TASK 7 – REPORT

SEAGRASSES, ASSOCIATED FAUNA AND FAUNAL HABITAT REQUIRMENTS DOCUMENTATION AND ANALYSIS

For the Project:

FRESHWATER FLOW AND ECOLOGICAL RELATIONSHIPS IN BISCAYNE BAY

SFWMD Contract No. C-15967-WO04-06

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EXECUTIVE SUMMARY

Task 7 was devoted to the examination of issues related to minimum flows and levels for Biscayne Bay beyond salinity, including the chemical and physical habitat requirements of seagrasses, and potential preferences for key faunal species (e.g., pink shrimp), and for specific combinations of physical conditions, chemical constituents and habitats.

The results of this work effort indicate that a key chemical parameter, the water column concentration of dissolved nutrients, primarily nitrogen species, may covary with increased or decreased freshwater flows into the western shoreline of Biscayne Bay. Actual loading rates for existing and proposed water deliveries to Central and South Central Biscayne Bay are being developed by Joe Boyer and Jack Meeder of Florida International University (pers. comm.), and monitoring conducted by Meeder and Boyer (2001) suggest that ammonia concentrations may have already exceed the levels at which they "may be toxic to some marine fish". Increases in nitrogen load may negatively impact total cover of all seagrasses along the western shoreline of the Bay. This is a potential issue due to the documented increase in drift algae and epiphytic microalgae and fauna that has negatively impacted seagrass meadows in other estuaries in Florida and elsewhere.

Research is ongoing on the detailed distribution of seagrasses within Biscayne Bay, but most of this work was unavailable for incorporation into this report. When available, this information should be used to prepare the most detailed current seagrass meadow distribution map, by species, or combination of seagrass species for the Bay. In particular the presence of shoal grass, shoal grass/wigeongrass mixed meadows, and monospecific wigeongrass would be key indicators of reduced salinity conditions. Modeling efforts to date provide some indication that predictions of future distributions of seagrass species could be made if the nutrient enrichment factor is accurately accounted for and added as a component of the model.

Finally, while the hypothesis that polyhaline shoal grass habitat is the most important juvenile pick shrimp habitat in Biscayne Bay has been proposed (J. Browder, pers. comm..) the ongoing research project to attempt to verify this hypothesis is not yet complete, and conclusions cannot be drawn at this time. In the absence of this study being complete, the recommendation is made here that a full gradient of low salinity to higher salinity seagrass habitats (i.e., inshore monospecific wigeongrass → wigeongrass/shoal grass mixed meadow → shoal grass dominant meadow → offshore turtle grass dominant meadow) be an

interim target indicator for establishment of minimum flows and levels for Central and South Central Biscayne Bay. For other parts of the Bay, the currently existing distribution and species combinations of seagrass should be maintained.

INTRODUCTION

BACKGROUND

As one component of the effort to develop an MFL rule for Biscayne Bay, in mid-2003 the South Florida Water Management District (SFWMD) issued a work order to undertake a study entitled, *Freshwater Flow and Ecological Relationships in Biscayne Bay*. SFWMD entered into an agreement (Contract No. C-15967-WO04-06) with the consultant team of Barnes, Ferland and Associates, Applied Technology Management, Inc. and Lewis Environmental Services, Inc. to conduct a variety of activities, which will assist the District in developing the MFL rule for Biscayne Bay.

A report was submitted to the SFWMD during January 2004, titled *Freshwater Flow and Ecological Relationships in Biscayne Bay*. This report included a summary of Tasks 1-6 efforts. The objectives for Tasks 1-6 were to develop an ecological basis in support of an MFL for Biscayne Bay and its sub-regions that focuses on salinity as the single determining factor for causing significant harm to the existing floral and faunal resources in the Bay. To utilize flora and fauna as an indicator of a level of harm in Biscayne Bay, as defined by Section 373.042 F.S., the District recognizes that chemical and physical water quality parameters and factors that may act synergistically with salinity in the Bay, must also be considered. Thus, the contract was amended to include additional work (Task 7).

PURPOSE AND SCOPE

Task 7 expands the focus of significant harm beyond salinity to include other parameters and factors that are directly or indirectly related to freshwater inflows to the Bay, which may cause or contribute to significant harm. Specifically, this task will include obtaining additional information and performing additional analyses to develop ecological correlations between seagrasses and associated fauna and faunal habitat requirements within the six (6) sub-regions of the Bay (Snake Creek/Oleta River, Northern Biscayne Bay, Miami River/Government Cut, Central Biscayne Bay, South-Central Biscayne Bay and Southern Biscayne Bay).

Task 7 involves an intensive review and documentation of all existing available information (including but not limited to published literature, unpublished literature, data, research, interviews with experts, field studies, mesocosm studies, etc.) to identify, analyze, and develop ecological correlations of the following:

1. Chemical and physical habitat life cycle requirements for:
    - turtle grass (*Thalassia testudinum*)
    - shoal grass (*Halodule wrightii*)
    - manatee grass (*Syringodium filiforme*)
    - paddle grass (*Halophila decipiens*)
    - Johnson's seagrass (*Halophila johnsonii*)
    - wigeongrass (*Ruppia maritima*);
2. Locations within Biscayne Bay where the six (6) seagrasses are currently typically found;
3. Habitat conditions/variables/requirements that make the above-referenced locations suitable for those seagrasses (i.e. chemical water quality parameters, physical water quality parameters, turbidity, light attenuation, sediment quality, sediment depth, natural and anthropogenic physical disturbances/processes, etc.);
4. Biological factors that can affect seagrasses (e.g., disease, competition, increased grazing by herbivores, shading, excessive growth of epiphytes);
5. Dynamics of competition and succession of seagrasses with other seagrasses; and
6. Fauna that prefer/rely on specific seagrasses, seagrass communities and seagrass habitats, at any stage of their life cycle.

CHEMICAL AND PHYSICAL HABITAT LIFE CYCLE REQUIREMENTS OF SEAGRASSES

GENERAL

Worldwide there are 59 species of seagrass (Green and Short 2003). Seven of these species occur in Biscayne Bay: turtle grass (*Thalassia testudinum*), shoal grass (*Halodule wrightii*), manatee grass (*Syringodium filiforme*), paddlegrass (*Halophila decipiens*), stargrass (*Halophila englemanii*), Johnson's seagrass (*Halophila johnsonii*), and wigeongrass (*Ruppia maritima*).

Macroalgae also occur mixed with seagrass meadows, and as dominant macrophytes where sediment thickness is too shallow (< 15 cm), water depths too great, or too turbid to transmit the required levels of light. Generally, macroalgae fall into three categories as to life-form: epiphytic on other plants, drift and attached. Epiphytic algae on seagrasses include small forms (i.e. diatoms, dinoflagellates, coralline red algae, filamentous green and bluegreen algae) that remain on leaves, and larger forms that break off and establish often as clumps of drift algae. Drift algae include *Acanthophora* spp., *Spyridia* spp., *Hypnea* spp., *Laurencia* spp. and G*racilaria* spp. Attached rhizophytic green algae are very common mixed with seagrasses in the Bay, or as stand-alone communities in hardbottom areas mixed with sponges and soft corals and include *Halimeda* spp., *Penicillus* spp., and *Caulerpa* spp.

Seagrass distribution consists of few meadows around the mouth of the Oleta River, large areas of shoal grass and manatee grass in the northern portion of the Bay transitioning to predominantly turtle grass in the southern three sub-regions. A band of shoal grass occurs along the western shore of the central and south-central portions of the Bay. Graduate level research in progress indicates that some wigeongrass occurs mixed with shoalgrass where the lowest salinities occur (D. Mir-Gonzalez, pers. comm.) along the western shoreline at the mouths of some of the canals. It appears that Johnson's seagrass, a species designated as "threatened" by the federal government, does not occur south of Virginia Key (NMFS, 2002), but the reasons for this pattern of spatial distribution are not known.

As noted by Alleman et al. (1995), many species of small shrimp (both caridian shrimp and juvenile penaeid shrimp), crabs, polycheate worms, clams, snails, echinoderms and fish (both adult and juvenile) are found in seagrass habitats. The commercially and recreationally important fish and shellfish species, pink

shrimp (*Farfantepenaeus duorarum*), stone crabs (*Menippe mercenaria*), spiny lobster (*Panulirus argus*) and spotted seatrout (*Cynoscion nebulosus*) are important components of the fauna of seagrass meadows.

LIMITING FACTORS ON SEAGRASS OCCURRENCE

Patterns of Zonation - Seagrass meadows are not uniform features of all marine waters. Their distribution around the Gulf of Mexico and Atlantic Coast shorelines indicates on a broad scale what the major limiting factors are. For the Gulf of Mexico, seagrasses are limited to protected waters in estuaries with good transparency, or in the semi-protected offshore waters of the Florida Keys, or the Florida Big Bend area, characterized as part of the zero energy shoreline (Moore, 1963, Zieman and Zieman 1989, Onuf et al. 2003, Creed et al. 2003). They become more sparse off Alabama and Mississippi, and essentially disappear offshore of Louisiana except for Chandeleur Sound (Eleuterius 1987) where water turbidity is high and salinities seasonally low. The exception is wigeongrass, which appears to be expanding its distribution in the inshore waters of Louisiana where is forms large monotypic stands (Eleuterius 1987). The normal mix of seagrasses that are less tolerant of brackish water appears again in the estuaries of south Texas (Onuf et al. 2003).

For the Atlantic Coast, a similar pattern exists, with seagrasses extending up the coast from the Florida Keys through Biscayne Bay to the Mosquito Lagoon north of Cape Canaveral only within protected inshore waters behind barrier islands, where the last remnants of beds of wigeongrass finally disappear and give way to freshwater macrophytes like *Vallisneria* in the St. Johns River (Creed et al. 2003; Lewis, personal observations). An apparent gap exists in Georgia and South Carolina, although wigeongrass may occur inshore and has not been studied, with a resumption of large seagrass beds behind the barrier islands of North Carolina (Koch and Orth 2003). This is the northernmost limit of shoalgrass, where it mixes with the southernmost extent of eelgrass, *Zostera marina*, a temperate species.

Obviously then, on a gross scale, water temperature, wave energy, water clarity and salinity limit the species composition and distribution of the seagrass species of interest.

On a more local scale, nearly all tropical-subtropical seagrass beds exhibit zonation (Zieman 1987). Zonation refers to a distribution of bands of species or mixes of species more or less parallel to the coastline in zones extended seaward. In many cases the zonation stops as all seagrass occurrence stops with increasing

depth. This has been interpreted as a result of light limitation, where the minimum amount of light necessary to produce positive production to offset respiration needs is exceeded, and seagrasses cannot survive at these depths (Phillips and Lewis 1983). In very clear waters this depth can be 40 meters (131 feet) (Phillips and Lewis 1983). In most estuarine or lagoonal ecosystems, however, this is rarely more than 2-3 meters.

Local zonation patterns in Florida have been described by Zieman (1987, pages 54-55) as follows:

"Numerous studies in Florida from Phillips (1960) and Strawn (1961) to Lewis et al. (1985), have illustrated patterns of zonation in the state's seagrass beds (Figure 1). Localized conditions create much variability, but patterns of zonation exhibit a definite commonality. The general pattern described below represents a typical gradient observed through clear waters in Florida. In turbid water areas, the same pattern could be expected, but the ranges of various species would be attenuated. A vertical zonation gradient that extends 10-15 m [in depth] in the Keys or the Dry Tortugas, would be compressed to 2 m or less in highly impacted estuaries such as Tampa Bay or northern Biscayne Bay, or even in certain basins in Florida Bay that are free of any human impact.

Halodule wrightii and *Ruppia maritima* L. generally are found in the shallowest water and appear to be more tolerant of exposure to air and direct sunlight than other species. The relatively high flexibility of their leaves allows these species to conform to the damp sediment surface during periods of exposure, thus minimizing leaf surfaces available for desiccation. *Thalassia testudinum* may be found in waters nearly as shallow. The shallowest *H. wrightii, R. maritima* and *T. testudinum* flats are commonly exposed by spring low tides, frequently with considerable leaf mortality.

All the species may be found, singly or mixed, throughout the range of 1-10 m: however, *T. testudinum* is unquestionably dominant in most areas, frequently forming extensive meadows that stretch for tens of kilometers. Although the absolute depth limit for this species is deeper, mature meadows of *Thalassia* are not found below 10-12 m (Figure 2). At this depth, *Syringodium filiforme* Kutzing replaces *Thalassia* and forms meadows down to the region of 15 m. Past the maximum depth for *Syringodium* development, *H. wrightii* often occurs, but rarely develops extensively at depth. Fine carpets of *Halophila* spp. can occur at depths greater than 40 m. In the shallow but highly turbid waters off the Shark River in southwest Florida, *Halophila* is sparse but widespread.

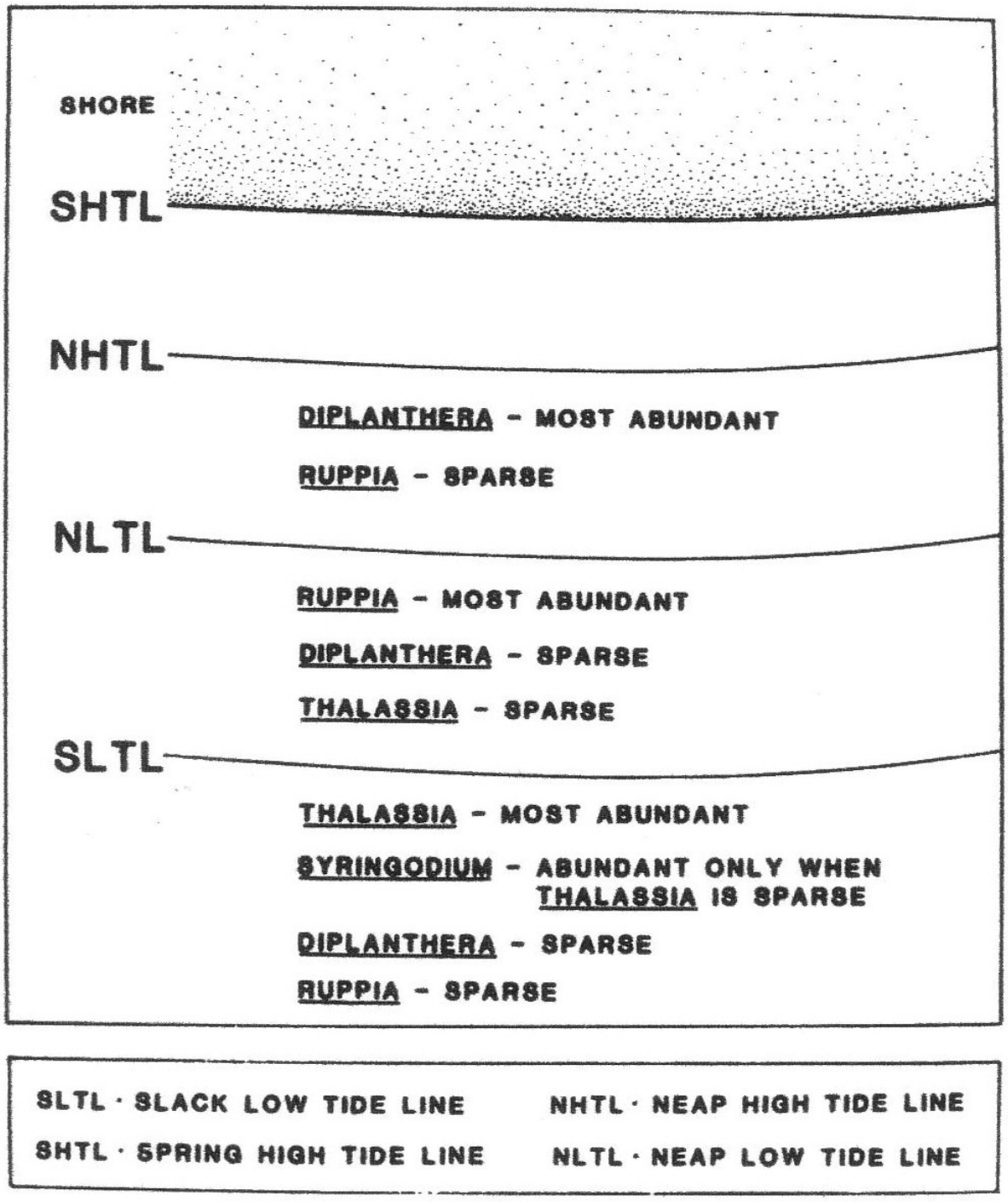

Figure 1. Zonation of seagrasses in an area of Tampa Bay. (From Phillips, 1960).

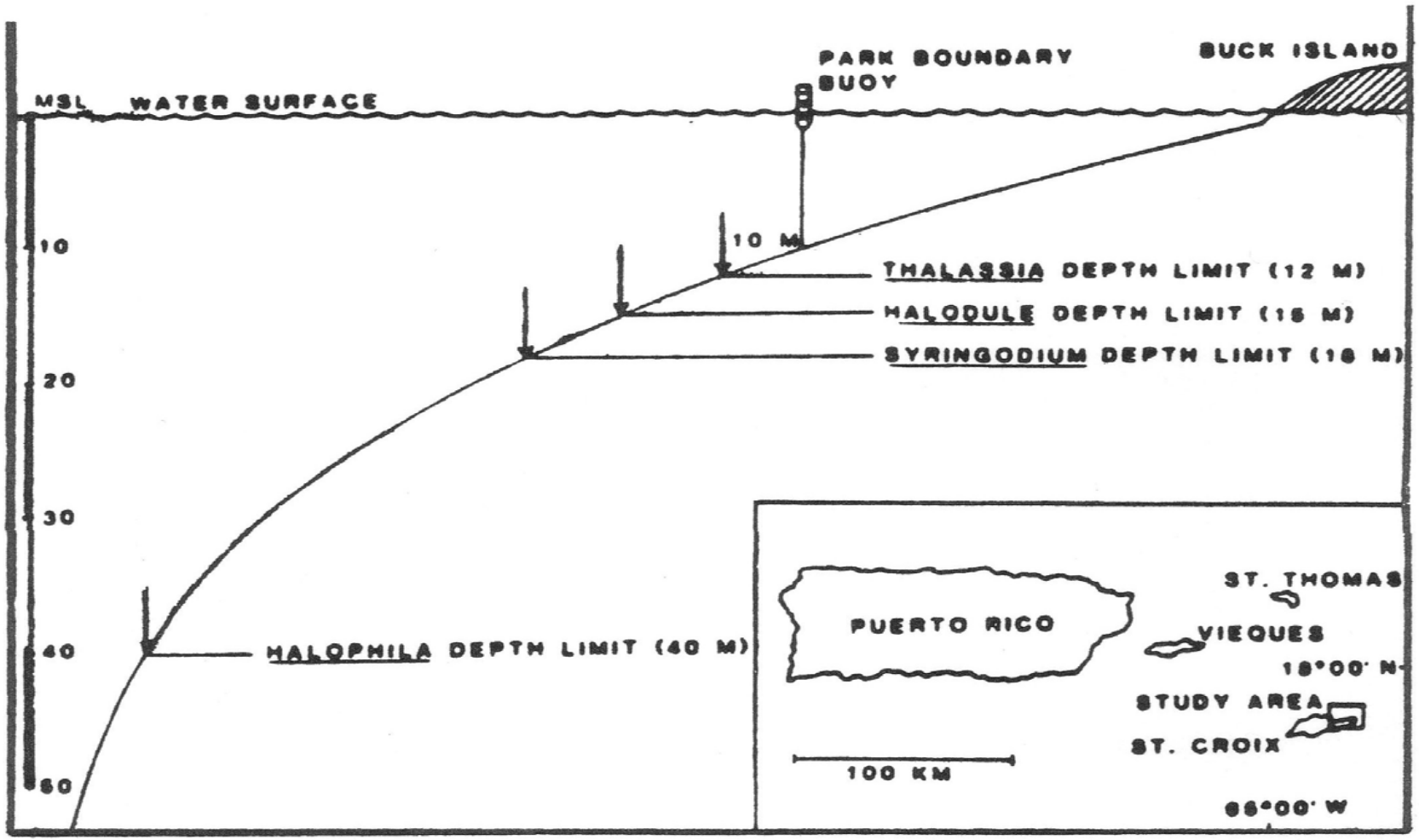

Figure 2. Maximum depth of occurrence of seagrass species at St. Croix. (From Phillips and Lewis, 1983).

Of all the major species *S. filiforme* often has the most discontinuous distribution. It is commonly found intermixed with *T. testudinum* in deeper portions of the latter's range, but is virtually never found in waters as shallow as *Thalassia* or *Halodule*, because its stiff leaves do not bend sufficiently to conform to the sediment surface and reduce desiccation. *Syringodium* leaves are quite brittle, compared to those of other species, and break easily if bent at a sharp angle. However, the plant seems well adapted to both turbulence and rapid water flow. In highly turbulent waters immediately behind the Florida Reef Tract, *Syringodium* is commonly found either in dense monospecific stands or intermixed with *Thalassia*. Both plants seem to possess sufficient leaf strength and root holding capacity to exist in this rigorous environment. Dense stands of *Syringodium* are also commonly found in deep channels throughout the Florida Keys, where tidal current velocities are very high, and high turbidity reduces the incident light."

Lateral zonation with decreasing depth can also extend up into tidal streams with freshwater flows that reduce the salinities to freshwater at various times. Such conditions are reported in the Caloosahatchee River (SFWMD 2003b). Figure 3 shows the distribution of shoal grass and tape grass (*Vallisneria americana*) in the Caloosahatchee River above Shell Point. While tape grass is able to tolerate some salinity increases, Doering et al. (1999) and Bortone and Turpin (2000) discuss the biology of tapegrass in the Caloosahatchee River note that it stop growing at 15 psu, and that generally growth was inversely related to salinity. The disjunct distribution of shoal grass and tape grass shown in Figure 3 is similar to that described by Estevez and Sprinkel (1999) for the tidal Suwannee River. In their study, a zone of wigeongrass existed downstream in the river, separated by a zone lacking any rooted macrophytes upstream, followed by a zone of tape grass. Tape grass was mixed with twelve other freshwater macrophytes within the study area extending 10 kilometers upstream from the mouth of the river.

Seagrass distribution and zonation specifically in Biscayne Bay is discussed in more detail in the next section of this report.

Salinity - As stated by Sklar and Browder (1998) "Although estuarine organisms are generally euryhaline, few occur throughout the entire range of salinities from full seawater strength to brackish. Rather, several communities of organisms occur within an estuary, each more abundantly within a relatively narrow part of the salinity spectra...As a result, shifts in isohalines cause major changes in community structure...Such shifts reduce or eliminate suitable living habitat by placing favorable salinities out of reach of animals that require bottom or shoreline habitat not found in the new location..."

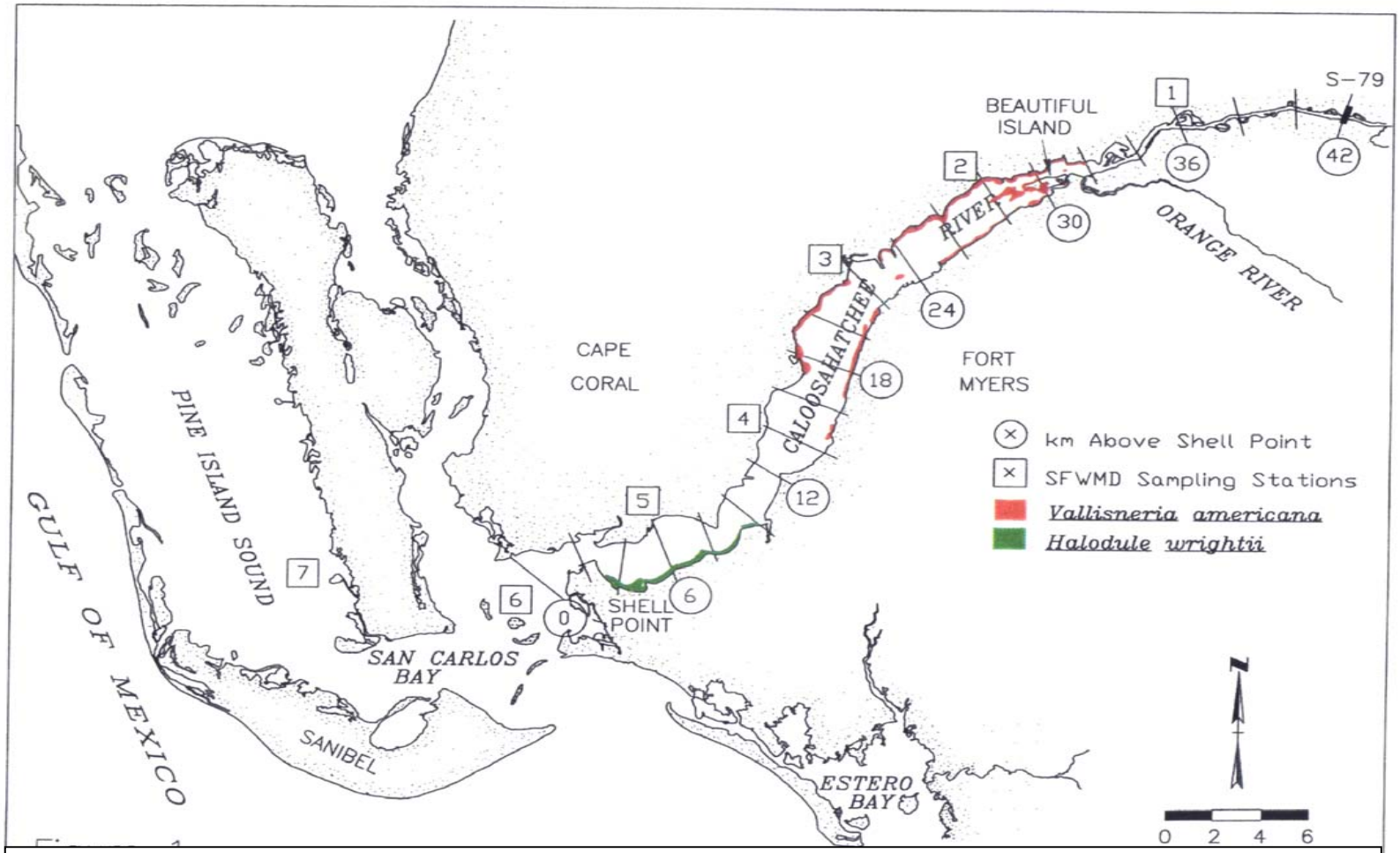

Figure 3 – Distribution of Shoal Grass and Tape Grass within the Caloosahatchee River

Fourqurean et al. (2003) have recently published the results of water quality sampling and seagrass occurrence by species and cover for 677 stations in Florida Bay sampled between March 1991 and March 2000. The sampling and correlations derived from the data were intended to attempt to construct "habitat requirements" models for the five species of seagrass encountered: turtle grass, manatee grass, shoal grass, paddle grass and wigeongrass. No stargrass was observed in the sampling, and Johnson's seagrass has never been observed south of Key Biscayne in Biscayne Bay, and therefore is not known to occur in Florida Bay. Eight seagrass community types, including no seagrass, were identified, and characterized as to the various sampled parameters.

For salinity, the results can be summarized as: "*Ruppia-Halodule* communities had the lowest and most variable salinity...while yearly mean salinity in the *H. decipiens*, *Syringodium filiforme*, and dense mixed-species beds was relatively high, with low variability. Intermediate yearly mean salinities and relatively high annual variability were found in the *Halodule wrightii*, dense *Thalassia*, and sparse *Thalassia* communities."

Tomasko et al. (2000) summarized the extent of knowledge about salinity impacts on the distribution and health of seagrasses as follows:

> "For seagrasses, a wealth of information exists on the ability of different species to adjust to fluctuations in salinity. Early work by Jagels (1973, 1983) showed that *T. testudinum*, which is perhaps the most common species in southwest Florida, has specialized cells in the leaf epidermal layer that help this species tolerate salinity stresses. In one of the earliest studies on salinity tolerances in seagrasses, McMillan and Moseley (1967) grew four species (collected in Texas) at salinities up to 74 ppt. The species they examined are all found in southwest Florida. Of the four species, *Syringodium filiforme* (manatee grass) showed the lowest upper salinity tolerance limit, as growth stopped when plants were exposed to salinities higher than 45 ppt. The three remaining species, *T. testudinum* (turtle grass), *Halodule wrightii* (shoal grass) and *Halophila englemanii* (star grass) all continued to grow at salinities up to and beyond 60 ppt.
>
> A study on a Caribbean population of turtle grass by Gessner (1971) showed that while cellular damage occurred at salinities twice that of natural seawater (ca. 70 ppt), no cellular damage occurred at salinities 20% higher than natural seawater (ca. 42 ppt). In another study from Texas, Pulich (1986) found that turtle grass

shoal grass, star grass and wigeongrass (*Ruppia maritima*, a common species in southwest Florida) all had physiological mechanisms that allowed them to tolerate salinities up to 47 ppt. Also in Texas, Tomasko and Dunton (1995) documented vigorous growth of shoal grass in the hypersaline Laguna Madre, where salinities ranged from 38 to 48 ppt.

In a study conducted in Tampa Bay, Lazar and Dawes (1991) examined the physiological ecology of two populations of wigeongrass from distinctly different locations. The first population was from Old Tampa Bay, an area where annual average salinities tend to be less than 22 ppt (Boler 1986 as illustrated by Estevez 1989). The second population was from Lower Tampa Bay, where salinities average between 27 and 30 ppt. Both populations showed broad and similar abilities to photosynthesize at the experimental salinities of 0, 17.5, and 35 ppt.

Additionally, a number of studies have examined responses to salinity variation for macroalgae in southwest Florida. For the common brown algae, *Sargassum filipendula*, plants collected from a variety of locations in the Tampa Bay area showed similar photosynthetic and respiratory rates when cultured at salinities of 15, 25 and 35 ppt, although plants did not do well when grown in salinities of 5 ppt (Dawes 1987; Dawes and Tomasko 1988; Dawes 1989). For the common red algae, *Gracilaria tikvahiae*, Lapointe et al. (1984) found no significant difference in growth rates for plants cultured for 2 weeks at 16 and 26 ppt even though the plants were originally grown at a salinity of 26 ppt. Koch and Lawrence (1987) found that for the related species *G. verrucosa*, plants originally cultured at 10 ppt salinity did not differ in their photosynthesis or respiratory rates when grown 20 days at either 10 or 32 ppt."

Tomasko and Hall (1999) examined density, biomass, productivity and epiphyte loads of short shoots of turtle grass at eight locations representing a gradient of freshwater influence in Charlotte Harbor for a period of one year with bimonthly sampling. Physical factors such as water temperature, salinity and light extinction coefficients were also measured. They concluded that the observed variations in productivity could be described by a linear combination of the independent variables water temperature and salinity. There was no clear relationship between water clarity and production. They cautioned that, "The use of field studies for estimating lower salinity tolerances of seagrasses might be

inappropriate for those systems where water clarity is positively associated with salinity."

Doering and Chamberlain (2000) in a more controlled experiment found that turtle grass collected from the Caloosahatchee Estuary, Florida, cultured at five constant salinities ((i.e., 6, 12, 18, 25, or 35 psu) and given unlimited light, showed blade biomass and elongation rates positively correlated with the test salinities, with increases as the salinity increased. Although turtle grass survived at 6 psu for the six weeks of the two experiments, growth parameters were negatively impacted at salinities between 6 and 12 psu. Table 1 from Doering and Chamberlain (2000, p. 95) summarizes the literature reports concerning salinity tolerance of turtle grass.

Table 1 - Summary of literature concerning the salinity tolerance of turtle grass, *Thalassia testudinum* (modified from Doering and Chamberlain 2000).

TOLERANCE	CONDITIONS	LOCATION	REFERENCE
Optimum 28-36 psu Lowest 10 psu	Field Observations	Florida	Phillips 1960
Upper limit 60 psu	Indoor tanks, outdoor ponds, 55 day exposure*	Texas	McMillan and Mosely 1967
Died at 5 psu Survival 10-30 psu Upper limit 60 psu	Laboratory, 2 week constant exposure	Texas	McMillan 1974
Optimum 17-36 psu Lowest 6 psu	Field observation	Florida	Zimmerman and Livingston 1976
Optimum 24-35 psu	Literature summary	Florida	Zieman and Zieman 1989 Zieman 1982
Occurrence 30-40 psu	Field observation	Texas	Adair et al. 1994
Survival 5-35 psu	Field observations	Florida	Tomasko and Hall 1999
Optimum 22-36 psu	Field observation	Florida	Doering and Chamberlain 2000
Survival 6-35 psu	Indoor tanks	Florida	Doering and Chamberlain 2000
Maximum growth rates 30-40 psu Lowest growth rates at 5 psu and 45 psu	Field observations and outdoor tanks	Biscayne Bay, Florida	Lirman and Cropper 2003
Occurrence 16-35, dense beds	Field	Florida Bay, Florida	Fourqurean et al. 2003
Occurrence 18-35, sparse beds	Field	Florida Bay, Florida	Fourqurean et al. 2003

Thus all the seagrasses, and mixed seagrass communities exhibited some apparent habitat requirements for specific mean salinities, and could tolerate various ranges of variation. A summary of the pertinent data from Fourqurean et al. (2003) describes the salinities found various seagrass communities within Florida Bay as follows: *Ruppia-Halodule* communities had the lowest and most

variable salinities (~ 9-23 psu), while yearly mean salinity in the *H. decipiens-Syringodium*-dense mixed beds was relatively high, with low variability (~ 32-35 psu). Intermediate yearly mean salinities and relatively high annual variability were reported for shoalgrass, dense turtle grass and sparse turtle grass areas (~11-36 psu).

As previously noted and discussed by URS Greiner Woodward Clyde (1999) for the St. Lucie Estuary, the work of Montague and Ley (1993) in Florida Bay indicated that mean salinity had a relatively poor correlation with seagrass biomass, but the standard deviation of salinity was the best predictor of seagrass biomass. Thus the degree and reoccurrence frequency of salinity variation may be more important as a limiting factor on seagrass meadow species composition, distribution and biomass.

Data that documents salinity values at selected locations in Biscayne Bay have been collected since 1993 by researchers at Florida International University pursuant to contracts with SFWMD and EPA/NOAA. Although the monitoring program also involves sites in Florida Bay, waters of the Keys to the Dry Tortugas and the SW Florida Shelf, data for the 35 sampling sites located within Biscayne Bay have been culled and are presented in Appendix A. Cursory analyses of salinity values indicate that the salinity of surface waters within Biscayne Bay have varied from lows of 6.21 ppt (near water surface) and 7.2 ppt (near sediment surface) at (Station 102-western side of the Bay near Black Point) on July 16, 2002 to a high of 42.3 ppt (also Station 102) on May 11, 1999. Salinity values of surface waters have averaged 32.54 ppt for all Biscayne Bay monitoring locations for the 1999-2002 period (Jones and Boyer, 2003).

From the perspective of MFLs, the goal to manage shoal grass and overlying salinities to maximize production of shrimp in a polyhaline zone (18-30 psu) along the west shore of Central and South-Central Biscayne Bay would appear to be best accomplished by lowering mean annual salinity and increasing variability in salinity to reestablish a range of salinities to support a *Ruppia-Halodule* gradient into deeper water where *Thalassia* would likely predominate.

Light - Dennison et al. (1993) summarized the data available at that time for habitat requirements for seagrasses, primarily focused on assessing water quality in Chesapeake Bay using submerged aquatic vegetation, both marine angiosperms and freshwater macrophytes, as indicators of water quality. Light requirements of sixteen species of seagrasses were included in their Table 1 (p. 88). That table is used here in a modified form (Table 2) to report their data for just species found in Biscayne Bay, and add additional data sources.

Table 2 - Maximal depth limit, light attenuation coefficient (Kd), and minimal light requirements of tropical and subtropical seagrasses (modified from Dennison et al. (1993).

SEAGRASS SPECIES	LOCATION	MAXIMAL DEPTH LIMIT (m)	Kd; LIGHT ATTENTUATION COEFFICIENT (m^{-1})	MINIMAL LIGHT REQUIREMENT (% OF SURFACE LIGHT)
Halodule wrightii	Florida	1.9	0.93	17.2
*Halophila decipiens**	St. Croix, USVI	40.0	0.08	4.4
*H. decipiens**	NW Cuba	24.3	0.10	8.8
*Halophila englemannii**	NW Cuba	14.4	0.10	23.7
*Ruppia maritima**	Brazil	0.7	3.57	8.2
*Syringodium filiforme**	NW Cuba	16.5	0.10	19.2
*S. filiforme**	Florida (US)	6.8	0.25	18.3
S. filiforme	Florida (US)	1.9	0.93	17.2
*Thalassia testudinum**	NW Cuba	14.5	0.10	23.5
*T. testudinum**	Puerto Rico	1.0-5.0	0.35-1.50	24.4 ± 4.2
*T. testudinum**	Florida (US)	7.5	0.25	15/3
*T. testudinum***	Tampa Bay, Florida (US)	1.63 – 2.01	0.80-0.94	22.5
Dense *T. testudinum****	Florida Bay, Florida (US)	0.8-2.6	N/A	20-70
Sparse *T. testudinum****	Florida Bay, Florida (US)	0.9-2.6	N/A	20-50
*T. testudinum*****	Charlotte Harbor, Florida (US)	0.5-0.7	2.39	23

* Originally from Duarte 1991
** Added data from Dixon and Leverone 1995, Dixon 2000
*** Added data from graphs in Fourqurean et al. (2003)
**** Added data from Tomasko and Hall (1999)

Although data that documents various water quality parameters at selected locations in Biscayne Bay have been collected since 1993 by researchers at Florida International University pursuant to contracts with SFWMD and EPA/NOAA, light is not one of the parameters that is monitored. Light extinction has

reportedly been monitored throughout Biscayne Bay by Miami-Dade DERM, but these data have not been provided to the team and therefore no analysis is available.

Temperature - Zieman (1982) notes that when discussing temperature limits in seagrasses, one must be careful to factor in "time of exposure", as, like most marine organisms, seagrasses can tolerate extreme short term temperature change, but not chronic temperature changes of a similar magnitude. Because seagrasses have buried rhizomes, the poor thermal conductivity of the sediments, as noted again by Zieman (1982), provides protection of acute temperature changes that would need to penetrate to the rhizome to cause lethal stress.

It is difficult to separate temperature change specifically from exposure and drying effects, particularly for species like shoalgrass, which as its name implies, is more common on shallow shoals, where it is exposed to air, and drying, exposure to the direct rays of the sun, and rapid temperature change all at the same time.

Zieman (1982) reports that the turtle grass grows best in Biscayne Bay at water temperatures of 20°C to 30°C, with an optimum of 28°C to 30°C. This species can tolerate short term exposure to high temperatures (33°C-35°C), but "growth rapidly falls off if this temperature is sustained." Leaves are killed by temperatures of 35°C-40°C, but rhizomes are apparently unaffected. These were acute tests of tolerance, but in a real world situation, the ΔT or change from ambient temperature is more important as tropical organisms often live close to their temperature tolerance in summer. Temperatures of 4°C above ambient were enough to kill all fauna and flora present within the thermal plume of the power plant at Turkey Point on Biscayne Bay before it was taken off line in a constructed radiator system of internal canals.

McMillan and Phillips (1979) discuss the chill tolerance of temperate and tropical species of seagrasses and note that differences in response to chilling temperatures of 2°C were demonstrated with populations of turtle grass, shoalgrass and manatee grass from shallow bays in the northern Gulf of Mexico withstanding these temperatures, but similar populations from the southern Gulf and Caribbean were severely damaged by the same temperatures.

Data that documents water temperatures at the water surface and at the sediment surface at selected locations in Biscayne Bay have been collected since 1993 by researchers at Florida International University pursuant to contracts with SFWMD and EPA/NOAA. Although the monitoring program also involves sites

in Florida Bay, waters of the Keys to the Dry Tortugas and the SW Florida Shelf, data for the 35 sampling sites located within Biscayne Bay have been culled and are presented in Appendix A. Cursory analyses of bottom temperatures indicate that temperatures have varied from a low of 13.52^{o} C (Station 111 – Featherbed Bank) on January 10, 2002 to a high of 33.1^{o} C (Station 122 – West Arsenicker) on July 11, 2000. Water temperatures at the sediment surface have averaged 25.90^{o} C for all Biscayne Bay monitoring locations for the 1999-2002 period (Jones and Boyer, 2003).

Nutrients - The nutrients, nitrogen and phosphorus, are essential to the growth of all plants, including seagrasses. Because seagrasses live in a system where a portion of the plant is in the water column, and a portion in the sediments (a true root system), there has been controversy about where these essential nutrients come from and in what form.

There is general agreement now that the primary source of nutrients for seagrasses is the sediment porewater (Fourqurean et al. 1992). Nitrogen is derived from three sources: 1) Microbially recycled nitrogen from organic matter, (e.g., seagrass leaf detritus); 2) Dissolved ammonium and nitrate in the water column; and, 3) Ammonium from the microbial fixation of dissolved nitrogen. Phosphorous is only available as soluble reactive phosphorous in the porewater. Phosphorous as phosphate is readily exchanged with porewater in silicious sediments, but carbonate sediments bind phosphate, thus producing circumstances where nitrogen may be the limiting nutrient in silicious sediments, and phosphate in carbonate sediments. Seagrasses may take up nutrients through their leaves (McRoy and Barsdate 1970), but due to the absolute requirement for high levels of light to support photosynthesis, seagrasses survive best in clear, nutrient-poor waters.

If nutrients are added to the water column, as with the discharge of urban runoff, farm animal and human wastes, and agriculture fertilizers, they are preferentially taken up faster, and used more efficiently by phytoplankton, benthic algae, and algal epiphytes on seagrasses. This process leads to competition for light, as these other plant groups capture the light before it reaches the seagrasses, and thus shades out and reduces the amount of light reaching seagrass leaves. This effect, similar to eutrophication in freshwater lakes, leads to the reduction in density and eventually loss of seagrass meadows and their replacement with an algal dominated benthic community (Zieman 1975, Orth and Moore 1983, Cambridge and McComb 1984, Lewis et al. 1985).

In only a few circumstances have efforts been successful in reducing anthropogenic sources of nutrient input and the return of seagrasses due to a

reduction in water column nutrients (Johansson and Lewis 1992, Lewis et. al 1999 – Tampa Bay, Florida).

Data that documents nutrient concentrations at selected locations in Biscayne Bay (Figure 4) have been collected since 1993 by researchers at Florida International University pursuant to contracts with SFWMD and EPA/NOAA. Although the monitoring program also involves sites in Florida Bay, waters of the Keys to the Dry Tortugas and the SW Florida Shelf, data for the 35 sampling sites located within Biscayne Bay have been culled and are presented in Appendix A.

Cursory analyses of nutrient values indicate that the concentration of Total Nitrogen at the monitoring stations within Biscayne Bay has varied from a low of 0.0426 (Station 112-Sands Cut eastern side of the Bay) on January 11, 2002 to a high of 1.3436 (Station 101 – Convoy Point) on August 14, 1997.

For Total Phosphorus, cursory analyses of data reported by Jones and Boyer (2003) indicate that the concentration of Total Phosphorus at the monitoring stations within Biscayne Bay has varied from a low of 0.0004 (Station 101-Convoy Point - western side of the Bay) on April 12, 2001 to a high of 0.0494 (Station 104 – Biscayne National Park – Marker C) on September 5, 2002.

In addition to Jones and Boyer (2003), water quality data for nearshore areas of Biscayne Bay from near the Cutler Channel to near Turkey Point were collected monthly from October 1998 through December 1999 and reported by Meeder and Boyer (2001). Among other things, the authors found that:

1) ...nutrient concentrations (especially ammonium), were elevated in the canals adjacent to the landfill,
2) The median value of un-ionized ammonia at Station 12 was 122 ppb which may be toxic to some marine fish", and
3) Their results indicate a strong correlation between elevated ammonium concentrations with:
    a. Decreased abundance of *Thalassia*
    b. Increased abundance of *Halodule* and fast growing algae species, and
    c. The increase in filamentous algal cover.

Due to its relevancy to the establishment of an MFL rule for Biscayne Bay, the entire report is attached as Appendix B. Included in Appendix B are Figures 21 – 27 from the Meeder and Boyer report which show Salinity, Ammonium, Ammonia, Nitrate, Phosphorus, Total Organic Carbon, and Total Organic Nitrogen concentrations within the area of interest follow.

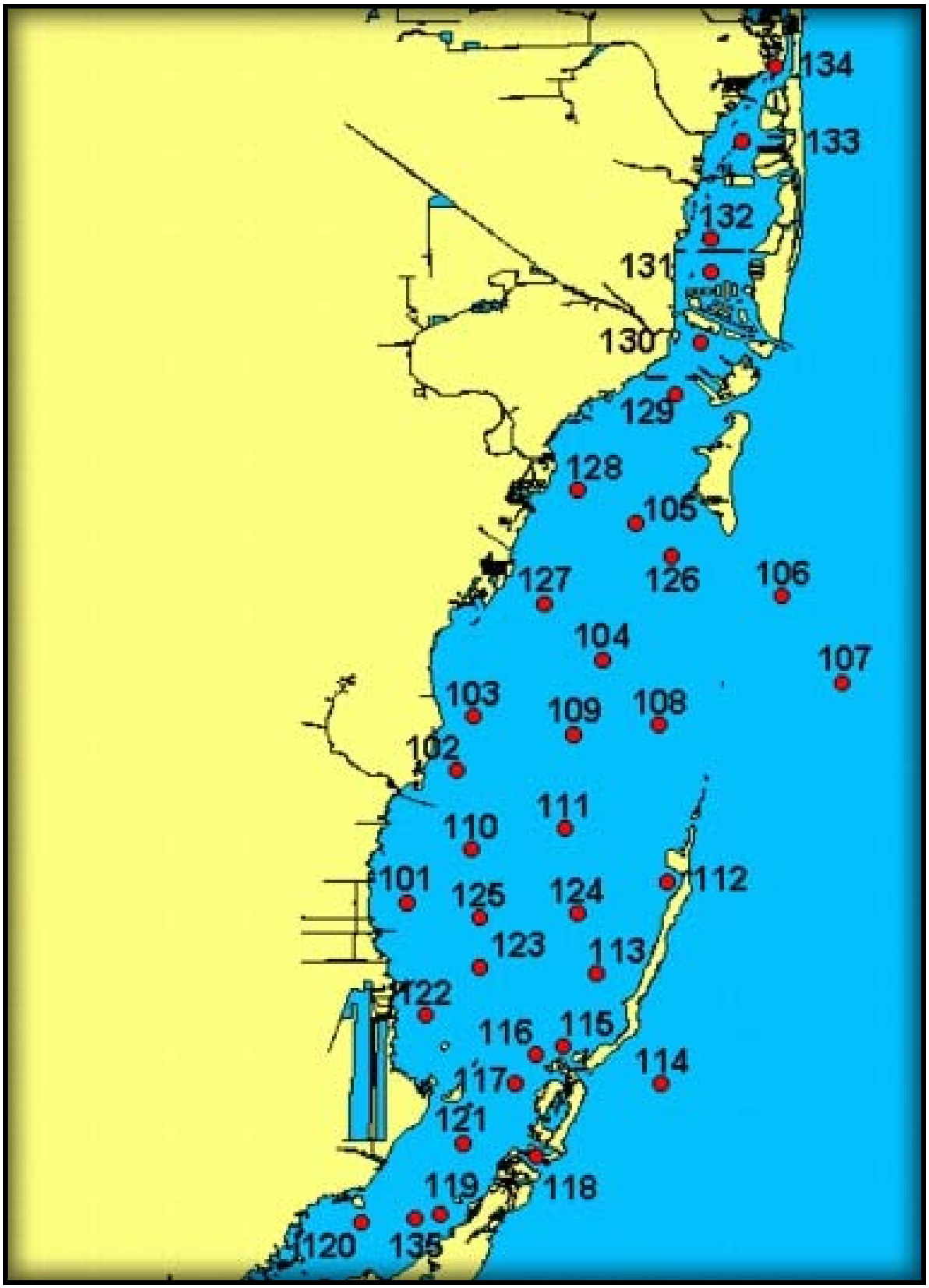

Figure 4
Location of Nutrient Sampling Sites in Biscayne Bay

Epiphytes - Miller-Myers and Virnstein (2000, p 115) note that "Seagrass blades provide structure for the attachment and growth of epiphytic algae, which are a major food sources for invertebrates (Virnstein 1987). Nutrient enrichment is suspected as a direct cause of increased epiphytic algae on seagrass blades (Silberstein et al. 1986; Tomasko and Lapointe 1991). Although epiphytes provide food for invertebrate communities, too much epiphytic coverage inhibits light availability for seagrass photosynthesis. Light attenuation by epiphytes has been found to be directly correlated with epiphytic biomass (Harden 1994). Reduction of available light creates stress on seagrass and is a probable cause of seagrass habitat decline (Backman and Barilotti 1976; Czerny and Dunton 1995; Cambridge and McComb 1984)."

Dawes (1987) reports that 66 species of algal epiphytes were recorded from seagrass blades collected in the Anclote Estuary on the west coast of Florida (Ballantine and Humm 1975) and 41 species from similar collections in the Indian River (Hall and Eiseman 1981). These algal epiphytes are predominantly filamentous bluegreens, but included some red algae and brown algae. Predominant species included *Calothrix crustacea, Cladophora vagabunda, Giffordia mitchellae, Polysiphonia binneyi, Cladosiphon occidentalis and Stictyosiphon simplex.*

Dawes (1987) states that "Information regarding faunal epiphytes of Florida or Gulf of Mexico seagrass communities is limited." Ninety metazoan species from 11 phyla were reported by Lewis and Hollingsworth (1982) as epiphytes on seagrass in Barbados. The dominant groups were nematodes, followed by copepods. Tomasko and Hall (1999) report that turtle grass blades collected during a study at eight stations in Charlotte Harbor, Florida, had epiphyte loads generally much higher than similar collections in Sarasota Bay and the Florida Keys, but that most of the epiphyte biomass was due to barnacles and limpets, not algae "which were rarely encountered."

Very little information is available regarding epiphytes growing on seagrasses in Biscayne Bay. No published reports were found which identified the epiphyte species present in Biscayne Bay. What little information has been collected on this subject was revealed during an interview with Danielle Mir-Gonzalez, Dr. Joe Boyer and Dr. Jack Meeder on February 18, 2004. During the discussion, a question was asked about observed epiphyte loads on seagrass at the 208 sites and four transects where seagrasses and water quality have been monitored by Mrs. Mir-Gonzalez for her masters degree research project. Data was collected for epiphyte loads on turtle grass only, and some heavy loading was observed on both turtle grass where it occurred and on shoal grass around the mouths of the drainage canals within the study area from Turkey Point to Black Point. Until these data are examined in more detail after the document is made available, it is

impossible to draw specific conclusions about the implications of these observations. However, because dense epiphytic growth has been associated with stress and death of seagrasses (Cambridge and McComb 1984), these observations and eventual data need to be carefully factored into decisions about minimum flows and levels for the Bay..

Sediment Types and Thickness - Zieman (1982) notes that "seagrasses grow in a wide variety of sediments from fine muds to coarse sands depending on the type of source material, the prevailing physical flow regime, and the density of seagrass blades." Sediment depth is more important than specific sediment type as once established, seagrasses modify the sediment by increasing the rate of sedimentation, and concentrating finer-sized particles and thus changing the sediment characteristics over time. Thus a description of the sediments in which a species of seagrass is found is not necessarily describing the sediment characteristics of the sediment into which the seagrass settled as a seed or seedling, or grew into by vegetative expansion.

Shoal grass can colonize thin sediments because of its shallow surficial root system. In zero current areas, sediments can be as thin as 1 cm (Lewis, personal observation). Turtle grass is more robust, needing 50 cm of depth for maximum growth and density, but is able to colonize areas as shallow as 7 cm (Zieman 1982).

No data which identify sediment depths in Biscayne Bay have been found.

Wave and Current Energy Regimes - Seagrass coverage, biomass and production are greatly influenced by prevailing current velocities and wave energy (Fonseca et al. 1983, Fonseca and Bell 1998, Zieman and Zieman 1989). Generally, the greater the exposure to wave energy or currents, the more patchy a seagrass bed becomes. Over the range of current velocities of 0 and 25cm/sec, percent cover by seagrasses drops to approximately 50% at the higher velocities. Above 40 cm/sec, the cover is further reduced to near zero. Fonseca et al. (2002) used a Relative Exposure Index (REI) model to predict the effects of bars on wave exposure influence in Tampa Bay, and this index has also been used to quantify declines in percent cover by seagrass as wave exposure increases. The barrier islands and shallow reefs which form the eastern boundary of Biscayne Bay protect much of the Bay, reduce wave action and allow persistence of seagrasses in open water areas.

Longshore sand bars serve a similar function, and are a commonly reported feature in seagrass meadows in Tampa Bay, Florida (Lewis et al. 1985, Lewis and Estevez 1988). Seagrass bars appear to have changed and declined over time,

but no actual study of their historical and current distribution, sediment composition or topography/bathymetry has been made. These features are theorized to be important in the long term persistence of seagrass meadows in which they are found (Lewis 2002).

Recent documented improvements to water quality in Tampa bay have increased water transparency through the removal of nutrients and associated micro- and macroalgal blooms (Johansson and Lewis 1992; Lewis et al. 1999). However, the most recent seagrass mapping efforts indicate that projected increases in total area of seagrass within that bay have stalled at around 10,500 ha (26,000 acres). The predictions and goals for seagrass recovery from the Tampa Bay Estuary Program target of 15,000 ha (37,000 acres) therefore also appear to be difficult to meet. The most likely explanation for this appears to be related to natural and man-made wave energy (i.e., large boat wakes) impacting seagrass meadows in the Bay (Lewis 2002) and has recently been substantially supported by the research of Fonseca and Bell (1998), Robbins et al (2002) and Fonseca et al. (2002).

Given the varying depths and wide variation in the extent of connections between the Bay and the Atlantic Ocean/Straits of Florida, there are unquestionably highly variable wave and current conditions in different areas of Biscayne Bay. No data have been obtained, however, that would provide insight as to the extent to which existing currents may be influencing the presence, absence and/or distribution of seagrasses in Biscayne Bay.

Competition, Grazing, and Disease - Competition between seagrass species is discussed along with succession in seagrasses by Zieman (1982) and Zieman and Zieman (1989). They describe the "blowout", or natural localized disturbance in a turtle grass dominated seagrass bed in which a current moving in a specific direction causes a hole to form and seagrasses to be removed, leaving a crescent shaped bare area. These are common features in less protected seagrass meadows, and have a well documented series of recovery stages that start with rhizophytic algae like *Penicillus* and *Halimeda* initially colonizing the bare substrate, followed over a period of years by shoal grass and manatee grass, and eventually recovery back to turtle grass. A similar process is reported for recovery of prop scars caused by boats in shallow water (Zieman 1976). Thus shoalgrass has been referred to as an early successional or pioneer species due to its ability to rapidly colonize bare sand areas. It appears, however, to be out competed by turtle grass over a period of years. The exact adaptations of turtle grass that allow it to do this are not known. It is a more robust species, but grows more slowly. Its size alone may allow it to win out in the long run as long as limiting conditions of advantage to shoal grass, such as its tolerance of lower and more variable salinities do not exist. If they do, shoal grass will persist, and turtle

grass cannot replace it. Manatee grass can also colonize and grow faster than turtle grass in blowouts, but is less common as an early pioneer species.

Biological disturbance of seagrass beds by a wide variety of organisms has been documented (Fonseca et al. 1998). These include overgrazing by herbivore such as sea urchins (Camp et al. 1973), excessive algal and faunal epiphyte loading (Sand-Jensen 1977), burrowing shrimp (Suchanek 1983), epibenthic macrofauna (Valentine and Heck 1990), burrowing and feeding stingrays (Orth 1975 , Fonseca 1994) and light shading by blooms of both phytoplankton and drift algae (Lewis et al. 1985, Johanssen and Lewis 1992, den Hartog 1994).

Diseases have been reported in seagrasses, sometimes producing very devastating losses. The "wasting disease" of the 1930's wiped out much of the eelgrass (*Zostera marina*) in Europe and portions of North America (Short et al. 1988). Similarly, the loss of turtle grass in Florida Bay has been attributed to the pathogenic form of a marine slime mold, *Labyrinthula zosterae* (Robblee et al. 1991), as one of the contributing factors.

No data have been found that would document the extent to which competition, grazing and/or disease are having an impact on the presence, absence and/or spatial distribution of seagrasses in Biscayne Bay.

SUMMARY OF LIMITING FACTORS ON SEAGRASS OCCURRENCE BY SPECIES

Thalassia testudinum **-** Turtle grass is a "climax species" which does not colonize bare substrates quickly. It is robust in size and requires a minimum of 15 cm of sediment depth to exist. It grows best where the sediment depth is 50 cm or greater. It tolerates a wide range of salinities, from 6-60 psu, with an optimum between 25-35 psu (Table 1). For these reasons, and perhaps others, it does not tolerate wide ranges in salinity over short periods (i.e. 24 hours). It is therefore not found or is minimally present at the mouths of many of the canals that drain into Biscayne Bay due to episodic freshwater discharges that cause wide swings in salinity. Its maximum depth of growth in clear oligotrophic waters is approximately 7.5 meters in Florida (Table 2), and 12 m in St. Croix, USVI (Figure 2).

Syringodium filiforme **-** Manatee grass has less tolerance for wide swings in salinity than turtle grass. The data from McMillan and Moseley (1967) and Fourqurean et al. (2003) would indicate that it has a narrow tolerance in the range of 25-60 psu, with an optimum at 25-45 psu, and is not very tolerant of

wide swings in salinity. It can survive in depths greater than turtle grass, occurring at 6.8 m in Florida, 16.5 m in Cuba, and 18 m in St. Croix (Table 2 and Figure 2).

Halodule wrightii - Shoal grass has a greater tolerance for salinity variation than either turtle grass or manatee grass. The data from McMillan and Moseley (1967) and Fourqurean et al. (2003) would indicate that it has a wide tolerance in the range of 5-70 psu, with an optimum at 35 psu, and is tolerant of wide swings in salinity. It can survive in depths greater than turtle grass, occurring 15 m in St. Croix (Figure 2), but in Florida is normally found in depths less than 2 meters, often less than 0.5 m on shallow exposed flats or shoals. This has been attributed to the high flexibility of its leaves that allow them to conform to the damp sediment surface when exposed on low tides in shallow water, and thus avoid some of the damages from exposure and desiccation. It is referred to as the "pioneer species" and often volunteers from seeds or runners onto bare sands. It grows much faster than other seagrasses, but does not compete well with slower growing more robust species like turtle grass, if they can survive in the same environment. If they cannot, it will persist, and often mix with wigeongrass seasonally in lower salinity, shallow waters. It will, however, not tolerate freshwater for significant periods (more than 24-48 hours).

Ruppia maritima - Wigeongrass is the most tolerant of all the seagrasses to ranges in salinity. Kantrud (1991) reports a range of tolerance from 0-350 psu. It can coexist with shoalgrass in Florida Bay (Tabb et al. 1962b, Fourqurean et al. 2003). It becomes dominant when salinities fall to about 1.4 psu. It is replaced by *Chara* when salinities fall to 0.5-1.0 psu. It cannot compete well with shoal grass or turtle grass in deeper more saline waters, but is well adapted for the two most stressful ends of the salinity range for seagrasses, freshwater and hypersaline waters. It is generally limited to very shallow (<0.5 m) waters where is tolerates exposure well on low tides due to the same flexible leaf adaptation of shoal grass.

Halophila decipiens - Paddle grass has had relatively little work done on its limiting factors. It appears to do best in marine salinities of low variability and in deep waters, and may be the dominant seagrass in the deeper waters of the Gulf of Mexico (Fonseca, personal communication). It has been reported to grow to 30 m depth in the Caribbean and Gulf of Mexico (Busby and Virnstein 1993), and 40 m at St. Croix, USVI, by Phillips and Lewis (1983) (Figure 2). It has also been observed mixed with the other two species of *Halophila* in very shallow water in the Indian River Lagoon (personal observation, R. Lewis), mixed with *H. johnsonii* in Lake Worth Lagoon (personal observation, G. Braun), and in tannin stained wasters mixed with *H. johnsonii* in the Ft. Lauderdale area (Dies 2000).

Halophila englemannii - Like paddle grass, star grass has received little focused attention on limiting factors. It has a wide range of tolerance for water depths, being found in shallow to deep waters (2 m – 30 m). The only work on salinity tolerance was largely inconclusive due to the death of most of the transplanted materials (McMillan and Moseley 1967). They concluded that "its salinity tolerance was greater than that of *Syringodium*, but it was not possible to compare with the other three species" [turtle grass, shoal grass and wigeongrass].

Halophila johnsonii - Johnson's seagrass (*Halophila johnsonii*) is a small, rare aquatic plant that is known only to occur along the east and southeast coast of Florida from Brevard County to Biscayne Bay. It was designated as a threatened species in 1998 pursuant to the federal Endangered Species Act, as amended. It is not currently protected under State of Florida statutes, rules or regulations, although Section 581.185 F.S. 'provides for the automatic listing as a state endangered species of "all species determined to be endangered or threatened pursuant to the federal ESA of 1973" (NMFS 2002). A federal recovery plan for this species has been developed and was approved by the National Martine Fisheries Service, National Oceanic and Atmospheric Administration in 2002. Critical Habitat was designated for this species in ten distinct areas. The largest of these areas encompasses a significant portion of Biscayne Bay, and includes portions of the Snake Creek/Oleta River, Northern Biscayne Bay and Miami Rover/Government Cut Sub-regions.

Johnson's seagrass is one of twelve species of *Halophila*, a genus that is distributed in warm-temperate and tropical waters worldwide (NMFS 2002). It is one of three *Halophila* species that is documented to occur in Biscayne Bay, and can be differentiated from the other species by having pairs of 2-5 cm long, linear leaves that extend upward from a rooted rhizome that is located just below the sediment surface. Johnson's seagrass somewhat resembles paddle grass, *Halophila decipiens*, with which it will occur (pers. observations) and was relatively recently recognized as a separate species. It is the first marine plant to be listed pursuant to the Endangered Species Act, and because it is a recent addition and because its Recovery Plan was very recently developed, information concerning the abundance and distribution of this species is very up-to-date.

Johnson's seagrass has been documented to occur only on the east coast of Florida, being found in coastal lagoons along approximately 200 km of coastline from approximately Sebastian Inlet (Brevard County) to Biscayne Bay, including areas of the Indian River Lagoon, Lake Worth Lagoon and Biscayne Bay. Based upon this limited range, Johnson's is thought to be the most spatially-restricted

species of seagrass in the world (NMFS 2002). The largest known areas of Johnson's seagrass within this range are in the Indian River Lagoon and Lake Worth.

Within this range, Johnson's seagrass grows in a patchy, non-contiguous distribution in water depths from within the intertidal zone to maximum depths of approximately 3 m (Kenworthy, 1993; Virnstein et. al., 1997). Due to its presence in very shallow waters, and even being exposed at extreme low tides, it is thought to be tolerant of moderate desiccation and wide temperature ranges. Although it is reported to be more commonly found in monotyic patches, it may also be present with shoal grass, manatee grass and paddle grass.

Relatively little work has been done to identify the salinity, temperature and/or water quality preferences and tolerances of Johnson's seagrass. Research to date, however suggests that Johnson's seagrass survives in at least salinities from 15-43 ppt, and that its range may be greater (NMFS, 2002). It also grows in areas of varying water clarity, from comparatively turbid areas to clear-water areas near inlets, where currents are fast and strong.

In spite of its comparatively small size, studies indicate that Johnson's seagrass serves a food source for other organisms, as a refuge, habitat and nursery for wildlife species, assists in sediment stabilization and therefore reduces turbidity and erosion.

The federal recovery team identified five criteria on which to consider designation of critical habitat: 1) populations that have been documented to persist for 10 or more years; 2) persistent flowering populations; 3) the northern and southern limits of the species range; 4) unique genetic diversity; and 5) a documented high abundance compared to other areas in the species' range. Based on these criteria, ten areas, ranging in size from approximately 2 acres to 18, 757 acres have been designated as critical habitat for Johnson's seagrass. The largest of these, and the only one to occur within the MFL project area is the Biscayne Bay area, which accounts for 83% of the designated critical habitat for this species.

The recovery plan identifies a number of actions that are to be undertaken in order to meet the recovery goal of delisting the species after assuring its persistence throughout its range. Although implementation of many of the identified actions will have no effect on MFL rule development, specific activities that are worth monitoring include:

- Locations within Biscayne Bay where the seven species of seagrass are currently typically found.

- Habitat conditions/variables/requirements that make the above referenced locations suitable for those seagrasses.

- Biological factors that can affect seagrasses.

- Dynamics of competition and succession of seagrasses with other seagrasses.

- Fauna that prefer/rely on specific seagrasses, seagrass communities and seagrass habitats.

SITE SPECIFIC INFORMATION REGARDING SEAGRASSES IN BISCAYNE BAY

EXISTING SEAGRASS MAPS

There have been no recent comprehensive mapping efforts that document the presence, absence, abundance and/or species distribution for seagrasses within Biscayne Bay (in its entirety) and there is no field effort component to map seagrasses as part of this contract. However, there is an historic database of seagrass cover in the entire Bay, and seagrass information has been developed with varying levels of detail at numerous specific areas within the Bay. Therefore, the information provided in this section and in the appendices is a narrative and graphic summary of the cumulative results of various previous seagrass analyses. The sources of these data, listed and described in order of increasing relevancy to the establishment of an MFL rule for Biscayne Bay include:

Seagrass descriptions found in *Biscayne Bay; Environmental History and Annotated Bibliography*

Seagrass information presented by Dial-Cordy and Associates as contained in their environmental assessment regarding potential modifications at the Port of Miami

Mapping efforts conducted in association with the listing of Johnson's seagrass (*Halophila johnsonii*) as a threatened species

Seagrass information contained in the *Biscayne Bay Aquatic Preserve Management Plan*

Results of analyses of aerial photography to determine benthic conditions in Biscayne Bay by the Florida Fish and Wildlife Conservation Commission's Marine Research Institute

Results of seagrass mapping and/or monitoring conducted by the Miami-Dade County Department of Environmental Resources Management (DERM)

Seagrass mapping currently being conducted by researchers at Florida International University

Seagrass descriptions found in Biscayne Bay; Environmental History and Annotated Bibliography.

In July 2000, the National Oceanic and Atmospheric Administration released Technical Memorandum NOS NCCOS CCMA #145, an Environmental History and Annotated Bibliography of Biscayne Bay (Cantillo, et. al. 2000). While not very specific regarding seagrasses, information is provided in this document concerning the species of seagrass present and the threats to the continued health of seagrasses in the Bay (Appendix C), the most pertinent of which is:

"The major vascular plants found in Biscayne Bay are *Thalassia testudinum*, (turtle grass), *Halodule wrightii* (Cuban shoal grass), and *Syringodium filiforme* (manatee grass). *Thalassia* is dominant in many areas of the Bay and *Thalassia* beds support a rich animal community (Zieman, 1982). … There is a progression of these seagrasses with distance from shore in non-disturbed areas of Biscayne Bay. Intertidally, there is a band of *Halodule*. From sublittoral, there is a band of *Thalassia* interspersed with *Halodule* and *Syringodium*. This thins out into green alga and a sand bottom towards mid-Bay. Seagrasses in the northern part of the Bay have been heavily impacted by man's activities and the normal *Thalassia* community is not observed north of the Port of Miami."

Relevancy of this information to the establishment of MFL for Biscayne Bay: Although the compilation of the data is relatively recent, there was no field work associated with the development of this report. This fact, together with the lack of detailed spatial distribution of individual seagrass species gives this document weak applicability to the MFL project.

Seagrass information presented by Dial-Cordy and Associates as contained in their environmental assessment regarding proposed modifications at the Miami Harbor.

In March 2003, Dial Cordy and Associates, Inc. published a Final Report regarding their Environmental Baseline Study that was conducted for the U.S. Army Corps of Engineers concerning potential modifications at Miami Harbor. This General Reevaluation Report included the Miami River/Government Cut sub-region of Biscayne Bay and eastward of Government Cut into the Atlantic Ocean. The presence/absence, spatial distribution and comparative density of each species of seagrass were mapped along 35 transects within the area of potential impact. A figure showing the location of the transects and tables showing the frequency of occurrence, abundance and density of each species of seagrass found within the project area is attached in Appendix D.

A summary of this seagrass mapping effort is that:

"Marine seagrass species observed within the study area includes *Halodule wrightii*, *Halophila decipiens*, *Syringodium filiforme* and *Thalassia testudinum*. Of the 35 transects surveyed, marine seagrasses species were observed at 25 transects…. Seagrass occurrence in these areas consisted of mixed Submerged Aquatic Vegetation (SAV) with *H. decipiens* and *H. wrightii*, mixed SAV with *H. wrightii*, and *T. testudinum*, mixed SAV of *T. testudinum* and *S. filiforme*, mixed beds of all species and, monospecific beds of *T. testudinum* , and monospecific beds of *H. decipiens*. No *H. johnsonii* was observed while surveying the 35 transects."

Relevancy of this information to the establishment of MFL for Biscayne Bay: With field surveys having been conducted relatively recently and being quite detailed, these data have a high degree of applicability to the MFL project. However, their usefulness is severely limited by the relatively small spatial extent of the assessment.

Mapping efforts conducted in association with the listing of Johnson's seagrass (*Halophila johnsonii*) as a threatened species.

As described previously, Johnson's seagrass was designated as a threatened species in 1998 by the federal government. The listing was made only after substantial field surveys, literature reviews and other analyses that determined the species' known range with a high level degree of certainty. The documented spatial distribution of this diminutive seagrass is shown in Appendix E. It is notable that Critical Habitat was designated for this species in ten distinct areas and that the largest of these areas encompasses a significant portion of Biscayne Bay, and includes portions of the Snake Creek/Oleta River, Northern Biscayne Bay and Miami River/Government Cut Sub-regions (Figure 5).

Figure 6, attached, which was provided by DERM shows the known distribution of *H. johnsonii* within its range in Biscayne Bay. Light penetration likely limits the deep water extent of the distribution of this species, which is known to occur in extremely shallow waters, often in beds mixed with other seagrass species.

Relevancy of this information to the establishment of MFL for Biscayne Bay: With field surveys having been conducted relatively recently and a portion of the critical habitat being within the Snake Creek/Oleta River, Northern Biscayne Bay and Miami River/Government Cut sub-regions, the presence of this species has an intermediate degree of relevancy to the MFL project. However, this relevancy

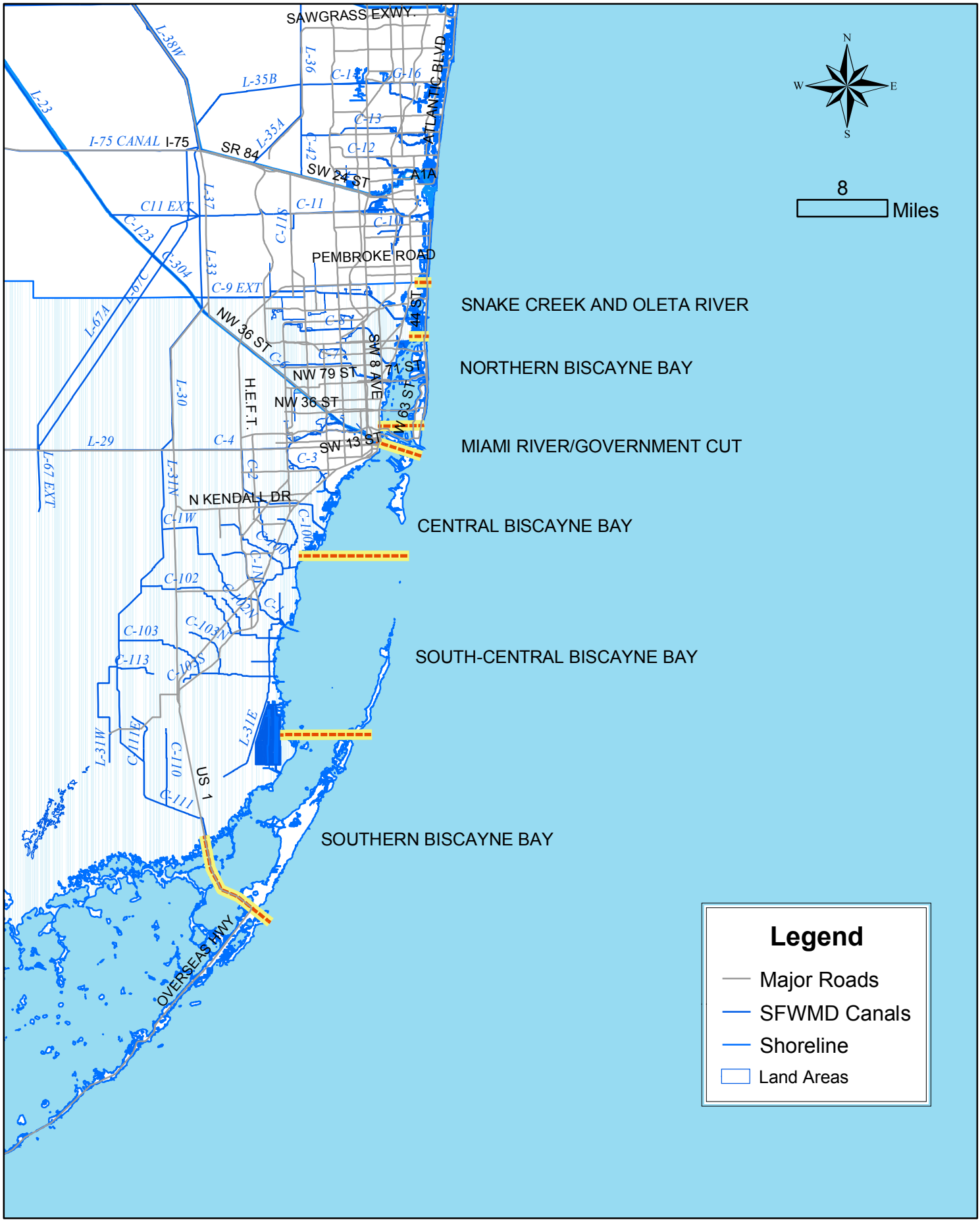

Figure 5
Biscayne Bay Approximate Sub-Regions

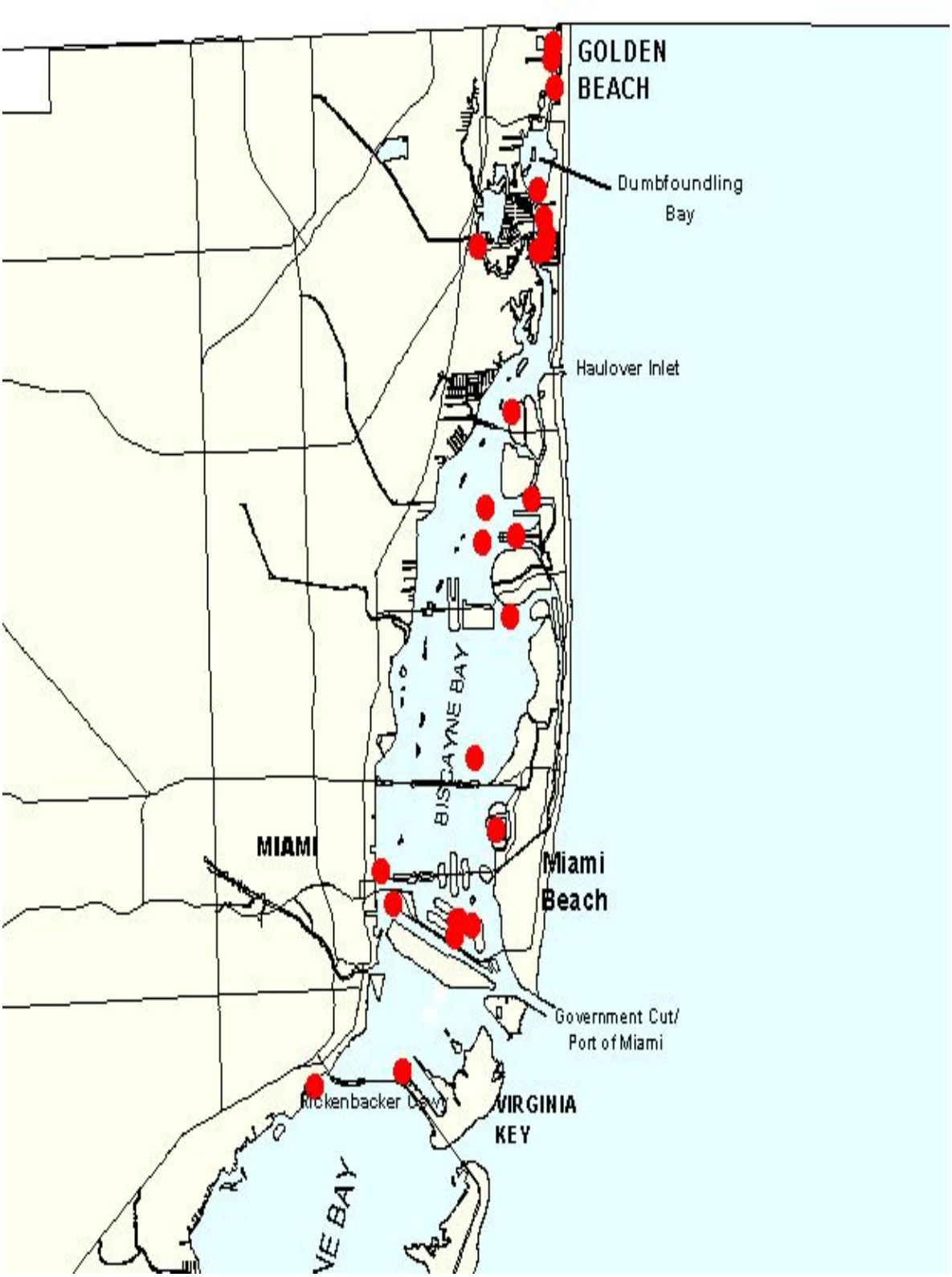

Figure 6
Distribution of Johnson Seagrass Within Biscayne Bay

is further limited due to the species' documented tolerance of high variable salinity conditions (i.e., 15-43 ppt).

Seagrass information contained in the Biscayne Bay Aquatic Preserve Management Plan

During the mid 1980s, the Metro-Dade Department of Environmental Resources Management (DERM) developed a draft Aquatic Preserve Management Plan for Biscayne Bay. A portion of Part III – Living Resources describes the benthic communities in different areas of the Bay, and includes descriptions and figures that show the spatial distribution of seagrasses (Appendix F). Notable elements of the Plan include:

"Turtle grass predominates in central and south Bay,… Turtle grass growth is generally most dense in areas where there is more than six inches of sand, mud, or muddy sand sediment and where light penetration is not a limiting factor. … the Central Aquatic Preserve Management Area is covered with 16 percent turtle grass, 47 percent mixed grasses, six percent shoal grass, and three percent algae mixed with seagrass. …In the Northern Aquatic Preserve Management Area manatee and shoal grasses predominate wherever light penetration is sufficient to permit plant growth. … While manatee and shoal grasses are the dominant benthic plants in the Northern Aquatic Preserve Management Area, they comprise slightly less than 24 percent of the total Bay bottom in that area. …the most extensive and noteworthy grass-algal beds in north Bay are located in Unit III north of the Julia Tuttle Causeway, and on both sides of the Intracoastal Waterway south of Little River Adjacent to Bay Point."

Relevancy of this information to the establishment of MFL for Biscayne Bay: Considering the absence of specificity with regard to the spatial distribution of individual seagrass species coupled with the age of these data (i.e., field surveys conducted approximately 20 years ago), these data have a relatively low degree of relevancy to the MFL project.

Results of analyses of aerial photography to determine benthic conditions in Biscayne Bay by the Florida Fish and Wildlife Conservation Commission's Marine Research Institute

Figures 7 - 12 show the result of benthic community mapping that has been completed for all of Biscayne Bay. These data were obtained from the FWC's Marine Research Institute and are graphic depictions of an extensive GIS-based database. Unfortunately, because this work is primarily the result of analyses of aerial photography (coupled with limited ground-truthing) no distinction can be

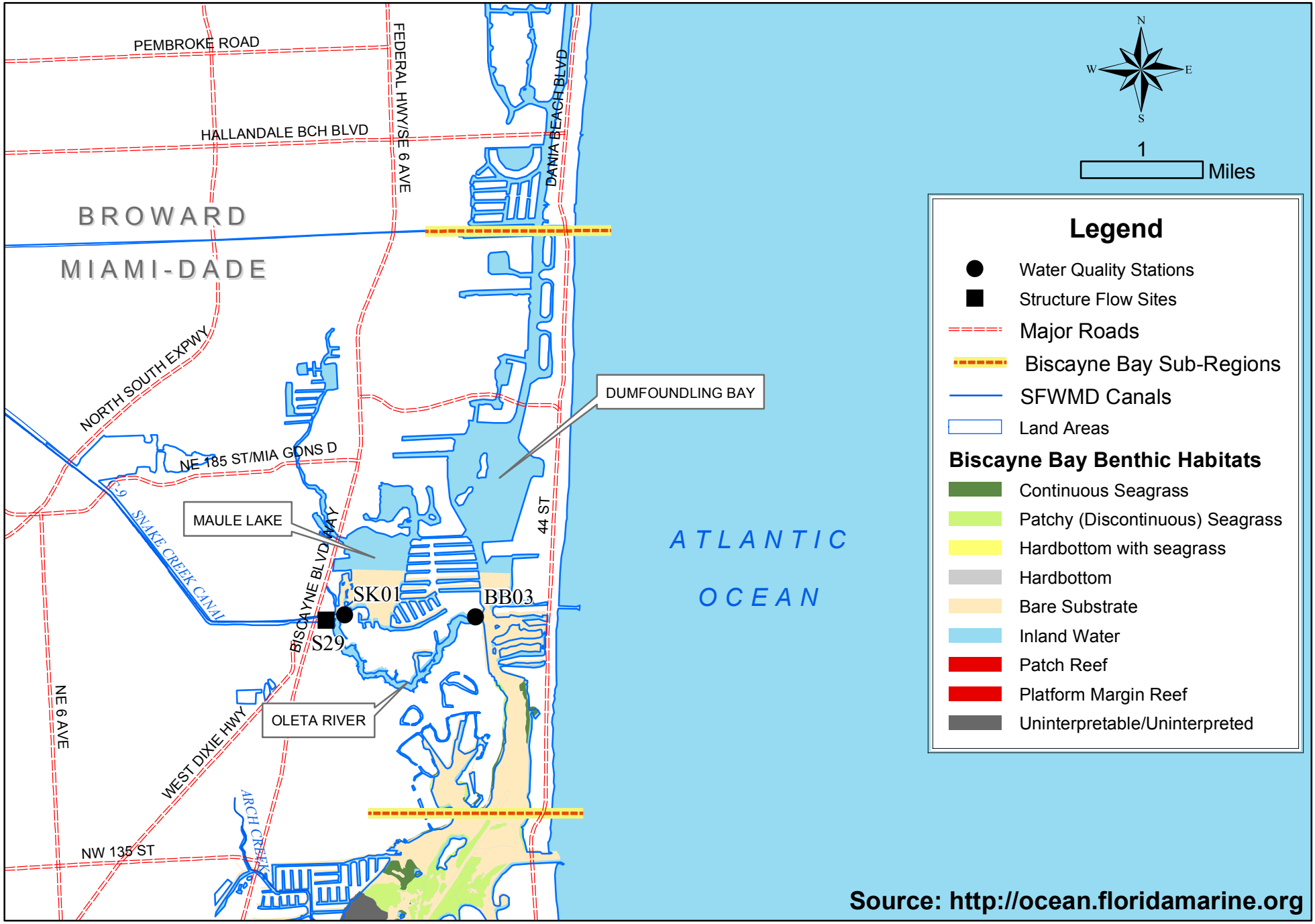

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Figure 7
Approximate Snake Creek/Oleta River Sub-Region

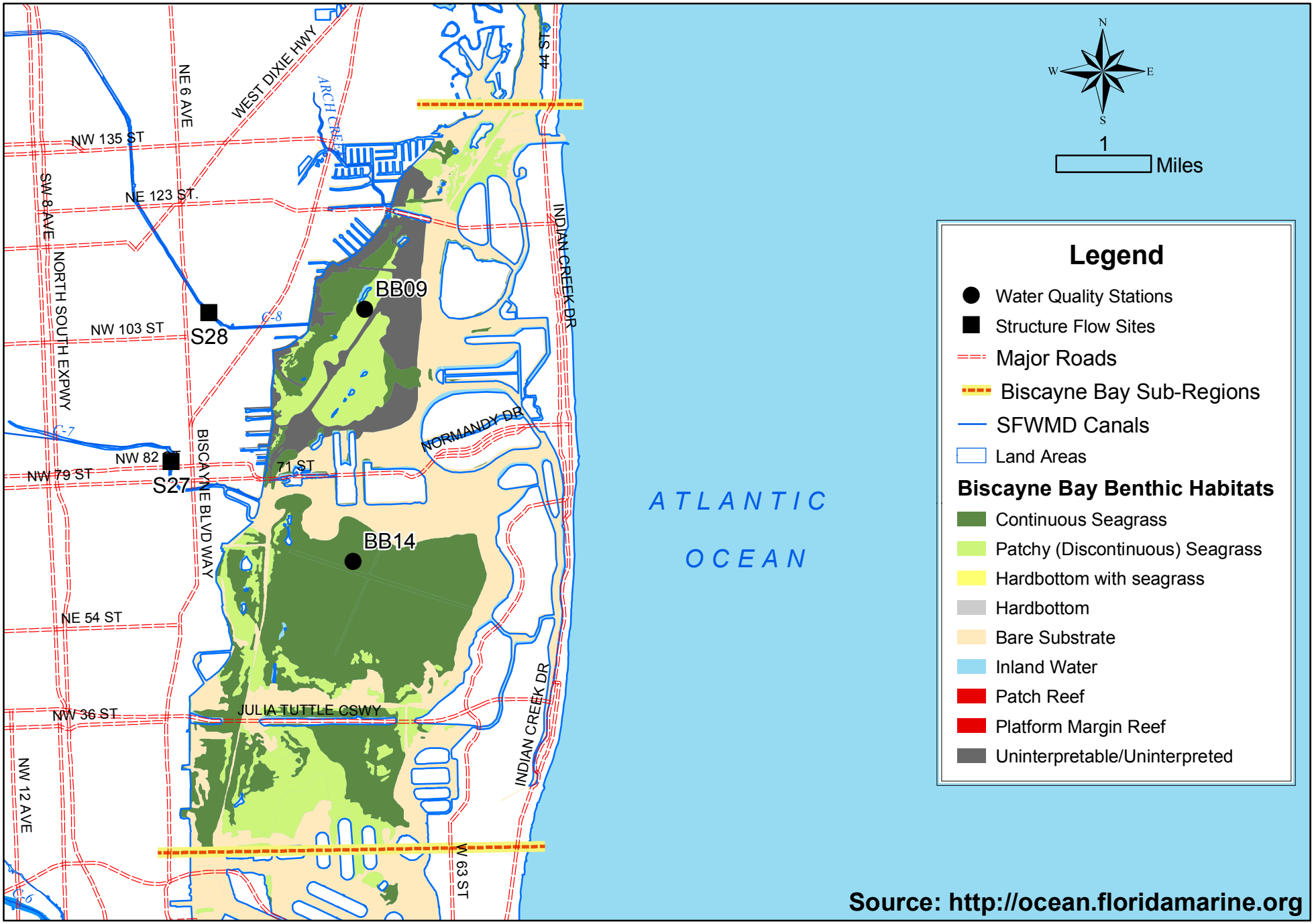

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Figure 8
Approximate Northern Biscayne Bay Sub-Region

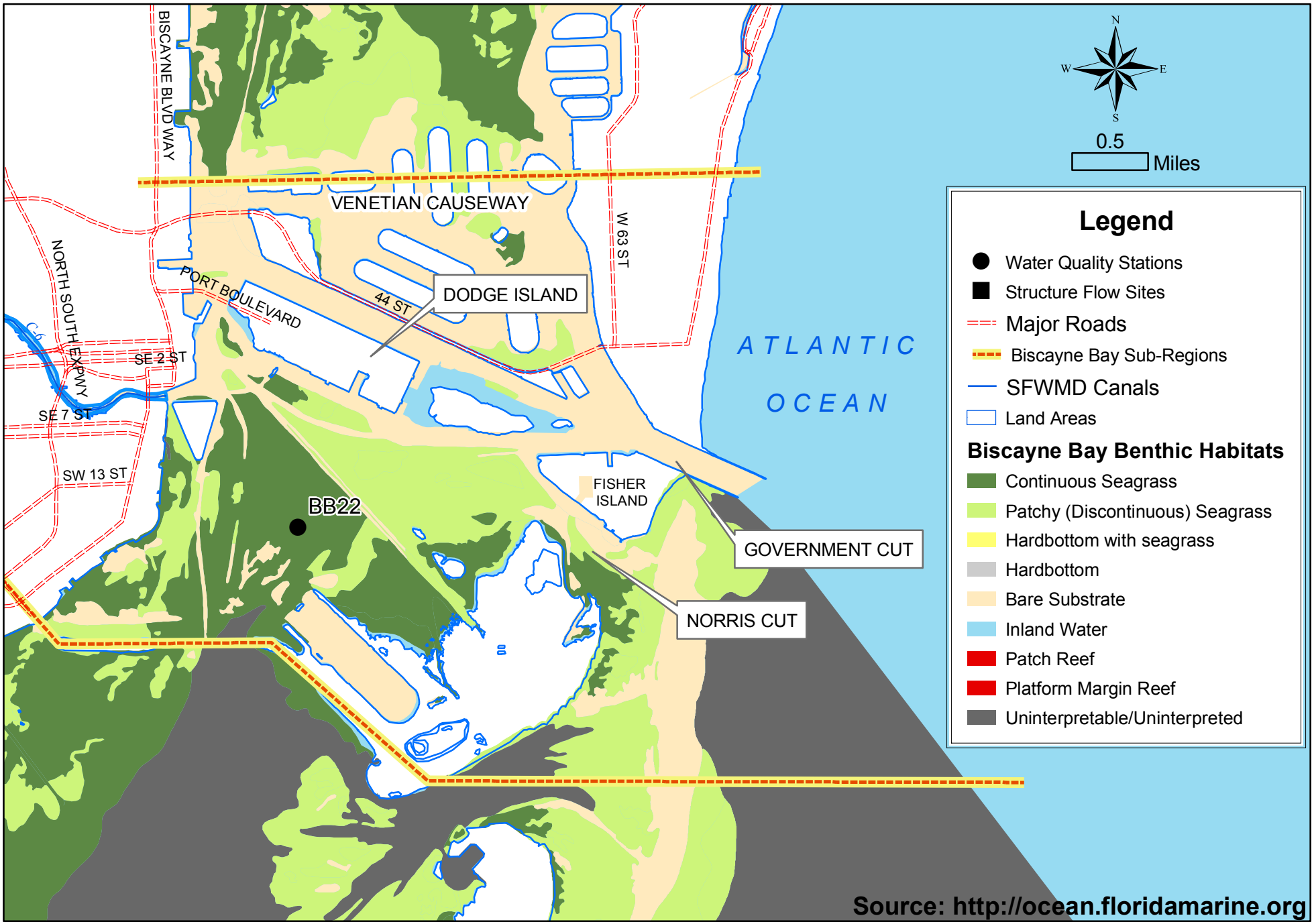

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Figure 9
Approximate Miami River/Government Cut Sub-Region

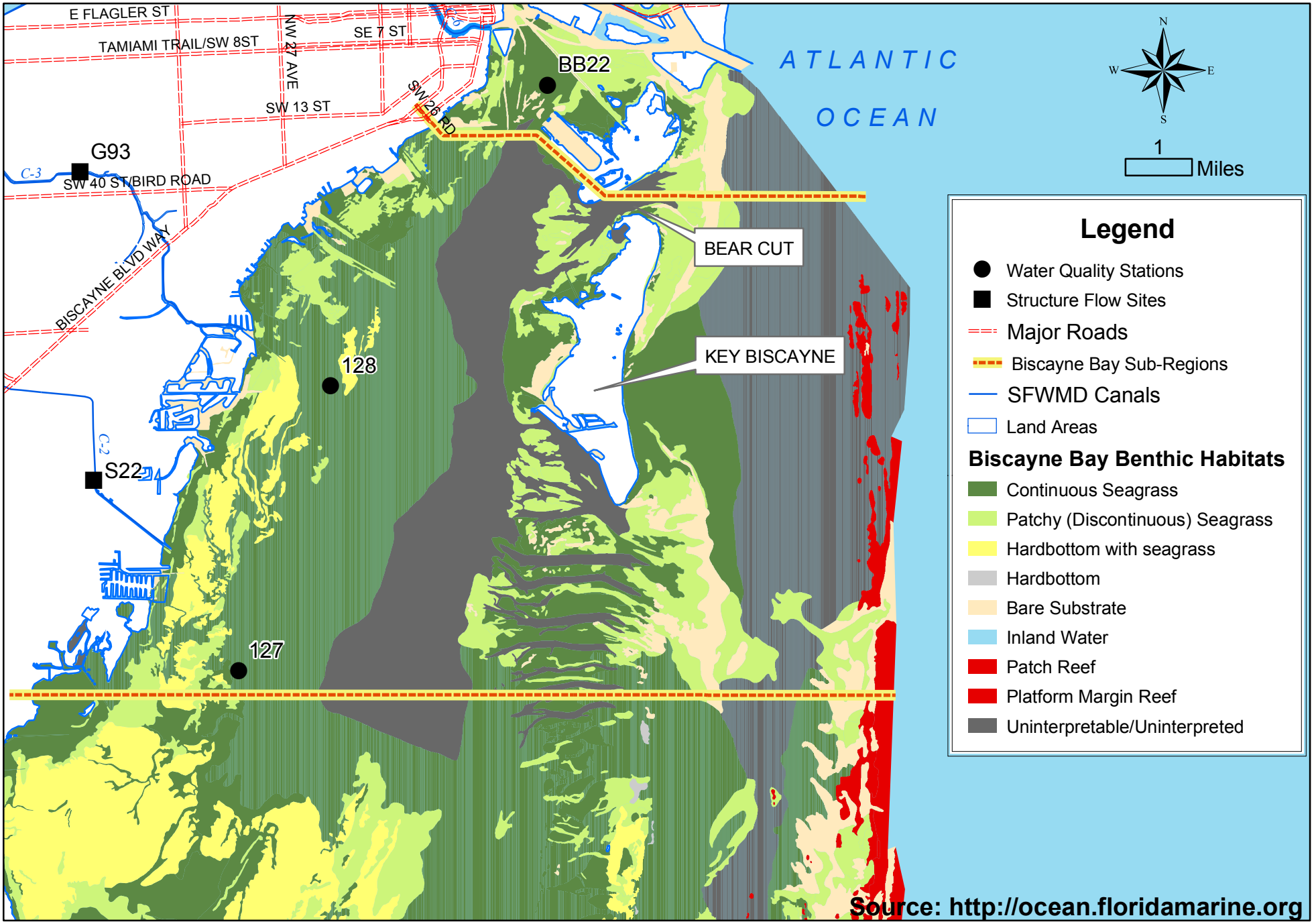

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Figure 10
Approximate Central Biscayne Bay Sub-Region

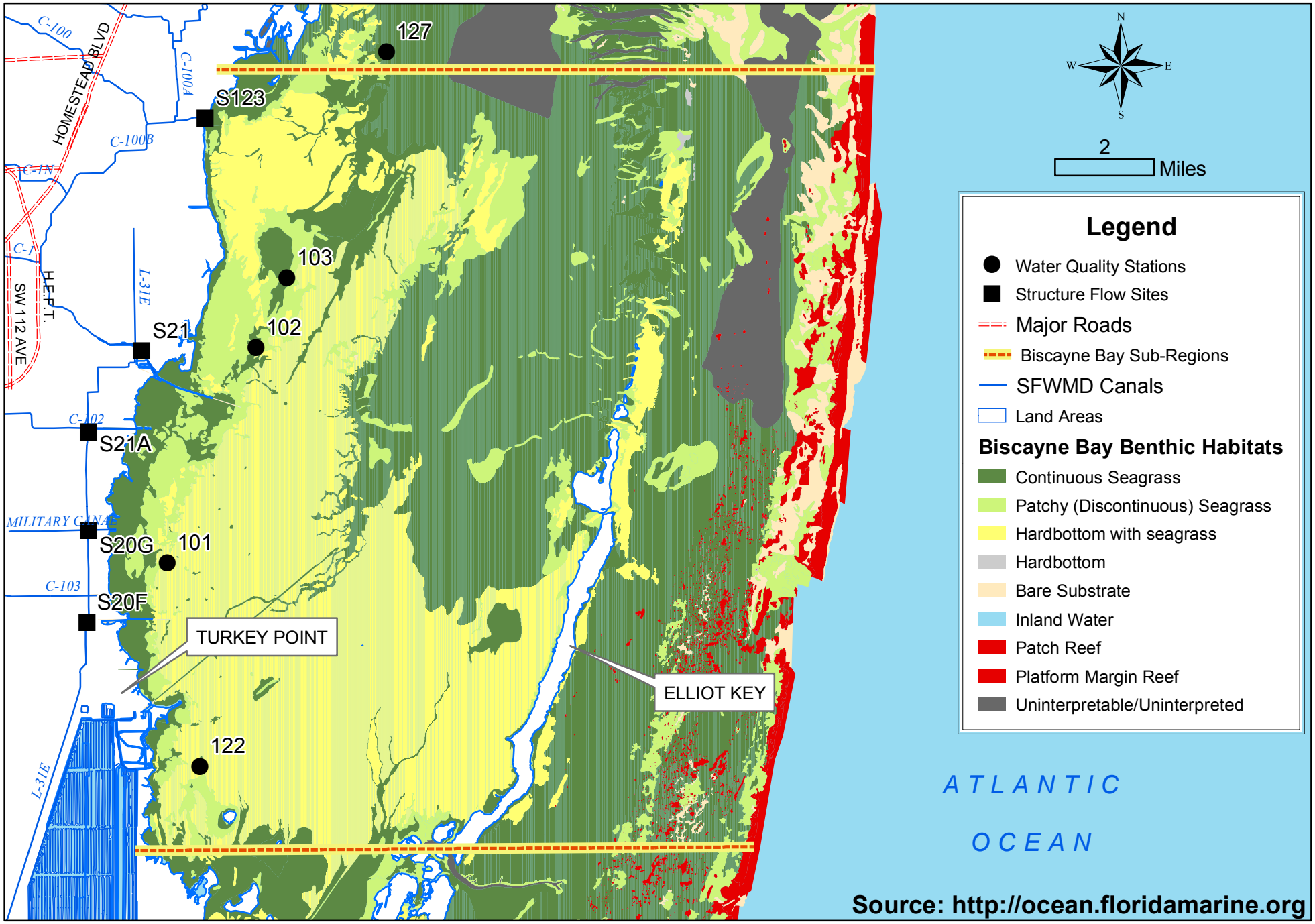

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Figure 11
Approximate South-Central Biscayne Bay Sub-Region

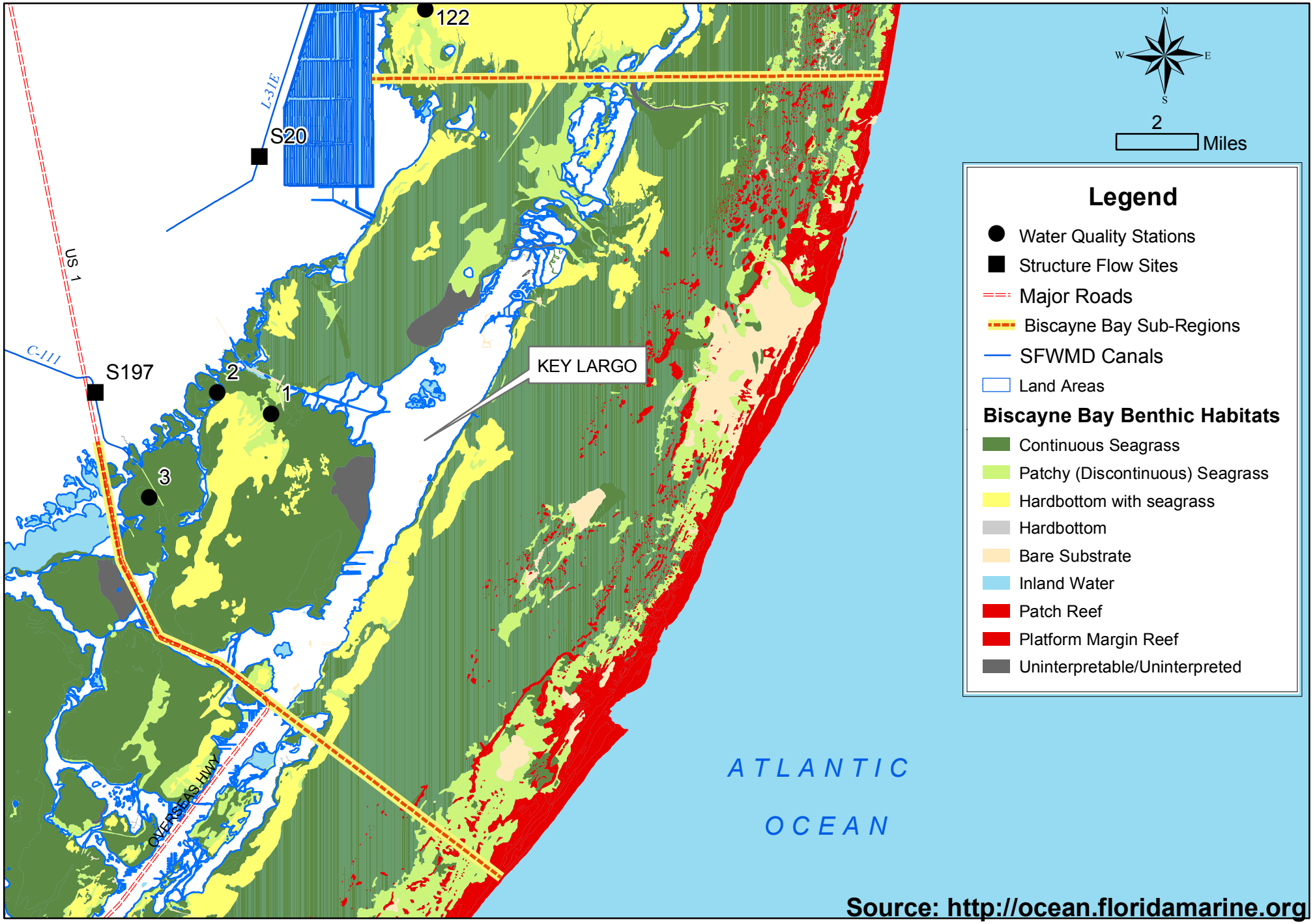

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Figure 12
Approximate Southern Biscayne Bay Sub-Region

made as to the abundance, density, and/or spatial distribution of any individual seagrass species.

Relevancy of this information to the establishment of MFL for Biscayne Bay: The FWC-FMRI data is relatively recent and covers the entire project area, however its utility in the establishment of an MFL rule for Biscayne Bay is limited due to the lack of species specificity.

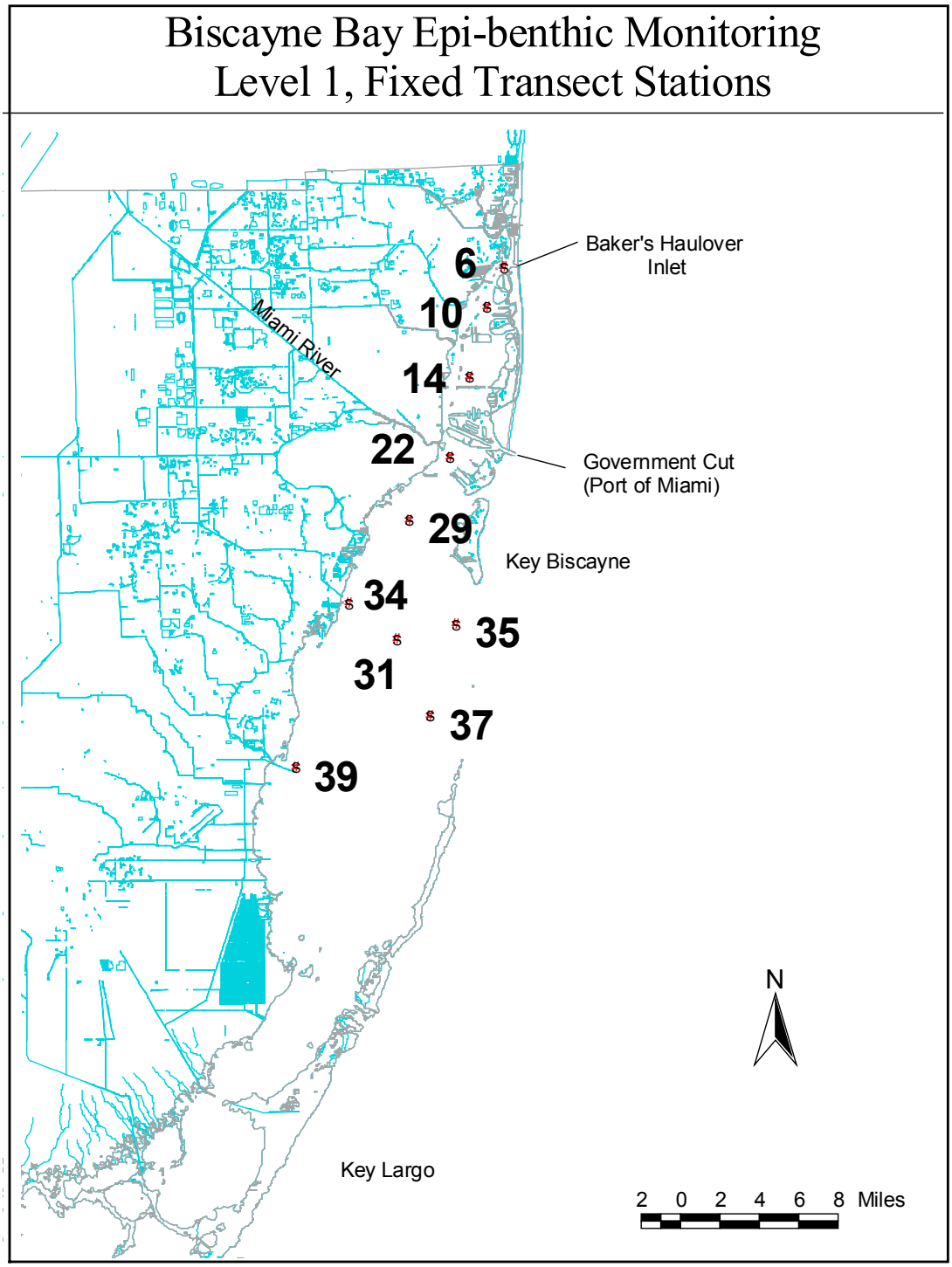
Results of seagrass mapping and/or monitoring conducted by the Miami-Dade County Department of Environmental Resources Management (DERM).

At various times during the last ± 15 – 20 years, DERM has documented the presence, absence and/or species distribution of seagrasses in Biscayne Bay. Milano (1983) developed a map of bottom communities of Biscayne Bay based on the data that were available at that time. Beginning in 1985 however, DERM obtained information on seagrasses by monitoring conditions along a number of specific transects. As time passed, DERM determined that it would be advantageous to document seagrasses on a broader scale, and a change was made in 1996 to begin documenting conditions at approximately 100 randomly-selected locations throughout the Bay. Each year, a new suite of 100 sites is visited, and within each site, the seagrass and macroalgae species that are present are documented and estimates are made of the abundance of each species. The information through the end of this subsection, with minor editorial and formatting adjustments, was provided by DERM as a description of their seagrass monitoring programs.

"DERM's SAV monitoring design is comprised of two main elements. The first ("Level 1" sampling) is a sampling of fixed locations throughout the bay, which provides trend-oriented data. The second ("level two" sampling) is a stratified random sampling that provides status, trend, and spatial data of the benthic communities of the southern portion of the bay.

Level 1 Sampling - Established in September 1985, a series of fixed transects were positioned throughout the bay. Initially, sampling was conducted quarterly at 12 sites. Three additional sites were added 1989, two in Manatee Bay and one in Barnes Sound. Currently, sampling is conducted annually during the month of June at 10 of the original 12 sites (Figure 13). Monitoring of stations located near Black Ledge and Turkey Point was discontinued in 1996. The three stations added in 1989 were incorporated into DERM's SAV monitoring program in northeast Florida Bay, and sampling is currently conducted at these sites on a semiannual basis in May and November.

Figure 13
Level 1 – Fixed transect stations in Biscayne Bay



Parameters collected include, seagrass shoot and blade density, standing crop biomass by species, and seagrass composition along a 45 m transect. Shoot and blade density will be determined at each station by sampling a 0.2 m^2 section at each of three fixed one meter square grids.

Standing crop biomass is harvested from three 0.04 m^2 areas at each station. Biomass samples are segregated by species, rinsed in a mild HCl solution, then dried in an oven at 60 degrees C and weighed.

The location of the current Level 1 monitoring transects and a summary of the results are shown graphically on the following charts (Figures 13 and 14 a-n). The raw data from these analyses are provided in Appendix A.

Level 2 Sampling - This is a stratified random sampling similar to the methods currently used in Florida Bay and the Florida Keys National Marine Sanctuary (FKNMS). The monitoring network consists of 101 stratified random sites sampled annually using the modified Braun-Blanquet cover-abundance scale (BBCA) Table. Overall cover for each species of seagrass, and total cover for all species are estimated using the BBCA scale defined below. Frequency, abundance, and density are calculated for each site.

Table 3. The modified BBCA scale.

BRAUN-BLANQUET COVER-ABUNDANCE (MAGNITUDE) SCALE

BBCA VALUE ASSIGNMENT	OBSERVED RANGE	MEAN COVER (%)	ABUNDANCE
5	> 75	87.5	ANY
4	50 to 75	62.5	ANY
3	25 to 50	37.5	ANY
2	5 to 25	15	ANY
1	< 5	2.5*	NUMEROUS
0.5	< 5	2.5*	LOW
0.1	< 5	2.5*	SOLITARY
0	ABSENT	0	ABSENT

* represents an assigned value

Figures 15 and 16 are graphic representations showing the spatial coverage of the Level 2 monitoring and the distribution of *Thalassia testudinum* as documented in this initiative.

Figure 14 a

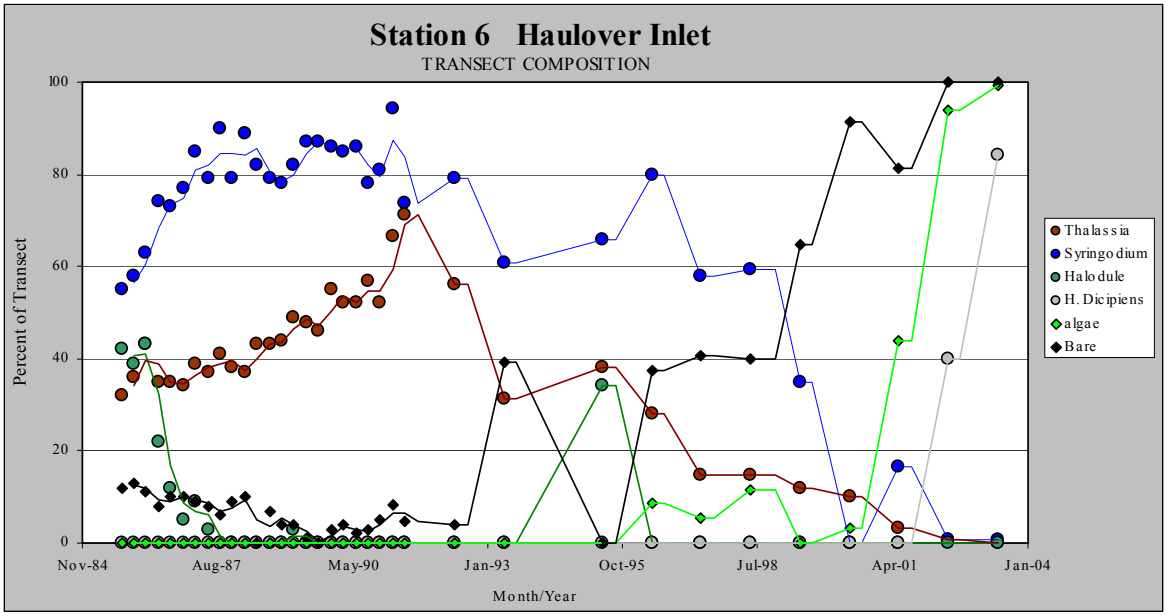
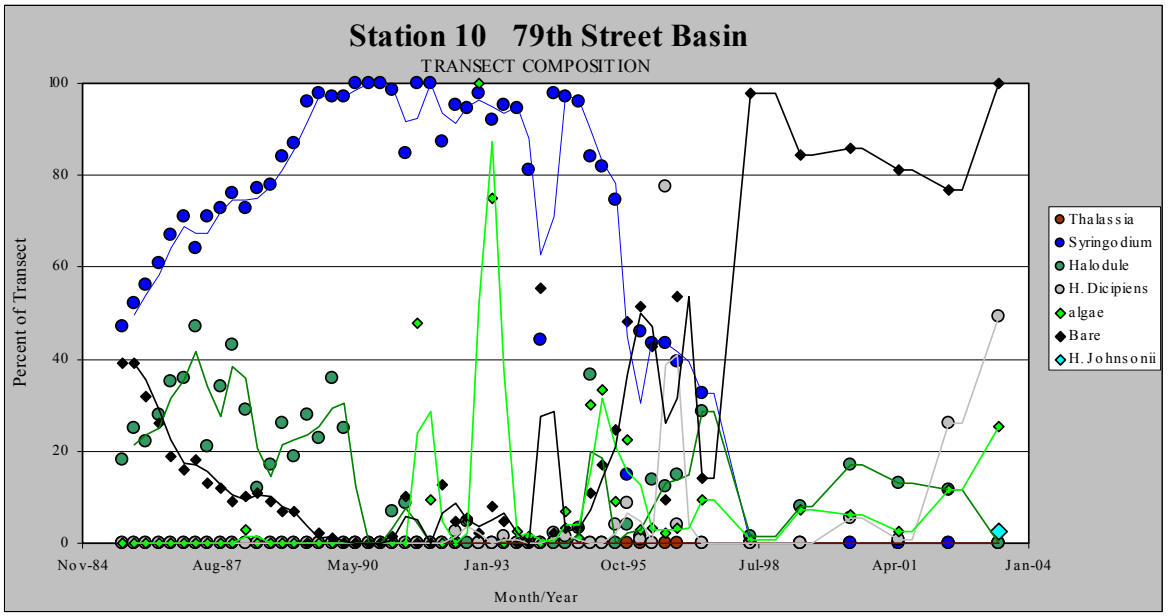


Figure 14 b



Information provided by DERM

Figure 14 c

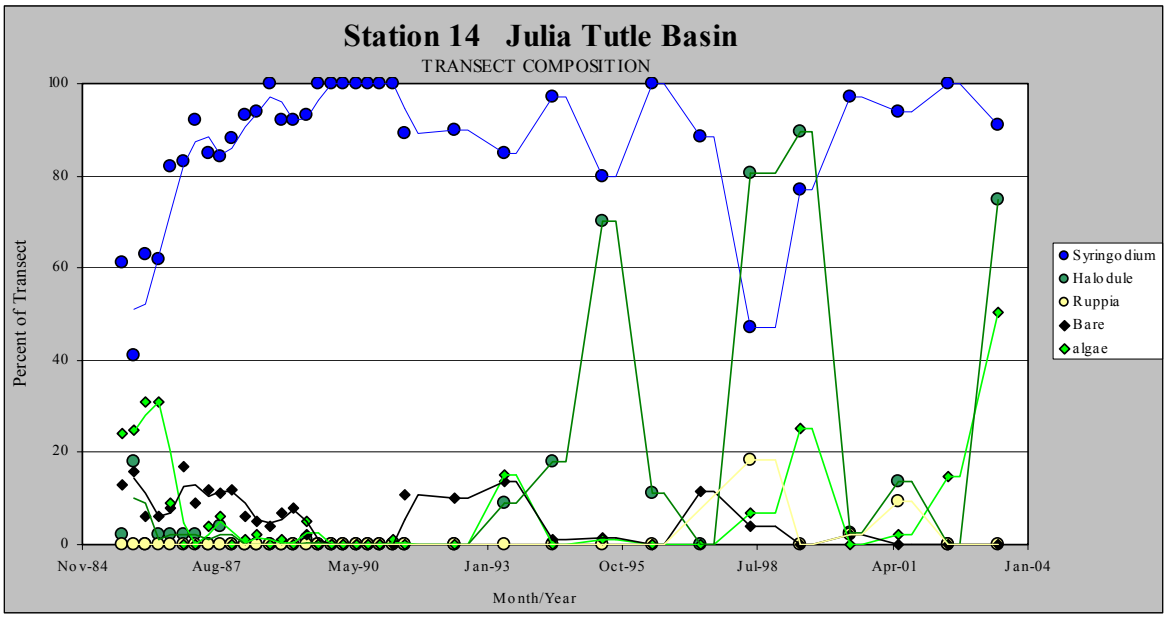


Figure 14 d

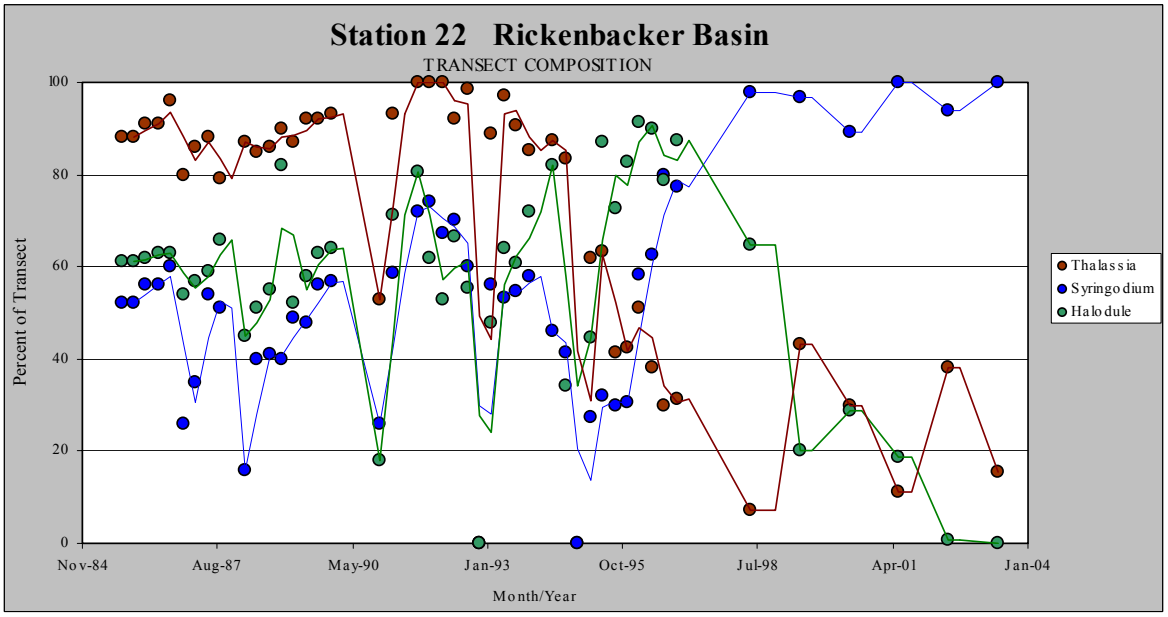


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Figure 14 e

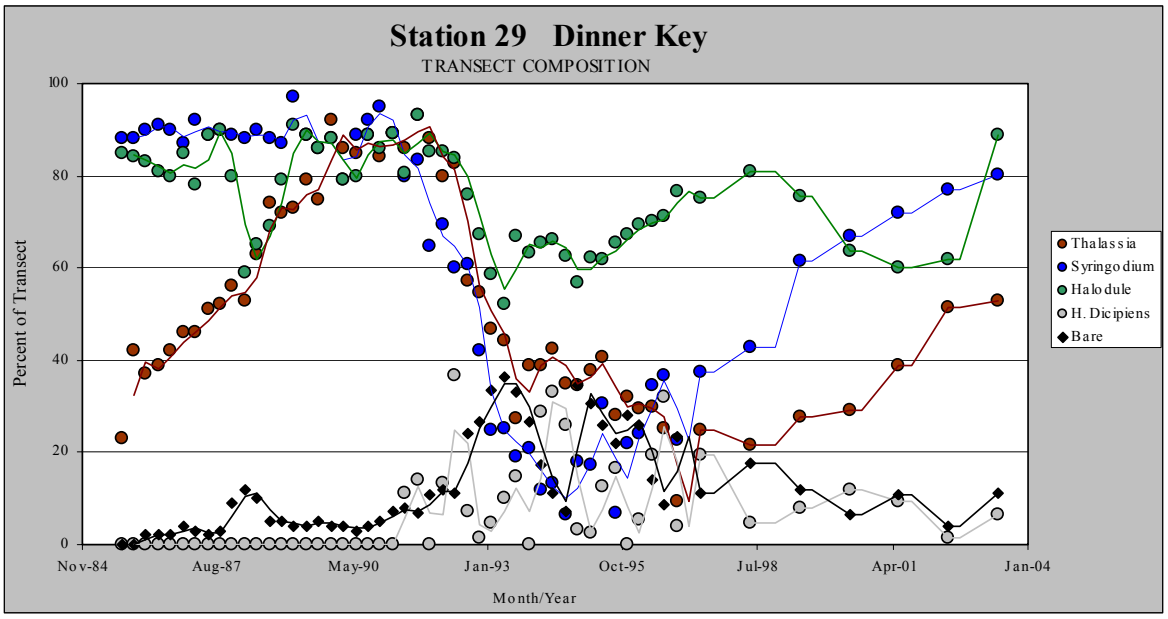

Figure 14 f

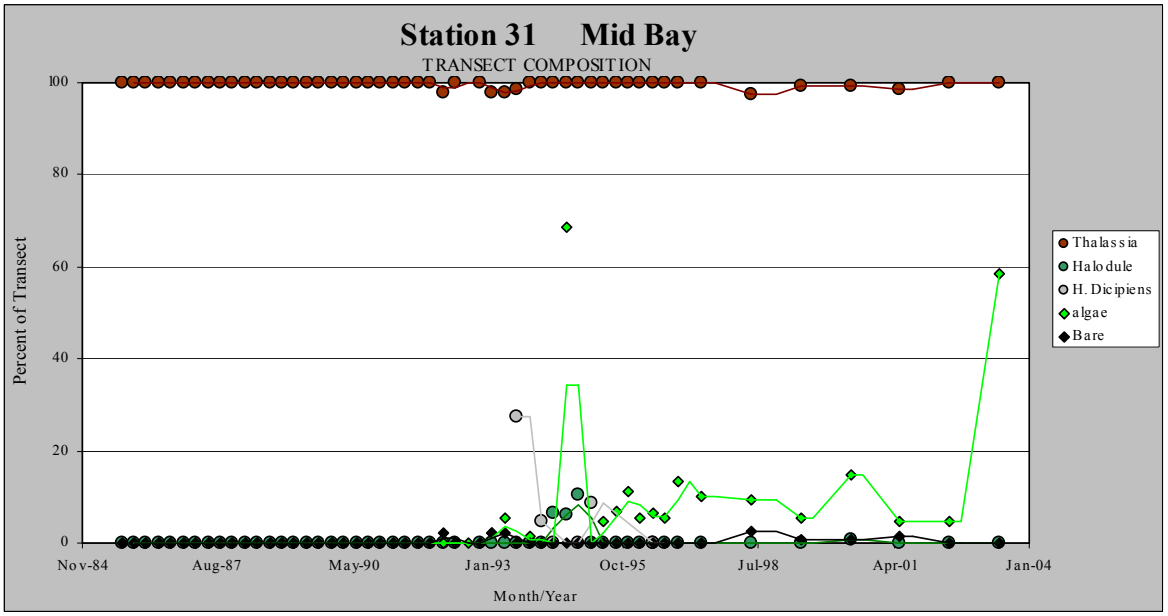

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Figure 14 g

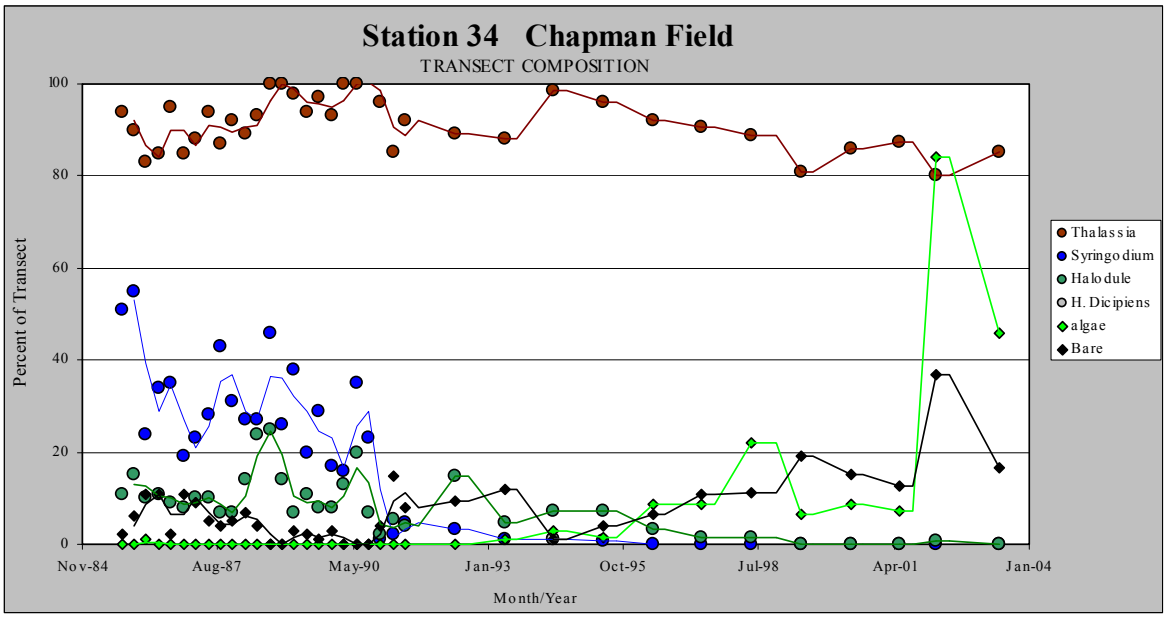

Figure 14 h

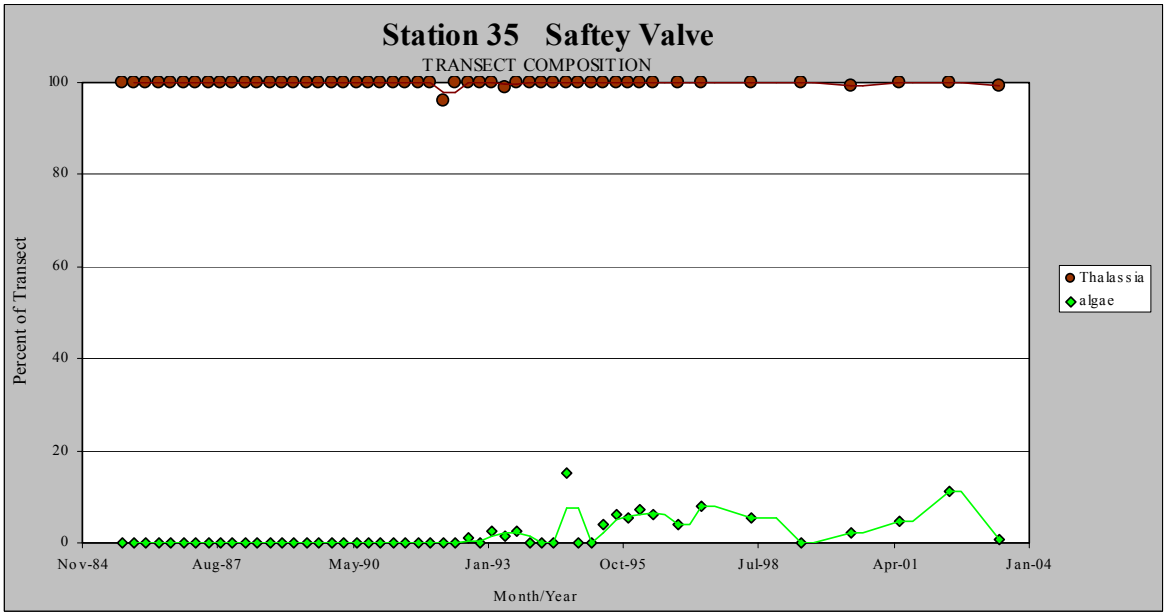

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Figure 14 i

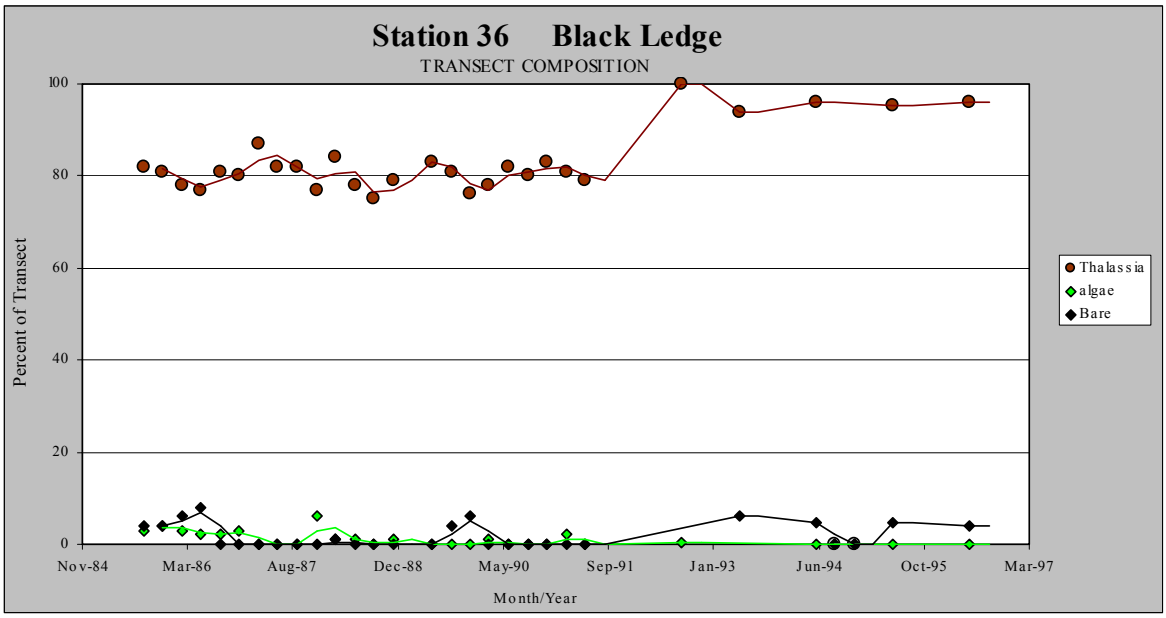

Figure 14 j

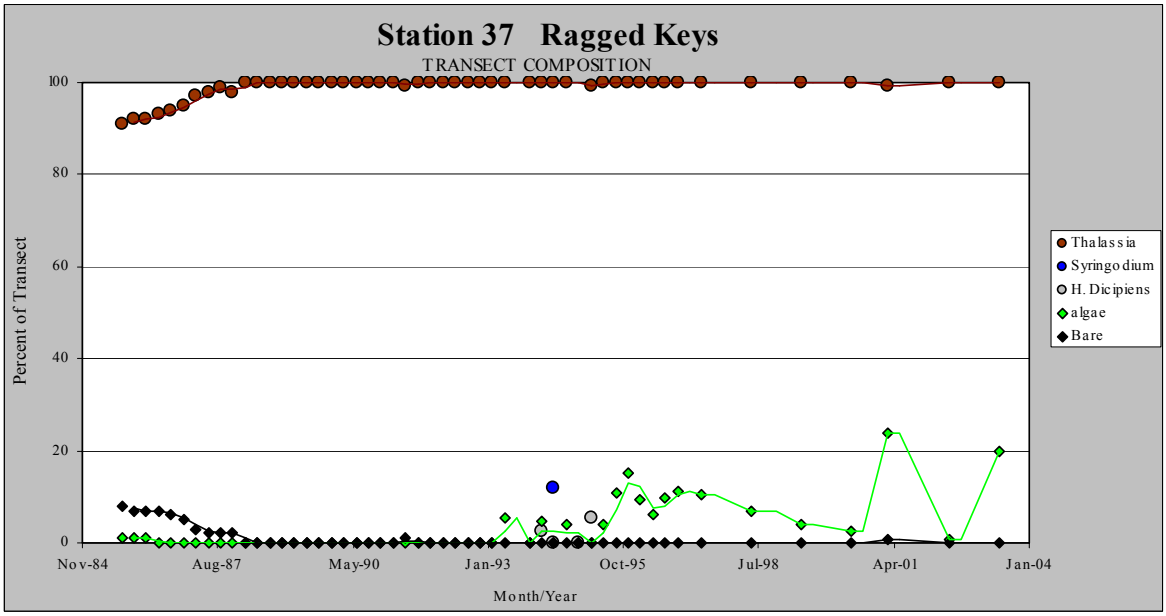

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Figure 14 k

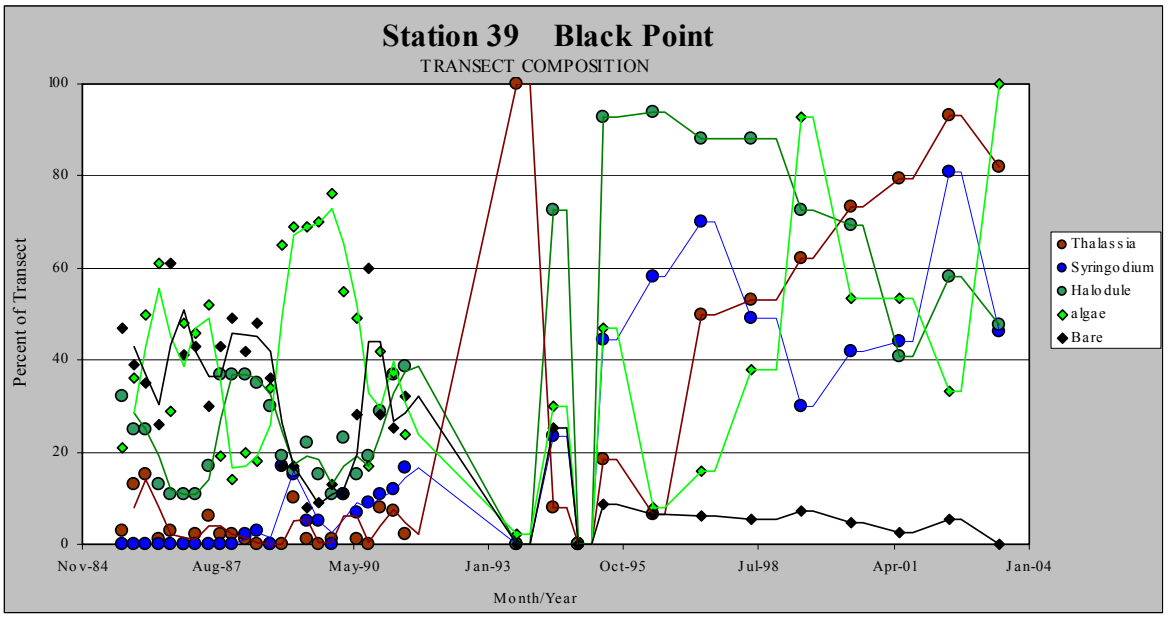

Figure 14 l

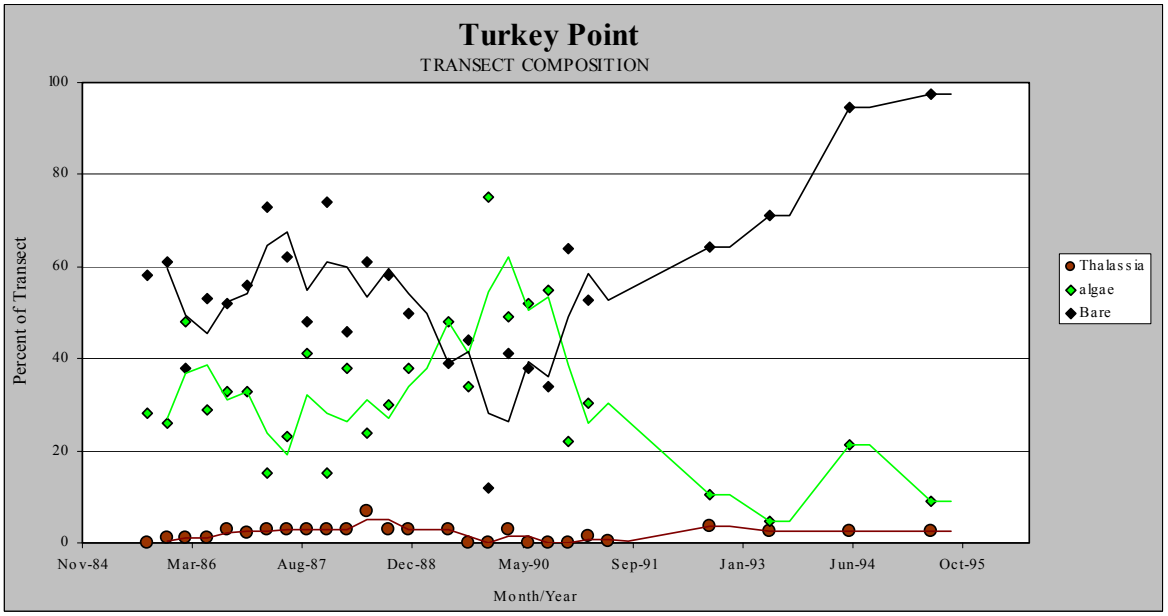

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Figure 14 m

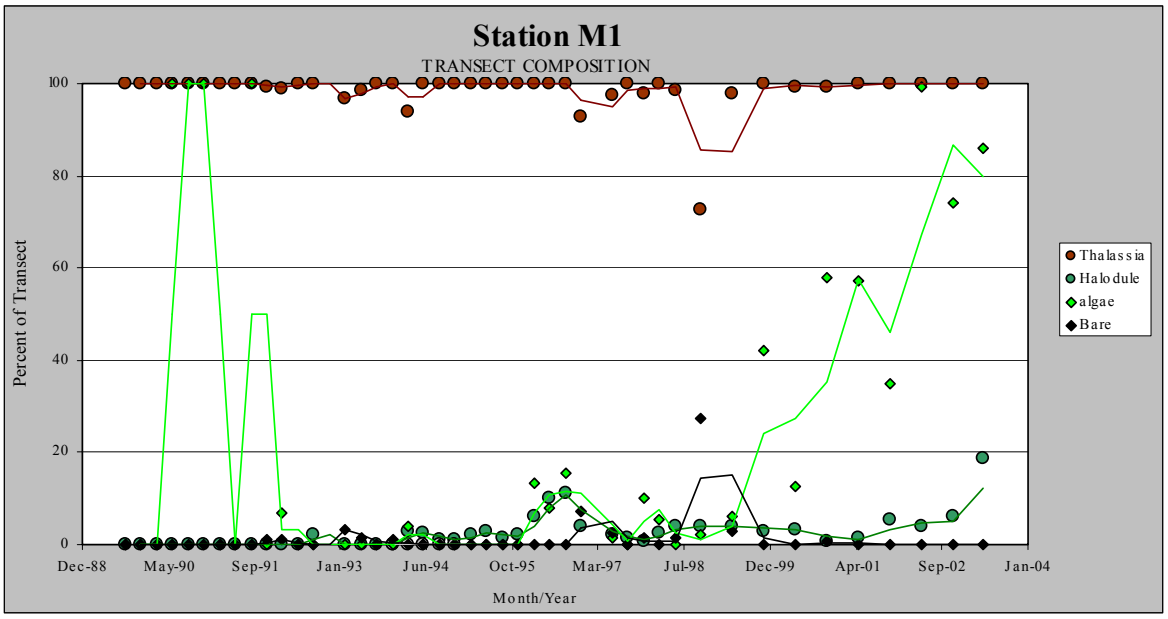
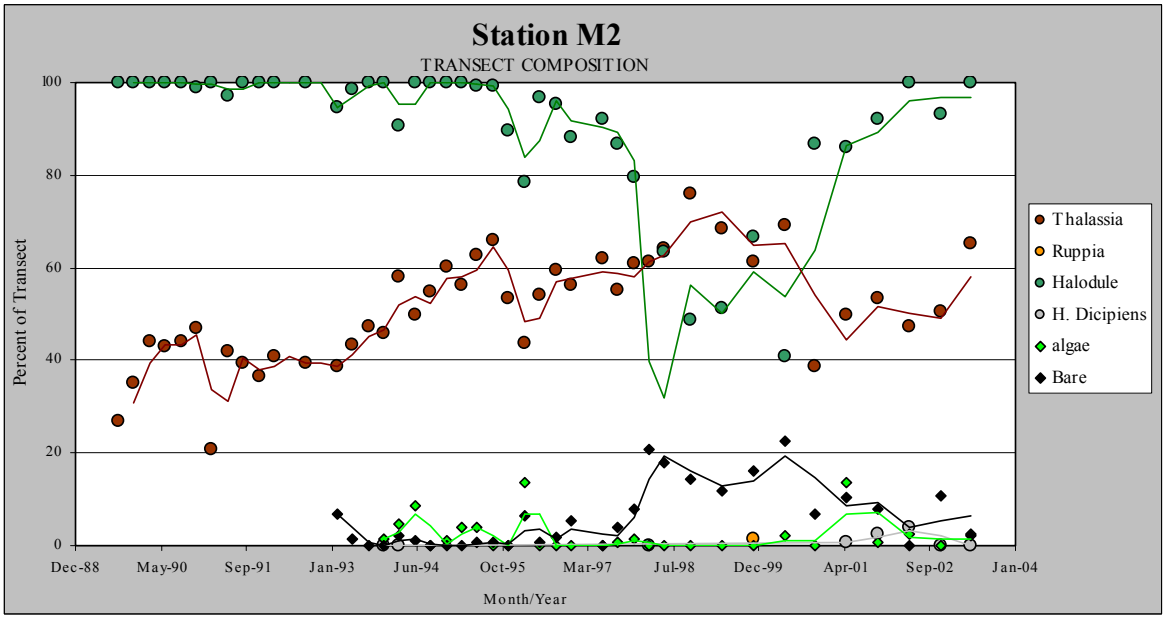


Figure 14 n



Information provided by DERM

Figure 15
Level 2 Sampling polygons for Thalassia testudinum. Each polygon contains 12-16 potential sampling locations. (Information from DERM)

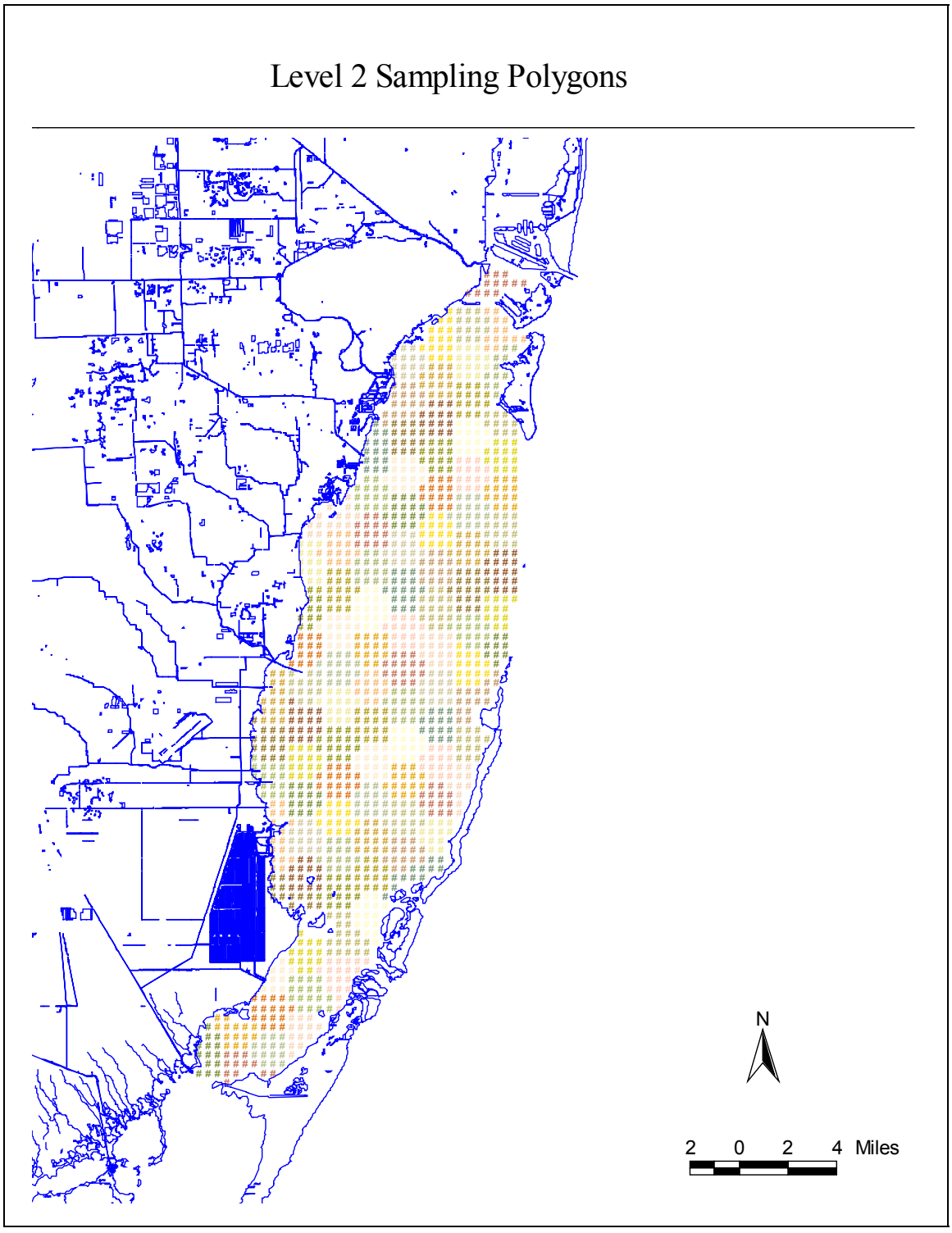
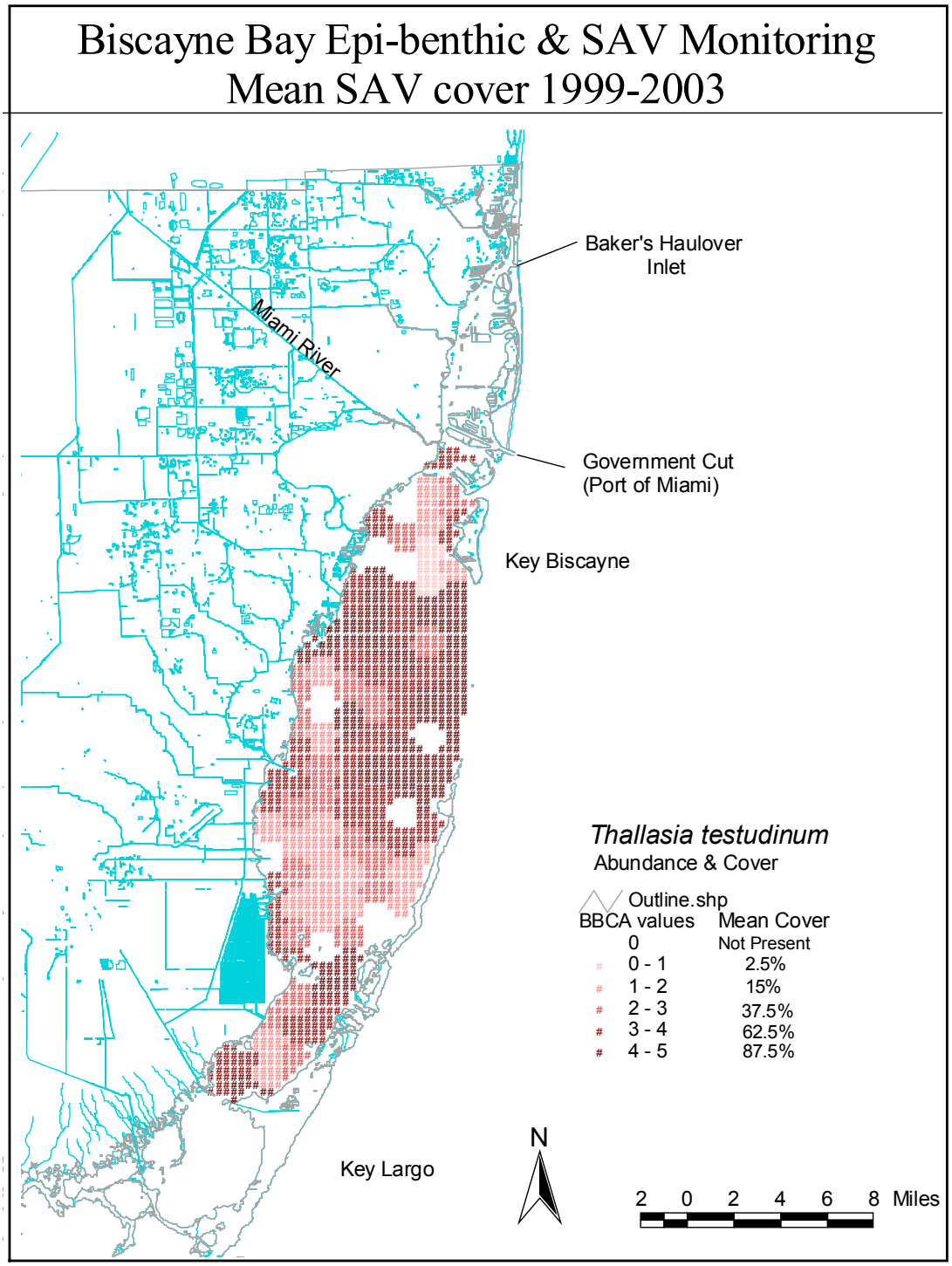


Figure 16
Mean BBCA Abundance and related cover, of *Thalassia testudinum* between 1999 - 2003. (Information from DERM)



Relevancy of this information to the establishment of MFL for Biscayne Bay: At present, the DERM data is the best available data for seagrasses within the project area. It is current, covers the entire project area and includes the identification of each species of seagrass and macroalgae at each monitoring location.

Seagrass mapping currently being conducted by researchers at Florida International University

As identified previously, graduate students at FIU are currently involved with detailed seagrass mapping in the nearshore areas within the central and South-Central Biscayne Bay sub-regions. Data are presently being taken and compiled regarding the SAV species, spatial distribution, abundance and density of each seagrass species in these nearshore waters. Freshwater seepage wells have been installed in the Bay and water quality data, including salinity are simultaneously being recorded.

Relevancy of this information to the establishment of MFL for Biscayne Bay: It is likely that, when these data are published (i.e., mid to late 2004) they will be the best available data for seagrasses within the nearshore portions of the central project area. They are current; they will cover the area that is most significantly affected by alterations in the flow of freshwater into the Bay and they will include the identification of each species of seagrass and macroalgae at each monitoring location and will have water quality parameters, including salinity, recorded at each sampling site. Although it appears unlikely that these data will be released prior to the April 2004 deadline for this Task 7 report, it is recommended that the District maintain communication with FIU and obtain the information as soon as it is available, and give careful consideration to how the results may affect the development of the MFL rule.

Seagrass Communities as habitat for marine fauna

Numerous studies have documented that submerged aquatic vegetation provides habitat for a variety of marine organisms, and cross-indexed references to many such studies were provided in "Freshwater Flow and Ecological Relationships in Biscayne Bay" (BFA, 2004). Of particular pertinence to developing an understanding of these relationships in Biscayne Bay, De Sylva 1969, Thorhaug 1976, and Ault et. al. 1999, all provide site specific data identifying the value of seagrasses in Biscayne Bay.

Much of the site-specific research has focused on the value of seagrass communities as habitat for fishes. Idyll (1966) identifies 27 species of fish that occur in Biscayne Bay and which are 'of major importance to commercial, sport or bait fisheries either in Biscayne Bay or elsewhere. Fishes listed by Idyll (1966) include well-known commercially valuable species (e.g., mullet, snapper, groupers), highly-sought recreationally valuable species (e.g., tarpon, bonefish, snook) and baitfishes (e.g., herrings). Idyll (1966) identifies an additional 18 species of fish that are "of minor importance" to commercial sport or bait fisheries (e.g., grunts, pinfish, mojarra), and a cumulative list of these species is provided in Table 4, below. The preferred habitat for many of these species in either the juvenile and/or adult stage is the seagrass community. Seagrasses also provide habitat for the prey of these species.

Table 4
Fishes occurring in Biscayne Bay which are of major or minor importance to commercial, sport or bait fisheries in Biscayne Bay

Common Name	Scientific Name		Common Name	Scientific Name
Species that are of major importance			Species that are of minor importance	
Black mullet	*Mugil cephalus*		French grunt	*Haemulon flavineatum*
Silver mullet	*Mugil trichodon*		White grunt	*Haemulon plumieri*
Common barracuda	*Sphyraena barracuda*		Sailor choice	*Haemulon parra*
King mackerel	*Scombermorus regalis*		Caesar grunt	*Haemulon carbonarium*
Spanish mackerel	*Scombermorus maculates*		Broad mojarra	*Cerres cinereus*
Blue runner	*Caranx crysos*		Common mojarra	*Eucinostomus gala*
Bar jack	*Caranx rubber*		Sandperch	*Deplectrum formosum*
Crevelle jack	*Caranx hippos*		Lookdown	*Selene vomer*
Gray snapper	*Lutjanus griseus*		Ladyfish	*Elops saurus*
Lane snapper	*Lutjanus synagris*		Pinfish	*Archosargus rhomboidalis*
Schoolmaster	*Lutjanus apodus*		Chub	*Kyphosus sectatrix*
Spotted weakfish	*Cynoscion nebulosus*		Spanish hogfish	*Bodianua rufus*
Halfbeak	*Hemirhamphus brasiliensis*		Common hogfish	*Lachnolaimus maximus*
Thread herring	*Opisthonema oglinum*		Hardhead silversides	*Atherinomorus stipea*
Grouper	*Epinephalus striatus*		Mojarra	*Eucinostomus lefroyi*
Grouper	*Epinephalus morio*		Sheepshead	*Archosargus probatocephal*
Spotted jewfish	*Promicrops itaiar*		Drum	*Pogonias cromis*
Spadefish	*Chaetodipterus faber*		Moonfish	*Vomer setapinnis*
Bonefish	*Albula vulpes*			

Table 4 - continued
Fishes occurring in Biscayne Bay which are of major or minor importance to commercial, sport or bait fisheries in Biscayne Bay

Pinfish	*Lagodon rhomboids*			
Bluefish	*Pomatomus saltatrix*			
Thin snook	*Centropomus undecimalis*			
Tarpon	*Megalops atlanticus*			
Hog snapper	*Lacnolaimus maximus*			
Flat herring	*Harenrula pensacolae*			
Common pompano	*Trachinotus carolinus*			
Permit	*Trachinotus goodei*			

Modified from Idyll, 1966

Idyll identifies an additional $\pm$ 50 species (Appendix G) that occur in Biscayne Bay which are valuable as aquarium fishes (e.g., parrotfish, filefish, angelfish, butterflyfish). The preferred habitat for majority of these species, however is the reef ecosystem, rather than seagrass communities and so the potential impact of minimum flows on these species is more remote.

Comparatively less site-specific data are available regarding the value of Biscayne Bay's seagrass communities for biota other than fishes. Research on fauna other than fish that inhabit Biscayne Bay's seagrass communities has largely focused on commercially valuable organisms. The most widely studied individual species is the pink shrimp (*Farfantepenaeus duorarum*), and numerous reports (e.g., Ault et. al. 1999, Browder at. al 1999, Diaz et. al. 2000) describe the value of the seagrass community to this species. On-going research by Browder and Robblee is documenting the value of the shoal grass community for different size and age classes of pink shrimp (J. Browder, pers. comm.).

Fewer data are available concerning the documented presence of other biota in the seagrass communities of Biscayne Bay, however, Idyll (undated) identifies several invertebrate species that inhabit Biscayne Bay and which are of major importance to commercial, sport and/or bait fisheries. Of these, seagrasses are important at one time or another in the life cycle for the species identified in Table 5.

Table 5
Seagrass dependant Invertebrates that occur in Biscayne Bay and which are of major importance to commercial, sport or bait fisheries

Common Name	Scientific Name
Queen conch	*Strombus gigas*
Blue crab	*Callinectes sapidus*
Stone crab	*Menippe mercenaria*
Spiny lobster	*Panulirus argus*
Pink shrimp	*Farfantepenaeus duorarum*

Modified from Idyll (1966)

As noted elsewhere in this report, it is the shoal grass community that is present along much of the western portion of the project area that is most susceptible to modifications in the timing, volume and/or quality of the fresh water delivery into Biscayne Bay. On-going monitoring and research is being conducted that, when completed will be helpful in identifying and understanding the relationship between fisheries and seagrasses in the Biscayne National Park area of the Bay. This fish and shrimp sampling is being conducted by J. Browder, M. Robblee and others and will be particularly valuable in that it includes intensive sampling within the nearshore (depths less than one meter) area of the bay. Data are still being collected in this multi-year study, the results of which should be obtained evaluated as soon as they are available for their relevancy to the establishment of MFLs for this sub-region of the Bay.

Although American oysters (*Crassostrea virginica*) are presently largely absent from Biscayne Bay, they are present in some tidal creeks and canals (J. Meeder, pers. comm) along the western shore of portions of Biscayne Bay. There has been no recent attempt to determine or document the presence, absence, abundance and/or vitality of oysters in Biscayne Bay. However, detailed investigations and analyses by (URS Greiner Woodward Clyde 1999) in the St. Lucie Estuary (approximately 100 miles north of Biscayne Bay on Florida's east coast) resulted in that species being selected as a key indicator for minimum flows and levels for that ecosystem. Their investigations identified other mollusks (e.g., brackish water clam (*Rangia cuneata*), coot clam (*Mulinia lateralis*), ribbed mussel (*Modiolus demissus*) and barnacles (Balanus sp.) that inhabit the 21-40 ppt salinity zones in that estuary (URS Greiner Woodward Clyde 1999). Their analyses also documented the presence of seagrasses, including *Halodule* in this zone.

Additional investigations and research would be necessary to document the presence and distribution of these species in Biscayne Bay.

IMPLICATIONS OF THE KNOWN CONTROLS ON SEAGRASS DISTRIBUTION, EXISTING SEAGRASS MAPS OF BISCAYNE BAY AND MFLS

Given that detailed seagrass maps of Biscayne Bay are just now being prepared at a level to discern species distribution patterns and zonation along the western shoreline near the major drainage canals (i.e., graduate student work at FIU by Danielle Mir-Gonzalez and Julie Christian), the preliminary maps shown in Figures 17 and 18, combined with the ongoing work of Joan Browder and Mike Robblee concerning faunal use and preferences for seagrass beds in Biscayne Bay can be used to draw preliminary conclusions and direct further study.

In addition, URS Greiner Woodward Clyde (1999) has performed a similar survey of the literature, existing distribution of submerged aquatic vegetation and potential distribution given improvements to water quality for the St. Lucie Estuary (SLE). They determined that the existing "SAV resources in the SLE are extremely low." Using an SAV suitability analysis they determined that due to the wide range in salinity currently existing in the SLE that "SAV species that are more adapted to lower salinity regimes may offer the greatest potential for establishment of submerged vegetation. It is recommended that additional effort be given to evaluating these species, especially wigeongrass, for suitability in the SLE. Shoal grass has the highest potential for the Lower Estuary areas." We would caution, however, as discussed below for other studies, the topic of nutrient enrichment via freshwater inputs was only mentioned in passing in this study, and that the SAV analyses did not include any algal component. A brief reference to the potential competition for light between phytoplankton and seagrass is mentioned briefly on page 4-9. The exclusion of further discussion or examination of larger macroalgal species and epiphytes is a major limitation of the conclusions of this report, regardless of the extent of its presence/absence in the St. Lucie Estuary.

Fong and Hartwell (1994) initially developed a simulation model to predict changes in biomass of three species of seagrass (shoal grass, turtle grass and manatee grass), epiphytes on the seagrasses and rhizophytic macroalgae as related to temperature, light, salinity and water-column and sediment nutrients (P only) in south Florida. This work was based on published information without direct experimentation. Fong et al. (1997) extended these analyses to

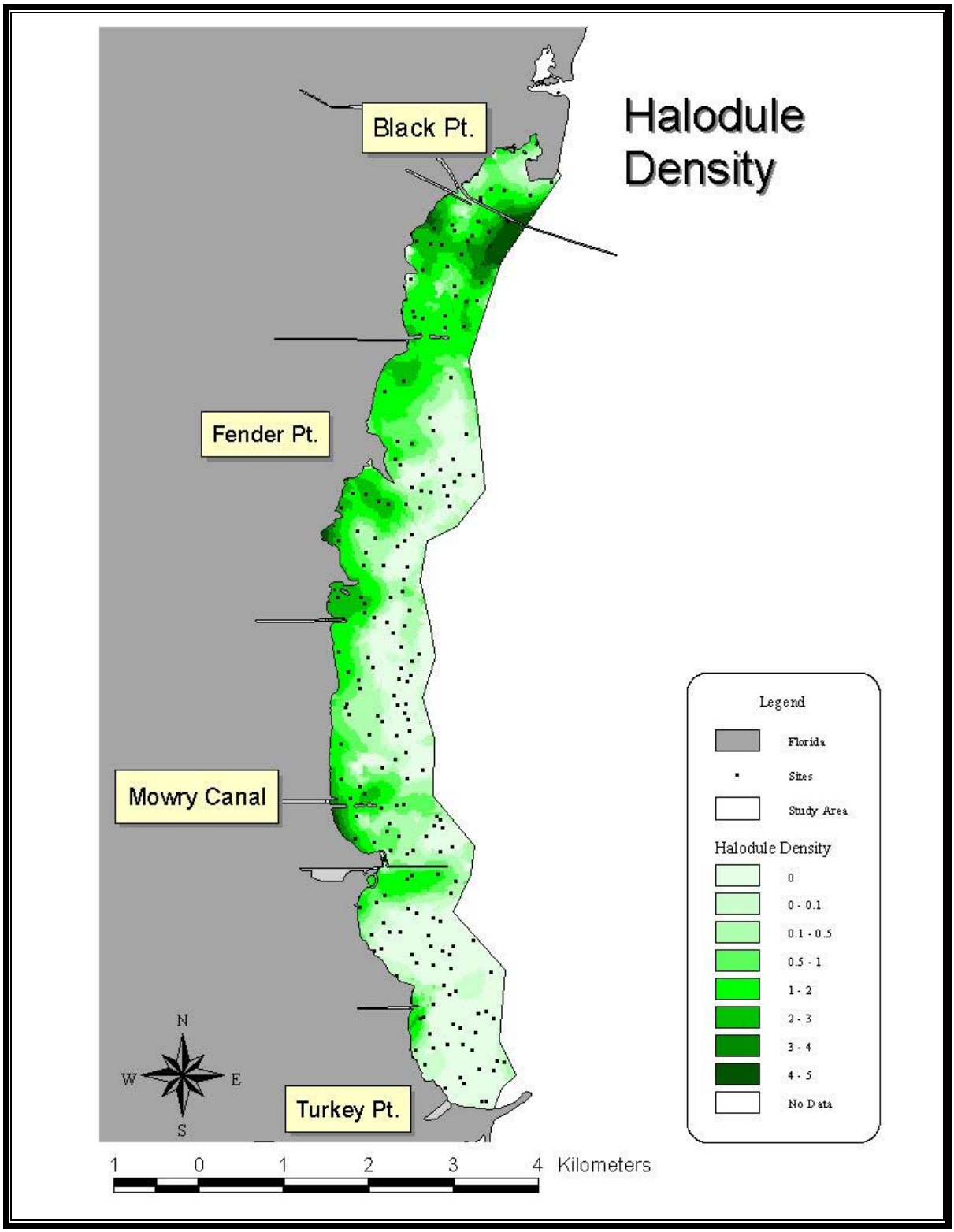


Figure 17
Halodule Density in Biscayne Bay

Biscayne Bay—*Halodule* and *Ruppia* Coverages

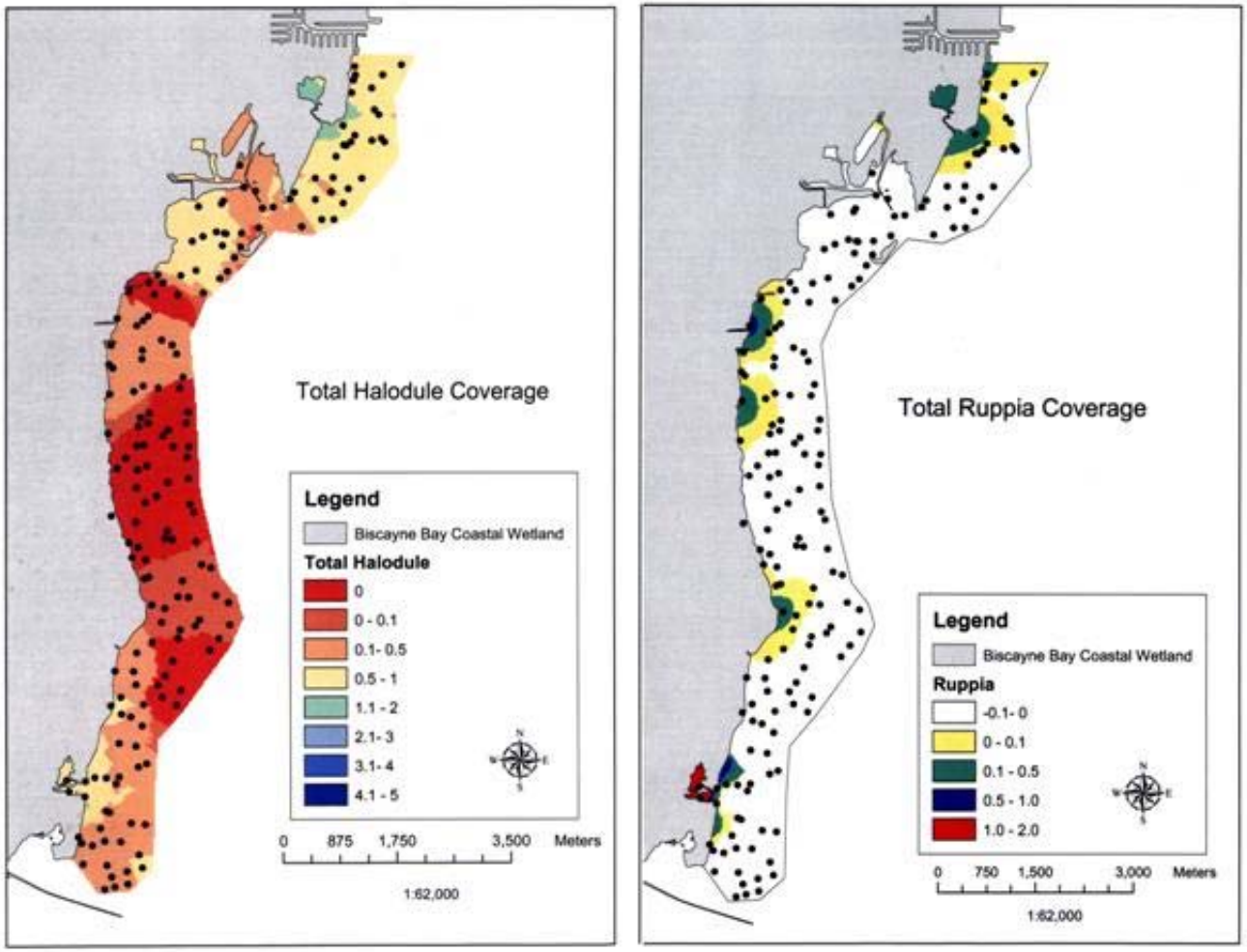


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Figure 18
Halodule and Rupia Coverages in Biscayne Bay

include comparison of the model predictions with actual values for biomass at three locations in Biscayne Bay: Turkey Point, Fender Point and Black Point. The validation process had a good fit for Turkey Point (i.e., turtle grass dominant, manatee grass absent, and shoal grass at low biomass), somewhat less so for Fender Point (i.e., shoal grass dominant in winter, turtle grass in the summer) and less so for Black Point (shoal grass dominant year round, low biomass for turtle grass). Although Fong et al. (1997) concluded that the model in its form at the time "...could be useful to managers to run what-if scenarios in order to make predictions about up-stream water management practices, including allowable nutrients and freshwater diversion", we would disagree since the role of nitrogen in the water column was not part of the model development nor validation. Fong et al. (1997) do acknowledge that "...the parameters controlling growth and death rates of the algal groups, especially the epiphytes, are the least certain parameters in the model." Since it has been shown that nutrient enrichment, particularly nitrogen increases can fuel rapid biomass increases in epiphytes on seagrasses, and their resulting death (Cambridge and McComb 1984, Cambridge et al. 1986, Silberstein et al. 1986), this is an important issue in Biscayne Bay. In addition, rapid increases in biomass of drift algae, such as *Ulva* spp., *Gracilaria* spp., and *Enteromorpha* spp. have also been linked to nitrogen enrichment in Biscayne Bay (Meeder and Boyer 2001) and nitrogen enrichment and seagrass loss in Florida and other parts of the world (Lewis et al. 1985, Johansson and Lewis 1992, den Hartog 1994, Avery 2000).

The application of the Fong model to predict seagrass coverage thus has several problems. The first is the lack of a parameter for nitrogen or ammonia, enrichment within the model, and thus predictions of the likely increases in micro- and macro-algae that might compete with seagrasses. The second is the known distribution of seagrasses in the general area of the Fong et al. (1997) work (see Figures 17 and 18). The general increase in coverage by shoal grass, as one moves from south to north between Turkey Point and Black Point (Figure 18), for example, is not explained in the Fong et al. (1997) model. Wigeongrass distribution in general, as shown in Figure 17, is not addressed in the Fong et al. (1997) model. As noted in further discussions below, Fourqurean et al. (2003) appears to have a better predictive process for looking at inshore, lower salinity, seagrass species, although the water column concentrations of nutrients and their possible impacts, are still in need of greater attention,

Lirman and Cropper (2003) applied a modified Fong and Hartwell model in a more detailed look at interactions between shoal grass, manatee grass and turtle grass in Biscayne Bay. Their work included field surveys, salinity exposure experiments and a modified seagrass simulation model. Exposure of seagrasses in microcosms to various salinity ranges showed species specific susceptibilities,

with turtle grass showing maximum growth at oceanic salinities (30-40 psu), and lowest growth rates at the extremes (5 and 45 psu). For manatee grass, maximum growth rates occurred at 25 psu, with major drops in ranges higher or lower than this. Shoal grass was the most tolerant, growing well at all tested salinities. The modified model suggests that only with drastic lowering of salinities would shoal grass become the dominant seagrass in much of the study area. It is significant to note again however that Lirman and Cropper (2003) state that "Even if localized distribution patterns, such as high abundance of *H. wrightii* in canal-influenced areas may be explained on the basis of salinity regimes, salinity tolerance alone can not account for all the observed large-scale patterns in seagrass distribution...Data on other important factors such as sediment nutrient dynamics, light availability, seagrass recruitment and rhizome expansion, competition from seagrasses, epiphytes, and drift and rhizophytic macroalgae, are needed to fully understand and predict the large-scale distribution dynamics of SAV within Biscayne Bay."

In another series of papers by Boyer et al. (1997) and Fourqurean et al. (2003), long term trends in water quality data at 28 stations, and mapped seagrass meadows have been assembled to define eight benthic habitat classes from 677 sampling locations in Florida Bay. This information was used to construct a discriminant function model which assigned probability of a given benthic habitat class occurring for a given combination of water quality variables. Nitrogen species concentrations were one of the nutrients included as opposed to the Fong and Hartwell (1994), Fong et al. (1997), and Lirman and Cropper (2003) modeling efforts.

Fourqurean et al. (2003) report that only 13.9 % of the benthic habitat stations were correctly classified using mean salinity alone. Simple chance would have classified 12.8%. A step wise addition of parameters was tested with a final correct classification of 56.7%. Similar to the work of Lirman and Cropper (2003), Fourqurean et al. (2003) "...suggest that this model will prove a useful tool for resource managers interested in predicting the ecological response of Florida Bay to changes in the amount, timing and quality of freshwater flows."

Specifically Fourqurean et al. (2003) performed model runs to examine both the current and predicted distribution of turtle grass beds and mixed shoal grass-wigeongrass beds, with the predicted conditions based on a reduction in salinity by half, and a doubling of the variation in salinity. Figure 19 shows the current and predicted distribution of turtle grass, and Figure 20, the current and predicted occurrence of a mixed shoal grass – wigeongrass bed. Under such predicted scenario, the shoal grass –wigeongrass community "...would encroach

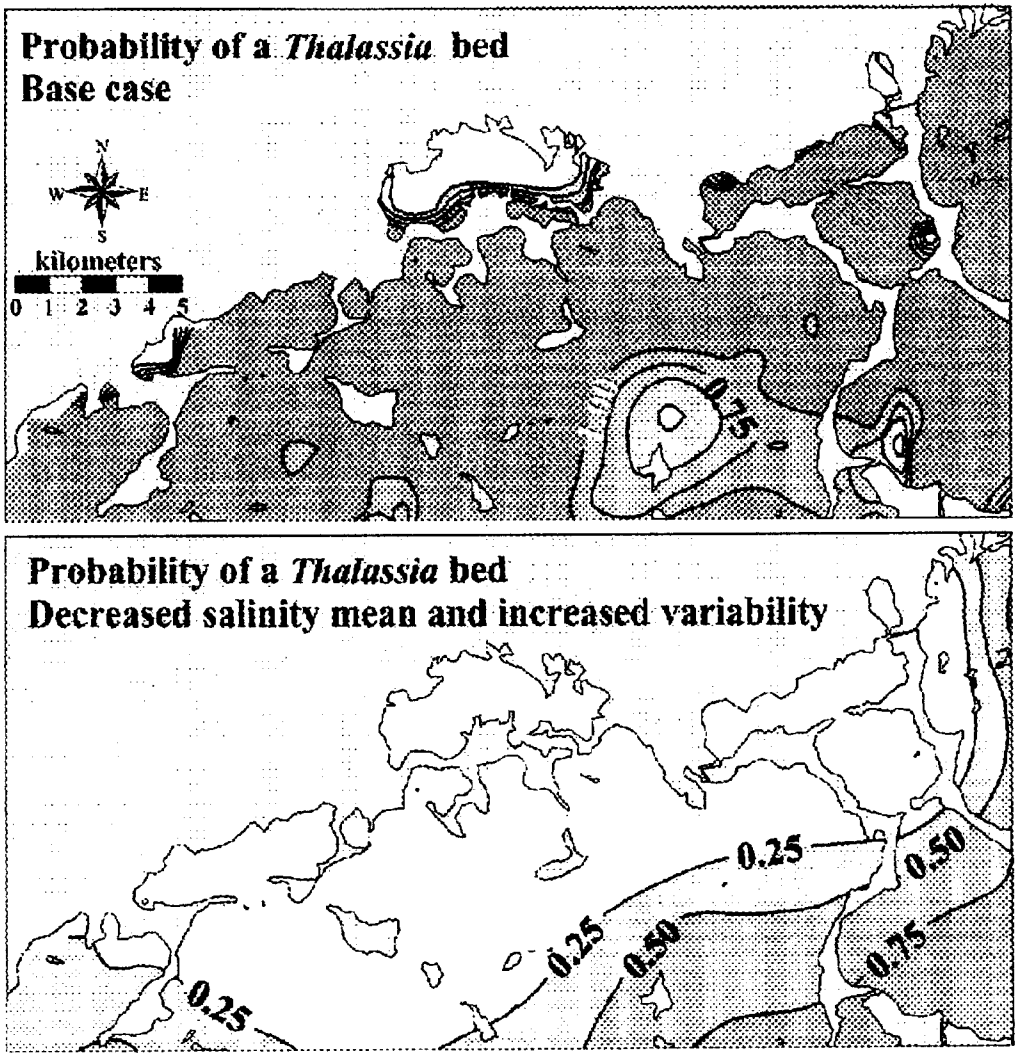

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Figure 19
Current and Predicted Distribution of Turtle Grass in Biscayne Bay

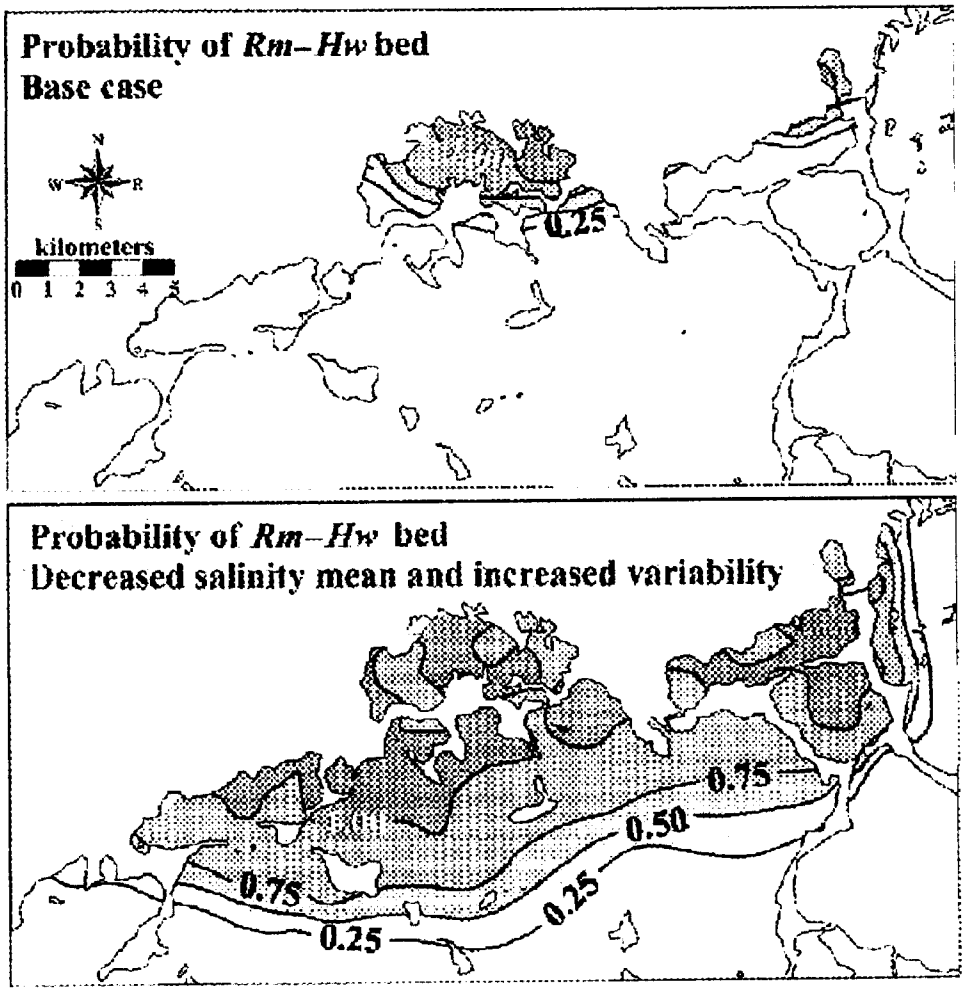

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Figure 20
Current and Predicted Mixed Shoal Grass -Widgeon Grass Bed in Biscayne Bay

outwards into Florida Bay by 5-10 km...while there would be a concomitant decrease in the current distribution of turtle grass."

Fourqurean et al (2003) further speculate that "[C]hanges in the structure of the benthic plant communities is also likely to have a large impact on the food web of Florida Bay, since the animal communities in seagrass beds in Florida Bay are affected by the species composition and density of the seagrass (Thayer and Chester 1989, Thayer et al. 1999). In addition, if the anecdotes in Zieman (1982:90-91) about the relative value of these different seagrass communities to hook-and-line fisherman are true, such a change could lead to an increase in production of sought-after game fish in Florida Bay, including seatrout (*Cynoscion nebulosus*), redfish (*Sciaenops ocellatta*) and snook (*Centropomus undecimalis*)." In this regard, it may be significant to note that spotted seatrout appear to have expanded their spawning range into central Florida Bay due perhaps to "a change from hypersaline to more normal salinities that have occurred during the decade" (Thayer et al., 1999, p. 530).

The on-going study, "Biscayne Bay Coastal and Nearshore Community Baseline Study to Develop Biological Performance Measures" has produced its first annual report (Browder et al. 2003), but it is too early in the study to draw any major conclusions. Year 1 has been devoted primarily to addressing the first of four objectives related to biological performance measures: characterization of the spatial and temporal patterns of fish and macroinvertebrate densities. As would be expected, "{D}ensities for the groups, all fish, all caridean shrimp, and all crabs, were significantly related to both salinity and habitat..." (Part 1, page 8). However, after only one year of sampling, the authors were not willing to draw any major conclusions from their data.

The questions become: (a) Which combinations of species, habitat and salinity are preferred?; (b) Has this combination been adversely impacted by historical water management practices?; and (c) Can those preferred combinations be maintained, restored and/or enhanced by modifications to the existing water management system? It is likely that the answers to questions (b) and (c) are yes. Regarding the preferred combination of species, habitat and salinity, it appears from the combined work of Fong and Hartwell (1994), Fong et al. (1997), Lirman and Cropper (2003), and Fourqurean et al. (2003) that a predictive model of what kinds of benthic habitats might result from various potential modifications to the existing water management system could be assembled and applied.

We would however caution that the epiphytic and drift algal component of the various models are the weakest portion, and they have the potential, if not accurately predicted, to result in potential negative impacts due to loading of

nitrogen to the nearshore waters of the western side of Central and South Central Biscayne Bay. Joe Boyer and Jack Meeder of FIU have indicated to the authors that they are working on a loading model to quantify the amounts of nutrients, including nitrogen and phosphorous, that might be exported from existing soils subjected to elevated water tables and therefore transfer to adjacent waters. Understanding the impacts of additional nitrogen loadings, and potentially increased ammonia loadings, should be priority research subject in combination with a joint stakeholders decision about what future conditions are desired for Biscayne Bay.

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APPENDIX A
See Enclosed Disk – Excel File

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
31.0	30-Sep-93		101	Convoy Point	25.47833	-80.32083	1993.74	BB	AS	0.74	09	1993	1993-09	0.0283	0.0228	0.0055	0.0352	0.4934	0.0635	0.4299	0.0062	0.0002	0.3208	0.9429	4.6535		29.90	29.90	27.60	27.60	5.60	5.60	1.04			176.22	907.50	22.69	81.02	81.02
31.0	30-Sep-93		102	Black Point	25.54583	-80.29467	1993.74	BB	AS	0.74	09	1993	1993-09	0.0202	0.0151	0.0051	0.0263	0.4160	0.0466	0.3695	0.0063	0.0008	0.2804	0.9750	3.5175		28.90	29.30	28.10	28.00	4.70	4.90	0.25			146.74	133.00	16.42	67.87	70.88
31.0	30-Sep-93		103	Near Black Ledge	25.57333	-80.28667	1993.74	BB	IS	0.74	09	1993	1993-09	0.0085	0.0057	0.0028	0.0211	0.3194	0.0296	0.2897	0.0065	0.0004	0.2426	0.9196	2.6750		31.60	31.60	28.10	28.10	5.40	5.50	0.56			108.62	169.20	10.07	79.32	80.79
31.0	30-Sep-93		104	BNP Marker C	25.60167	-80.22083	1993.74	BB	MAIN	0.74	09	1993	1993-09	0.0063	0.0037	0.0026	0.0202	0.1774	0.0266	0.1508	0.0053	0.0005	0.0674	1.0130	1.2425		32.60	32.60	28.60	28.60	5.00	4.90	0.69			73.45	108.43	11.00	74.22	72.73
31.0	30-Sep-93		105	Biscayne Channel	25.65417	-80.18667	1993.74	BB	MAIN	0.74	09	1993	1993-09	0.0069	0.0040	0.0029	0.0202	0.1831	0.0272	0.1559	0.0056	0.0012	0.0404	0.9152	1.3100		32.20	32.30	28.60	28.70	5.20	5.20	0.83			72.66	51.73	10.78	76.99	77.10
31.0	30-Sep-93		106	White Marker	25.63417	-80.13000	1993.74	BB	OCHAN	0.74	09	1993	1993-09	0.0054	0.0025	0.0028	0.0176	0.1536	0.0229	0.1307	0.0078	0.0005	0.0458	0.9853	1.4875		32.60	32.60	28.70	28.70	5.40	5.40	0.42			43.45	93.57	6.49	80.22	80.22
31.0	30-Sep-93		107	Fowey Rocks	25.59000	-80.10000	1993.74	BB	MAIN	0.74	09	1993	1993-09	0.0037	0.0015	0.0022	0.0137	0.1349	0.0173	0.1175	0.0053	0.0007	0.0458	0.9342	1.0650		32.60	32.60	28.70	28.70	5.30	5.20	0.19			55.84	55.00	7.17	78.74	77.25
31.0	30-Sep-93		108	Marker G-1B	25.56917	-80.19250	1993.74	BB	OCHAN	0.74	09	1993	1993-09	0.0151	0.0126	0.0025	0.0184	0.2648	0.0335	0.2313	0.0063	0.0012	0.0836	0.9648	1.2825		32.00	32.00	27.80	27.80	4.60	4.60	1.68			93.40	63.80	11.81	67.56	67.56
31.0	30-Sep-93		109	Midbay North	25.56417	-80.23500	1993.74	BB	MAIN	0.74	09	1993	1993-09	0.0066	0.0034	0.0032	0.0229	0.1700	0.0295	0.1405	0.0061	0.0014	0.0809	0.8568	1.2825		32.40	32.40	28.50	28.50	5.40	5.40	1.95			61.47	46.78	10.66	79.99	79.99
31.0	30-Sep-93		110	Fender Point	25.50500	-80.28750	1993.74	BB	IS	0.74	09	1993	1993-09	0.0237	0.0175	0.0062	0.0344	0.3179	0.0582	0.2597	0.0055	0.0013	0.1375	0.9458	2.7650		33.50	33.60	27.80	27.80	5.50	5.50	0.68			127.93	97.76	23.41	81.55	81.60
31.0	30-Sep-93		111	Featherbed Bank	25.51583	-80.24000	1993.74	BB	MAIN	0.74	09	1993	1993-09	0.0076	0.0042	0.0034	0.0262	0.1677	0.0338	0.1338	0.0075	0.0006	0.1186	0.9517	1.5875		32.90	32.90	28.30	28.30	4.10	4.10	0.77			49.39	120.88	9.97	60.82	60.82
31.0	30-Sep-93		112	Sands Cut	25.48833	-80.18833	1993.74	BB	MAIN	0.74	09	1993	1993-09	0.0049	0.0027	0.0022	0.0205	0.1840	0.0255	0.1585	0.0067	0.0009	0.2777	1.0086	1.5075		33.40	33.40	28.40	28.50	4.40	4.30	0.50			61.13	60.67	8.47	65.53	64.10
31.0	01-Oct-93		113	Elliott Key	25.44167	-80.22333	1993.75	BB	MAIN	0.75	10	1993	1993-10	0.0062	0.0027	0.0035	0.0371	0.2253	0.0433	0.1820	0.0054	0.0012	0.2470	0.9721	1.8300		34.80	34.80	27.50	27.50	5.90	5.90	0.59			91.96	77.31	17.67	87.98	87.98
31.0	01-Oct-93		114	Caesar Creek	25.38500	-80.19167	1993.75	BB	OCHAN	0.75	10	1993	1993-10	0.0024	0.0000	0.0024	0.0180	0.1137	0.0204	0.0933	0.0128	0.0022	0.1203	0.9619	0.7675		32.80	32.80	28.10	28.10	5.80	5.70	0.99			19.68	20.10	3.53	85.84	84.36
31.0	01-Oct-93		115	Adams Key	25.40417	-80.24083	1993.75	BB	MAIN	0.75	10	1993	1993-10	0.0063	0.0030	0.0033	0.0261	0.1673	0.0325	0.1348	0.0060	0.0029	0.1495	1.0145	1.3525		32.50	32.40	27.50	27.50	5.40	5.50	1.53			61.27	25.08	11.90	79.35	80.77
31.0	01-Oct-93		116	Rubicon Keys	25.40000	-80.25500	1993.75	BB	MAIN	0.75	10	1993	1993-10	0.0088	0.0054	0.0034	0.0253	0.1720	0.0341	0.1379	0.0053	0.0035	0.0943	0.9590	1.4050		33.00	33.10	27.50	27.50	5.80	5.70	1.44			71.21	21.62	14.10	85.50	84.08
31.0	01-Oct-93		117	Totten Key	25.38500	-80.26500	1993.75	BB	MAIN	0.75	10	1993	1993-10	0.0115	0.0077	0.0039	0.0267	0.1918	0.0383	0.1536	0.0050	0.0025	0.1008	1.0013	1.4700		32.70	32.70	27.50	27.50	5.70	5.70	0.20			84.32	34.16	16.82	83.87	83.87
31.0	01-Oct-93		118	Broad Creek	25.34833	-80.25500	1993.75	BB	MAIN	0.75	10	1993	1993-10	0.0048	0.0017	0.0031	0.0205	0.1658	0.0253	0.1405	0.0046	0.0006	0.1203	0.5240	1.1850		32.10	32.10	27.30	27.30	5.50	5.60	0.15			80.29	90.38	12.25	80.47	81.94
31.0	01-Oct-93		119	Pumpkin Key	25.31833	-80.30333	1993.75	BB	SCARD	0.75	10	1993	1993-10	0.0105	0.0049	0.0056	0.0565	0.3525	0.0669	0.2856	0.0078	0.0006	0.6046	1.7049	2.8050		32.10	32.10	27.80	27.80	5.70	5.60	2.52			99.72	239.00	18.93	83.77	82.30
31.0	01-Oct-93		120	Card Sound South	25.31417	-80.34333	1993.75	BB	SCARD	0.75	10	1993	1993-10	0.0089	0.0051	0.0037	0.0385	0.3992	0.0474	0.3518	0.0153	0.0024	0.7248	1.4377	4.1725		32.50	32.50	27.90	27.90	5.80	5.80	2.82			57.61	43.71	6.84	85.53	85.53
31.0	01-Oct-93		121	Card Sound North	25.35500	-80.29167	1993.75	BB	SCARD	0.75	10	1993	1993-10	0.0099	0.0062	0.0036	0.0327	0.2520	0.0426	0.2094	0.0060	0.0033	0.0780	1.0072	1.9725		32.20	32.20	27.30	27.30	6.00	6.00	1.04			92.30	28.30	15.60	87.85	87.85
31.0	01-Oct-93		122	West Arsenicker	25.42017	-80.31083	1993.75	BB	IS	0.75	10	1993	1993-10	0.0140	0.0089	0.0051	0.0391	0.3716	0.0531	0.3185	0.0047	0.0032	0.2080	0.9750	3.5925		30.20	30.40	27.40	27.40	6.40	6.50	0.40			176.97	37.02	25.30	92.60	94.17
31.0	01-Oct-93		123	Pelican Bank	25.44500	-80.28333	1993.75	BB	MAIN	0.75	10	1993	1993-10	0.0154	0.0104	0.0050	0.0330	0.2196	0.0484	0.1712	0.0043	0.0053	0.1365	1.0130	1.6425		32.70	32.70	27.60	27.60	6.50	6.50	0.10			114.06	20.04	25.15	95.73	95.73
31.0	30-Sep-93		124	Midbay South	25.47250	-80.23333	1993.74	BB	MAIN	0.74	09	1993	1993-09	0.0138	0.0093	0.0045	0.0353	0.1907	0.0491	0.1415	0.0046	0.0022	0.1051	1.1050	1.4700		34.40	34.40	28.30	28.30	5.00	5.00	0.77			92.33	50.14	23.80	74.88	74.88
31.0	01-Oct-93		125	Turkey Point	25.47000	-80.28333	1993.75	BB	TP	0.75	10	1993	1993-10	0.0138	0.0094	0.0044	0.0317	0.2032	0.0455	0.1577	0.0042	0.0029	0.1430	1.0276	1.3500		32.70	32.70	27.60	27.60	6.40	6.80	0.54			107.49	34.21	24.07	94.25	100.14
32.0	20-Oct-93		101	Convoy Point	25.47833	-80.32083	1993.80	BB	AS	0.80	10	1993	1993-10	0.8349	0.8129	0.0221	0.0992	1.2252	0.9341	0.2911	0.0173	0.0006	0.2488	0.8758	3.3235		14.70	17.90	28.30	28.00	5.80	6.50	0.94			156.97	3336.13	119.68	76.72	87.49
32.0	20-Oct-93		102	Black Point	25.54583	-80.29467	1993.80	BB	AS	0.80	10	1993	1993-10	0.2736	0.2595	0.0140	0.0380	0.6084	0.3116	0.2968	0.0086	0.0033	0.3673	0.7298	3.6350		20.20	20.10	28.30	28.30	6.60	6.70	0.40			156.59	207.05	80.21	90.38	91.69
32.0	20-Oct-93		103	Near Black Ledge	25.57333	-80.28667	1993.80	BB	IS	0.80	10	1993	1993-10	0.1554	0.1486	0.0068	0.0209	0.5050	0.1763	0.3287	0.0057	0.0034	0.2843	0.8086	2.5350		25.80	25.80	28.00	28.00	5.90	6.00	0.64			194.99	114.50	68.08	83.47	84.89
32.0	20-Oct-93		104	BNP Marker C	25.60167	-80.22083	1993.80	BB	MAIN	0.80	10	1993	1993-10	0.0084	0.0063	0.0021	0.0108	0.1737	0.0191	0.1545	0.0050	0.0022	0.0918	0.8816	0.7700		33.40	33.40	27.90	27.90	5.70	5.70	2.08			77.53	18.86	8.55	84.54	84.54
32.0	20-Oct-93		105	Biscayne Channel	25.65417	-80.18667	1993.80	BB	MAIN	0.80	10	1993	1993-10	0.0154	0.0120	0.0034	0.0179	0.2289	0.0333	0.1957	0.0045	0.0019	0.0770	0.8291	1.5400		31.90	31.90	27.90	27.90	5.70	5.70	2.72			112.78	39.58	16.38	83.74	83.74
32.0	20-Oct-93		106	White Marker	25.63417	-80.13000	1993.80	BB	OCHAN	0.80	10	1993	1993-10	0.0104	0.0084	0.0020	0.0082	0.1653	0.0186	0.1467	0.0060	0.0008	0.0652	0.9356	1.1250		33.30	33.30	28.00	28.00	6.00	5.90	1.63			60.54	53.00	6.79	89.01	87.52
32.0	20-Oct-93		107	Fowey Rocks	25.59000	-80.10000	1993.80	BB	MAIN	0.80	10	1993	1993-10	0.0022	0.0014	0.0008	0.0016	0.0974	0.0038	0.0936	0.0049	0.0004	0.0504	0.7561	0.5250		35.10	35.20	28.10	28.10	5.90	5.80	0.50			44.16	21.80	1.73	88.60	87.15
32.0	20-Oct-93		108	Marker G-1B	25.56917	-80.19250	1993.80	BB	OCHAN	0.80	10	1993	1993-10	0.0046	0.0028	0.0018	0.0077	0.1470	0.0123	0.1347	0.0057	0.0005	0.0859	0.9225	0.7550		33.70	33.70	27.60	27.60	5.40	5.40	0.64			57.54	50.29	4.82	80.03	80.03
32.0	20-Oct-93		109	Midbay North	25.56417	-80.23500	1993.80	BB	MAIN	0.80	10	1993	1993-10	0.0064	0.0040	0.0025	0.0103	0.1356	0.0167	0.1189	0.0048	0.0024	0.0859	0.8510	0.6325		33.60	33.60	28.10	28.10	5.70	5.70	0.84			62.49	15.42	7.71	84.79	84.79
32.0	20-Oct-93		110	Fender Point	25.50500	-80.28750	1993.80	BB	IS	0.80	10	1993	1993-10	0.2018	0.1907	0.0111	0.0403	0.4799	0.2421	0.2378	0.0058	0.0036	0.2103	0.7970	2.3225		25.30	25.30	28.10	28.10	6.20	6.20	1.34			182.82	150.39	92.24	87.52	87.52
32.0	20-Oct-93		111	Featherbed Bank	25.51583	-80.24000	1993.80	BB	MAIN	0.80	10	1993	1993-10	0.0078	0.0047	0.0031	0.0145	0.1819	0.0223	0.1596	0.0044	0.0026	0.1303	0.8641	0.8950		32.70	32.70	27.80	27.80	5.50	5.50	2.43			91.18	18.71	11.16	81.14	81.14
32.0	20-Oct-93		112	Sands Cut	25.48833	-80.18833	1993.80	BB	MAIN	0.80	10	1993	1993-10	0.0038	0.0026	0.0012	0.0121	0.1476	0.0160	0.1317	0.0050	0.0016	0.0889	0.8962	0.7450		33.30	33.30	28.00	28.00	5.60	5.50	0.40			64.89	21.71	7.02	83.07	81.59
32.0	21-Oct-93		113	Elliott Key	25.44167	-80.22333	1993.80	BB	MAIN	0.80	10	1993	1993-10	0.0112	0.0086	0.0026	0.0440	0.2207	0.0552	0.1655	0.0040	0.0009	0.1273	0.8772	1.5065		31.90	32.00	27.90	27.90	5.90	6.10	0.89			123.63	143.36	30.92	86.68	89.67
32.0	21-Oct-93		114	Caesar Creek	25.38500	-80.19167	1993.80	BB	OCHAN	0.80	10	1993	1993-10	0.0026	0.0011	0.0014	0.0078	0.1788	0.0104	0.1684	0.0067	0.0002	0.1485	0.8626	0.9260		33.00	32.90	28.10	28.10	5.50	5.60	0.69			58.71	98.67	3.40	81.51	82.94
32.0	21-Oct-93		115	Adams Key	25.40417	-80.24083	1993.80	BB	MAIN	0.80	10	1993	1993-10	0.0182	0.0153	0.0029	0.0130	0.2099	0.0312	0.1787	0.0053	0.0001	0.1061	0.7240	1.3465		32.20	32.20	28.00	28.00	5.50	5.60	0.50			86.90	891.00	12.91	81.03	82.50
32.0	21-Oct-93		116	Rubicon Keys	25.40000	-80.25500	1993.80	BB	MAIN	0.80	10	1993	1993-10	0.0228	0.0167	0.0062	0.0678	0.2160	0.0906	0.1255	0.0055	0.0031	0.1213	0.8451	1.4853		32.20	32.20	28.00	28.00	5.80	5.90	0.54			86.93	64.70	36.45	85.45	86.92
32.0	21-Oct-93		117	Totten Key	25.38500	-80.26500	1993.80	BB	MAIN	0.80	10	1993	1993-10	0.0313	0.0255	0.0058	0.0735	0.2734	0.1048	0.1686	0.0052	0.0013	0.1485	0.8977	2.1840		31.80	31.80	28.00	28.00	5.60	5.50	0.50			116.59	176.06	44.67	82.29	80.82
32.0	21-Oct-93		118	Broad Creek	25.34833	-80.25500	1993.80	BB	MAIN	0.80	10	1993	1993-10	0.0091	0.0061	0.0030	0.0115	0.1898	0.0206	0.1692	0.0050	0.0001	0.1940	0.8554	1.7200		32.10	32.10	28.30	28.30	5.60	5.80	0.45			84.72	588.00	9.19	82.66	85.61
32.0	21-Oct-93		119	Pumpkin Key	25.31833	-80.30333	1993.80	BB	SCARD	0.80	10	1993	1993-10	0.0324	0.0182	0.0142	0.0419	0.4083	0.0743	0.3339	0.0064	0.0013	0.5942	1.0203	4.4178		31.20	31.20	28.30	28.30	5.80	5.90	0.69			140.54	124.94	25.59	85.12	86.59
32.0	21-Oct-93		120	Card Sound South	25.31417	-80.34333	1993.80	BB	SCARD	0.80	10	1993	1993-10	0.0415	0.0314	0.0101	0.0580	0.4550	0.0995	0.3555	0.0075	0.0013	0.3001	0.8845	3.9648		29.10	29.10	28.20	28.20	5.70	5.60	0.69			134.02	167.24	29.31	82.49	81.04
32.0	21-Oct-93		121	Card Sound North	25.35500	-80.29167	1993.80	BB	SCARD	0.80	10	1993	1993-10	0.0502	0.0435	0.0067	0.0402	0.3645	0.0904	0.2741	0.0055	0.0009	0.2243	0.9677	2.7740		31.40	31.50	28.30	28.20	5.90	5.90	0.50			146.68	234.82	36.38	86.70	86.68
32.0	21-Oct-93		122	West Arsenicker	25.42017	-80.31083	1993.80	BB	IS	0.80	10	1993	1993-10	0.0140	0.0097	0.0043	0.0155	0.3094	0.0295	0.2800	0.0056	0.0005	0.3062	0.9269	2.5360		29.50	29.50	28.00	28.00	6.10	6.40	0.30			122.79	140.33	11.69	88.34	92.69
32.0	21-Oct-93		123	Pelican Bank	25.44500	-80.28333	1993.80	BB	MAIN	0.80	10	1993	1993-10	0.0538	0.0457	0.0081	0.0239	0.3073	0.0777	0.2296	0.0055	0.0001	0.2122	0.8612	2.0078		29.30	29.30	28.00	28.00	6.00	6.20	0.45			123.67	2221.00	31.28	86.79	89.68
32.0	20-Oct-93		124	Midbay South	25.47250	-80.23333	1993.80	BB	MAIN	0.80	10	1993	1993-10	0.0108	0.0068	0.0040	0.0386	0.2255	0.0494	0.1761	0.0050	0.0005	0.1807	0.8276	1.1825		33.00	33.00	27.90	28.00	6.20	6.00	0.99			100.65	235.00	22.03	91.72	88.84
32.0	21-Oct-93		125	Turkey Point	25.47000	-80.28333	1993.80	BB	TP	0.80	10	1993	1993-10	0.0569	0.0459	0.0110	0.0328	0.3344	0.0897	0.2447	0.0057	0.0020	0.2001	0.9458	2.2518		28.40	28.30	27.90	27.90	6.10	6.30	0.59			130.87	98.54	35.10	87.66	90.47
33.0	16-Nov-93		101	Convoy Point	25.47833	-80.32083	1993.87	BB	AS	0.87	11	1993	1993-11	0.0019	0.0015	0.0004	0.0017	0.8282	0.0036	0.8246	0.0070	0.0002	0.9655	0.6320	4.3188		12.90	12.90	26.50	26.50	9.30	9.30	0.35			262.92	34.00	1.13	119.49	119.49
33.0	16-Nov-93		102	Black Point	25.54583	-80.29467	1993.87	BB	AS	0.87	11	1993	1993-11	0.0042	0.0021	0.0021	0.0099	0.3739	0.0141	0.3598	0.0080	0.0020	0.4714	0.7138	4.3315		22.30	22.30	26.30	26.30	8.00	7.90	0.15			103.72	15.46	3.90	108.91	107.55
33.0	16-Nov-93		103	Near Black Ledge	25.57333	-80.28667	1993.87	BB	IS	0.87	11	1993	1993-11	0.0038	0.0026	0.0012	0.0090	0.3374	0.0128	0.3246	0.0050	0.0012	0.4333	0.5328	3.1603		25.90	25.90	26.30	26.30	7.50	7.50	0.50			148.31	24.40	5.63	104.48	104.48
33.0	16-Nov-93		104	BNP Marker C	25.60167	-80.22083	1993.87	BB	MAIN	0.87	11	1993	1993-11	0.0216	0.0186	0.0030	0.0195	0.2306	0.0412	0.1894	0.0048	0.0006	0.1026	0.5853	1.2360		32.10	32.10	25.90	25.90	6.40	6.40	0.64			106.26	147.00	18.97	92.39	92.39
33.0	16-Nov-93		105	Biscayne Channel	25.65417	-80.18667	1993.87	BB	MAIN	0.87	11	1993	1993-11	0.0077	0.0055	0.0022	0.0120	0.2342	0.0198	0.2144	0.0054	0.0009	0.1102	0.7794	1.4458		31.40	31.50	25.70	25.70	6.20	6.20	0.84			95.59	51.36	8.07	88.92	88.98
33.0	16-Nov-93		106	White Marker	25.63417	-80.13000	1993.87	BB	OCHAN	0.87	11	1993	1993-11	0.0019	0.0010	0.0009	0.0062	0.1480	0.0081	0.1399	0.0064	0.0009	0.2661	1.0276	0.7860		34.30	34.30	26.30	26.30	6.20	6.10	0.64			51.57	21.00	2.82	91.13	89.66
33.0	16-Nov-93		107	Fowey Rocks	25.59000	-80.10000	1993.87	BB	MAIN	0.87	11	1993	1993-11	0.0037	0.0025	0.0012	0.0077	0.1236	0.0115	0.1121	0.0051	0.0022	0.1216	0.7050	0.3255		34.90	34.90	26.50	26.50	6.10	6.30	0.25			53.50	11.71	4.97	90.18	93.14
33.0	16-Nov-93		108	Marker G-1B	25.56917	-80.19250	1993.87	BB	OCHAN	0.87	11	1993	1993-11	0.0028	0.0012	0.0016	0.0075	0.1609	0.0103	0.1506	0.0052	0.0010	0.1140	0.5620	0.8083		33.70	33.70	26.00	26.10	6.70	6.60	0.50			68.60	22.54	4.37	97.81	96.45
33.0	16-Nov-93		109	Midbay North	25.56417	-80.23500	1993.87	BB	MAIN	0.87	11	1993	1993-11	0.0072	0.0042	0.0030	0.0141	0.1968	0.0214	0.1754	0.0053	0.0007	0.0836	0.7357	1.1258		32.70	32.80	26.00	26.00	6.50	6.50	0.69			81.50	67.89	8.86	94.29	94.35
33.0	16-Nov-93		110	Fender Point	25.50500	-80.28750	1993.87	BB	IS	0.87	11	1993	1993-11	0.0621	0.0556	0.0065	0.0184	0.3190	0.0805	0.2384	0.0060	0.0012	0.2357	0.4977	2.0033		26.90	26.80	26.50	26.50	7.90	7.30	0.45			118.36	153.40	29.88	110.98	102.49
33.0	16-Nov-93		111	Featherbed Bank	25.51583	-80.24000	1993.87	BB	MAIN	0.87	11	1993	1993-11	0.0035	0.0012	0.0023	0.0084	0.1611	0.0119	0.1492	0.0040	0.0012	0.1216	0.8028	1.0170		33.70	33.70	26.10	26.10	6.50	6.60	0.50			90.24	22.67	6.67	94.99	96.45
33.0	16-Nov-93		112	Sands Cut	25.48833	-80.18833	1993.87	BB	MAIN	0.87	11	1993	1993-11	0.0019	0.0000	0.0019	0.0074	0.1842	0.0093	0.1750	0.0045	0.0016	0.1901	0.7225	1.2245		33.60	33.60	25.70	25.70	6.20	6.20	0.69			90.76	13.25	4.57	90.18	90.18
33.0	17-Nov-93		113	Elliott Key	25.44167	-80.22333	1993.88	BB	MAIN	0.88	11	1993	1993-11	0.0333	0.0294	0.0039	0.0378	0.2587	0.0711	0.1876	0.0053	0.0012	0.2280	0.6393	2.0273		31.00	31.00	25.40	25.40	6.30	6.30	2.23			107.10	126.94	29.43	89.84	89.84
33.0	17-Nov-93		114	Caesar Creek	25.38500	-80.19167	1993.88	BB	OCHAN	0.88	11	1993	1993-11	0.0039	0.0017	0.0022	0.0074	0.1520	0.0112	0.1408	0.0057	0.0008	0.1249	0.7517	1.0558		34.10	34.10	25.60	25.60	5.80	5.60	7.62			59.49	32.00	4.38	84.55	81.63
33.0	17-Nov-93		115	Adams Key	25.40417	-80.24083	1993.88	BB	MAIN	0.88	11	1993	1993-11	0.0214	0.0173	0.0040	0.0141	0.2100	0.0355	0.1745	0.0043	0.0006	0.1499	0.6627	1.4903		32.00	32.00	25.40	25.40	5.70	5.70	0.68			109.07	126.63	18.42	81.81	81.81
33.0	17-Nov-93		116	Rubicon Keys	25.40000	-80.25500	1993.88	BB	MAIN	0.88	11	1993	1993-11	0.0190	0.0153	0.0037	0.0170	0.2206	0.0360	0.1846	0.0045	0.0009	0.1249	0.6817	1.5478		31.80	31.70	25.50	25.60	5.80	5.70	0.66			108.68	93.55	17.74	83.22	81.82
33.0	17-Nov-93		117	Totten Key	25.38500	-80.26500	1993.88	BB	MAIN	0.88	11	1993	1993-11	0.0170	0.0124	0.0047	0.0206	0.2871	0.0376	0.2495	0.0047	0.0009	0.1562	0.4715	2.0235		31.60	31.60	25.40	25.40	5.80	5.90	1.63			136.71	97.73	17.92	83.03	84.46
33.0	17-Nov-93		118	Broad Creek	25.34833	-80.25500	1993.88	BB	MAIN	0.88	11	1993	1993-11	0.0102	0.0062	0.0039	0.0116	0.2227	0.0217	0.2009	0.0043	0.0005	0.1811	0.7590	1.6225		32.10	32.20	25.40	25.40	5.40	5.60	2.28			115.68	103.50	11.29	77.55	80.48
33.0	17-Nov-93		119	Pumpkin Key	25.31833	-80.30333	1993.88	BB	SCARD	0.88	11	1993	1993-11	0.0556	0.0422	0.0134	0.0499	0.4777	0.1055	0.3722	0.0066	0.0010	0.8308	1.3137	4.6208		30.30	30.30	25.90	25.90	6.00	6.00	1.88			160.58	231.85	35.46	85.62	85.62
33.0	17-Nov-93		120	Card Sound South	25.31417	-80.34333	1993.88	BB	SCARD	0.88	11	1993	1993-11	0.0454	0.0339	0.0114	0.0506	0.4015	0.0959	0.3055	0.0062	0.0013	0.1936	0.8320	3.6388		28.30	28.30	25.60	25.60	5.80	5.70	1.34			143.39	161.24	34.26	81.46	80.06
33.0	17-Nov-93		121	Card Sound North	25.35500	-80.29167	1993.88	BB	SCARD	0.88	11	1993	1993-11	0.0443	0.0362	0.0081	0.0354	0.3408	0.0797	0.2611	0.0060	0.0012	0.1624	0.9531	2.9308		31.50	31.50	25.90	25.90	6.20	6.20	1.04			124.82	151.80	29.19	89.16	89.16
33.0	17-Nov-93		122	West Arsenicker	25.42017	-80.31083	1993.88	BB	IS	0.88	11	1993	1993-11	0.0041	0.0002	0.0039	0.0126	0.2769	0.0167	0.2602	0.0064	0.0012	0.4466	0.8276	2.8550		27.50	27.50	25.60	25.60	6.40	6.30	0.38			95.32	29.81	5.75	89.43	88.03
33.0	17-Nov-93		123	Pelican Bank	25.44500	-80.28333	1993.88	BB	MAIN	0.88	11	1993	1993-11	0.0570	0.0469	0.0101	0.0236	0.3219	0.0806	0.2413	0.0061	0.0014	0.2655	0.4861	2.4900		27.60	27.60	25.00	25.30	5.70	5.70	1.68			116.41	127.89	29.14	79.18	79.44
33.0	16-Nov-93		124	Midbay South	25.47250	-80.23333	1993.87	BB	MAIN	0.87	11	1993	1993-11	0.0208	0.0151	0.0057	0.0305	0.3398	0.0513	0.2886	0.0062	0.0008	0.2509	0.7838	1.4603		31.70	31.70	25.70	25.70	6.60	6.50	0.50			121.37	146.50	18.31	94.84	93.40
33.0	16-Nov-93		125	Turkey Point	25.47000	-80.28333	1993.87	BB	TP	0.87	11	1993	1993-11	0.0624	0.0515	0.0109	0.0241	0.2717	0.0865	0.1853	0.0050	0.0003	0.2661	0.7430	2.0498		27.50	27.50	25.80	25.80	6.30	6.30	0.25			121.31	617.50	38.59	88.21	88.21
34.0	14-Dec-93		101	Convoy Point	25.47833	-80.32083	1993.95	BB	AS	0.95	12	1993	1993-12	0.0877	0.0832	0.0045	0.0295	0.3378	0.1173	0.2205	0.0070	0.0013	0.1841	0.8305	4.4778		26.80	27.00	20.40	20.40	8.70	8.60	0.50			107.22	197.12	37.23	113.38	112.23
34.0	14-Dec-93		102	Black Point	25.54583	-80.29467	1993.95	BB	AS	0.95	12	1993	1993-12	0.0033	0.0012	0.0020	0.0183	0.3221	0.0215	0.3005	0.0063	0.0007	0.2256	0.9400	4.6343		29.80	29.80	20.10	20.10	8.60	8.70	0.50			113.61	68.33	7.59	113.83	115.16
34.0	14-Dec-93		103	Near Black Ledge	25.57333	-80.28667	1993.95	BB	IS	0.95	12	1993	1993-12	0.0034	0.0017	0.0017	0.0153	0.2404	0.0187	0.2217	0.0052	0.0005	0.1167	0.8568	2.6618		32.90	32.90	20.60	20.60	7.90	7.90	0.51			102.52	76.29	7.97	107.52	107.52
34.0	14-Dec-93		104	BNP Marker C	25.60167	-80.22083	1993.95	BB	MAIN	0.95	12	1993	1993-12	0.0045	0.0025	0.0020	0.0163	0.1578	0.0208	0.1370	0.0057	0.0008	0.0700	0.9269	1.5413		34.70	34.70	20.10	20.00	6.70	6.60	0.95			61.77	59.50	8.15	91.62	90.13
34.0	14-Dec-93		105	Biscayne Channel	25.65417	-80.18667	1993.95	BB	MAIN	0.95	12	1993	1993-12	0.0047	0.0024	0.0023	0.0209	0.1659	0.0257	0.1403	0.0050	0.0008	0.0726	0.9999	1.3438		35.20	35.20	20.70	20.60	6.40	6.30	1.36			74.07	73.30	11.45	88.56	87.06
34.0	14-Dec-93		106	White Marker	25.63417	-80.13000	1993.95	BB	OCHAN	0.95	12	1993	1993-12	0.0021	0.0003	0.0018	0.0145	0.1200	0.0166	0.1034	0.0050	0.0009	0.0337	1.0203	0.7525		36.30	36.40	23.90	23.90	6.60	6.60	0.30			52.77	39.58	7.31	95.80	95.87
34.0	14-Dec-93		107	Fowey Rocks	25.59000	-80.10000	1993.95	BB	MAIN	0.95	12	1993	1993-12	0.0030	0.0012	0.0018	0.0193	0.1096	0.0223	0.0873	0.0043	0.0012	0.0078	0.9458	0.6283		36.50	36.50	25.30	25.30	6.40	6.30	0.09			55.90	39.81	11.38	94.45	92.98
34.0	14-Dec-93		108	Marker G-1B	25.56917	-80.19250	1993.95	BB	OCHAN	0.95	12	1993	1993-12	0.0030	0.0013	0.0018	0.0135	0.1337	0.0166	0.1172	0.0050	0.0010	0.0674	0.9999	1.2385		35.60	35.60	20.60	20.60	6.70	6.70	1.14			58.78	36.38	7.28	92.83	92.83
34.0	14-Dec-93		109	Midbay North	25.56417	-80.23500	1993.95	BB	MAIN	0.95	12	1993	1993-12	0.0072	0.0045	0.0028	0.0219	0.1508	0.0292	0.1217	0.0046	0.0008	0.0752	0.9079	1.4440		34.90	34.90	20.60	20.60	7.00	7.00	1.10			73.03	83.30	14.12	96.54	96.54
34.0	14-Dec-93		110	Fender Point	25.50500	-80.28750	1993.95	BB	IS	0.95	12	1993	1993-12	0.0298	0.0263	0.0035	0.0319	0.2910	0.0616	0.2293	0.0042	0.0005	0.1945	0.8743	2.9410		29.70	29.70	20.20	20.20	7.90	7.90	0.88			153.96	251.57	32.61	104.65	104.65
34.0	14-Dec-93		111	Featherbed Bank	25.51583	-80.24000	1993.95	BB	MAIN	0.95	12	1993	1993-12	0.0034	0.0012	0.0022	0.0180	0.1329	0.0214	0.1115	0.0046	0.0012	0.0674	0.9050	1.7320		35.50	35.50	19.60	19.60	7.00	6.90	0.76			64.36	38.19	10.36	95.54	94.17
34.0	14-Dec-93		112	Sands Cut	25.48833	-80.18833	1993.95	BB	MAIN	0.95	12	1993	1993-12	0.0026	0.0006	0.0020	0.0171	0.1252	0.0197	0.1055	0.0057	0.0004	0.0571	0.9984	1.3030		35.80	35.70	19.90	19.90	6.20	6.10	0.68			49.01	112.80	7.73	85.16	83.73
34.0	15-Dec-93		113	Elliott Key	25.44167	-80.22333	1993.95	BB	MAIN	0.95	12	1993	1993-12	0.0114	0.0086	0.0029	0.0324	0.1665	0.0439	0.1226	0.0044	0.0008	0.1184	0.8057	1.5888		34.70	34.70	20.20	20.20	6.80	6.80	0.45			83.46	125.40	22.00	93.13	93.13
34.0	15-Dec-93		114	Caesar Creek	25.38500	-80.19167	1993.95	BB	OCHAN	0.95	12	1993	1993-12	0.0041	0.0019	0.0022	0.0207	0.1165	0.0248	0.0917	0.0047	0.0019	0.1146	0.8597	0.9175		36.10	36.10	21.30	21.30	6.60	6.40	1.04			54.55	28.32	11.61	92.63	89.83
34.0	15-Dec-93		115	Adams Key	25.40417	-80.24083	1993.95	BB	MAIN	0.95	12	1993	1993-12	0.0118	0.0092	0.0027	0.0299	0.1404	0.0417	0.0987	0.0053	0.0018	0.1604	0.8247	1.6888		34.70	34.70	20.50	20.40	6.60	6.70	1.78			58.13	51.83	17.28	90.77	92.02
34.0	15-Dec-93		116	Rubicon Keys	25.40000	-80.25500	1993.95	BB	MAIN	0.95	12	1993	1993-12	0.0076	0.0048	0.0028	0.0261	0.1745	0.0337	0.1408	0.0048	0.0010	0.1527	0.6817	1.6913		34.40	34.40	20.60	20.50	6.60	6.60	0.89			80.42	74.15	15.55	90.72	90.59
34.0	15-Dec-93		117	Totten Key	25.38500	-80.26500	1993.95	BB	MAIN	0.95	12	1993	1993-12	0.0208	0.0175	0.0033	0.0345	0.2145	0.0553	0.1592	0.0054	0.0011	0.1146	0.7123	2.0965		32.50	32.50	20.20	20.20	6.90	6.80	0.50			87.54	112.86	22.57	93.12	91.77
34.0	15-Dec-93		118	Broad Creek	25.34833	-80.25500	1993.95	BB	MAIN	0.95	12	1993	1993-12	0.0057	0.0033	0.0025	0.0211	0.2090	0.0269	0.1821	0.0051	0.0006	0.0916	0.7313	1.4313		34.60	34.60	20.70	20.70	6.60	6.50	0.54			90.48	96.00	11.64	90.97	89.59
34.0	15-Dec-93		119	Pumpkin Key	25.31833	-80.30333	1993.95	BB	SCARD	0.95	12	1993	1993-12	0.0305	0.0265	0.0040	0.0367	0.3359	0.0672	0.2688	0.0060	0.0004	0.8171	1.2947	3.2605		31.90	31.90	20.60	20.60	7.00	7.00	2.13			123.05	383.80	24.60	94.64	94.64
34.0	15-Dec-93		120	Card Sound South	25.31417	-80.34333	1993.95	BB	SCARD	0.95	12	1993	1993-12	0.0383	0.0327	0.0057	0.0639	0.3053	0.1022	0.2031	0.0049	0.0063	0.2215	0.7619	2.9225		31.40	31.40	21.00	21.00	6.80	6.90	0.74			138.46	36.05	46.35	92.14	93.50
34.0	15-Dec-93		121	Card Sound North	25.35500	-80.29167	1993.95	BB	SCARD	0.95	12	1993	1993-12	0.0146	0.0112	0.0034	0.0339	0.2275	0.0485	0.1791	0.0047	0.0005	0.1069	0.8145	1.9683		32.90	32.90	20.50	20.50	7.10	7.10	0.50			108.35	230.83	23.08	96.49	96.49
34.0	15-Dec-93		122	West Arsenicker	25.42017	-80.31083	1993.95	BB	IS	0.95	12	1993	1993-12	0.0058	0.0032	0.0026	0.0297	0.2732	0.0355	0.2378	0.0050	0.0003	0.3284	0.9604	2.7288		30.10	30.10	20.60	20.60	7.80	7.80	0.20			120.09	253.25	15.58	104.20	104.20
34.0	15-Dec-93		123	Pelican Bank	25.44500	-80.28333	1993.95	BB	MAIN	0.95	12	1993	1993-12	0.0244	0.0208	0.0036	0.0402	0.2649	0.0646	0.2003	0.0043	0.0012	0.1566	0.7882	2.0913		31.50	31.70	20.10	20.10	7.30	7.30	0.20			137.60	123.00	33.55	97.73	97.86
34.0	14-Dec-93		124	Midbay South	25.47250	-80.23333	1993.95	BB	MAIN	0.95	12	1993	1993-12	0.0048	0.0017	0.0031	0.0305	0.2717	0.0353	0.2364	0.0042	0.0012	0.0804	0.7911	1.4468		35.10	35.10	20.10	20.10	6.90	6.80	0.64			143.74	67.20	18.67	94.61	93.24
34.0	14-Dec-93		125	Turkey Point	25.47000	-80.28333	1993.95	BB	TP	0.95	12	1993	1993-12	0.0195	0.0160	0.0035	0.0369	0.3009	0.0564	0.2446	0.0035	0.0012	0.1115	0.8189	1.8395		32.40	32.50	19.90	19.90	7.00	7.00	0.44			191.07	107.40	35.80	94.00	94.06

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
35.0	26-Jan-94		101	Convoy Point	25.47833	-80.32083	1994.07	BB	AS	0.07	01	1994	1994-01	0.0046	0.0039	0.0008	0.0083	0.7246	0.0129	0.7117	0.0105	0.0003	0.3650	0.8772	4.3050		16.90	20.60	22.60	22.50	8.00	10.50	0.64			152.22	92.00	2.71	100.71	135.24
35.0	26-Jan-94		102	Black Point	25.54583	-80.29467	1994.07	BB	AS	0.07	01	1994	1994-01	0.0059	0.0050	0.0009	0.0074	0.2666	0.0132	0.2534	0.0057	0.0006	0.3279	0.7430	2.7800		31.10	31.00	22.00	22.00	7.80	7.80	0.20			102.94	47.25	5.11	106.92	106.85
35.0	26-Jan-94		103	Near Black Ledge	25.57333	-80.28667	1994.07	BB	IS	0.07	01	1994	1994-01	0.0060	0.0050	0.0009	0.0087	0.1959	0.0147	0.1812	0.0060	0.0002	0.1198	0.7751	1.9200		33.10	33.10	21.50	21.50	7.30	7.30	0.45			72.68	139.67	5.44	100.72	100.72
35.0	26-Jan-94		104	BNP Marker C	25.60167	-80.22083	1994.07	BB	MAIN	0.07	01	1994	1994-01	0.0089	0.0075	0.0013	0.0118	0.2026	0.0207	0.1819	0.0067	0.0002	0.1084	0.7254	1.5225		34.20	34.20	20.30	20.30	7.00	7.00	0.84			66.53	197.00	6.79	95.68	95.68
35.0	26-Jan-94		105	Biscayne Channel	25.65417	-80.18667	1994.07	BB	MAIN	0.07	01	1994	1994-01	0.0060	0.0048	0.0012	0.0112	0.1799	0.0172	0.1627	0.0058	0.0001	0.1141	0.8043	1.4275		34.10	34.10	20.60	20.50	6.70	6.70	2.03			68.54	492.00	6.56	91.91	91.78
35.0	26-Jan-94		106	White Marker	25.63417	-80.13000	1994.07	BB	OCHAN	0.07	01	1994	1994-01	0.0006	0.0000	0.0006	0.0070	0.1252	0.0076	0.1176	0.0058	0.0004	0.0428	0.9619	0.5175		35.40	35.40	23.00	23.10	6.80	6.60	0.30			47.69	43.60	2.91	97.09	94.35
35.0	26-Jan-94		107	Fowey Rocks	25.59000	-80.10000	1994.07	BB	MAIN	0.07	01	1994	1994-01	0.0021	0.0014	0.0007	0.0082	0.1335	0.0102	0.1233	0.0053	0.0010	0.0428	0.7430	0.7475		35.40	35.40	24.00	24.00	6.60	6.50	0.69			55.30	22.46	4.23	95.35	93.91
35.0	26-Jan-94		108	Marker G-1B	25.56917	-80.19250	1994.07	BB	OCHAN	0.07	01	1994	1994-01	0.0019	0.0012	0.0008	0.0083	0.1371	0.0103	0.1269	0.0073	0.0002	0.0912	0.7386	0.7300		35.10	35.10	21.30	21.20	6.70	6.60	0.94			41.68	97.67	3.12	93.42	91.90
35.0	26-Jan-94		109	Midbay North	25.56417	-80.23500	1994.07	BB	MAIN	0.07	01	1994	1994-01	0.0058	0.0043	0.0015	0.0155	0.1560	0.0212	0.1348	0.0053	0.0000	0.1055	0.8364	1.1725		34.00	34.10	20.80	20.70	6.80	6.90	2.33			64.60		8.80	93.48	94.79
35.0	26-Jan-94		110	Fender Point	25.50500	-80.28750	1994.07	BB	IS	0.07	01	1994	1994-01	0.0074	0.0059	0.0014	0.0140	0.2884	0.0214	0.2670	0.0063	0.0001	0.4705	0.7678	2.8225		29.10	29.10	22.20	22.10	7.60	7.80	0.89			101.73	611.00	7.54	103.09	105.66
35.0	26-Jan-94		111	Featherbed Bank	25.51583	-80.24000	1994.07	BB	MAIN	0.07	01	1994	1994-01	0.0009	0.0000	0.0009	0.0111	0.1560	0.0120	0.1440	0.0050	0.0000	0.1312	0.8218	1.1350		34.50	34.50	20.50	20.40	6.80	6.70	1.09			68.57		5.29	93.40	91.90
35.0	26-Jan-94		112	Sands Cut	25.48833	-80.18833	1994.07	BB	MAIN	0.07	01	1994	1994-01	0.0008	0.0000	0.0008	0.0097	0.1630	0.0104	0.1526	0.0050	0.0002	0.1161	0.5094	1.0475		34.80	34.80	20.70	20.60	6.70	6.70	0.64			71.65	149.00	4.58	92.47	92.34
35.0	27-Jan-94		113	Elliott Key	25.44167	-80.22333	1994.07	BB	MAIN	0.07	01	1994	1994-01	0.0025	0.0015	0.0010	0.0147	0.1570	0.0173	0.1397	0.0050	0.0001	0.0782	0.6495	1.4355		34.70	34.70	21.50	21.50	6.80	6.80	0.35			69.00	493.00	7.58	94.82	94.82
35.0	27-Jan-94		114	Caesar Creek	25.38500	-80.19167	1994.07	BB	OCHAN	0.07	01	1994	1994-01	0.0018	0.0008	0.0010	0.0101	0.1318	0.0118	0.1200	0.0087	0.0003	0.1002	0.8101	1.0535		35.10	35.20	22.20	22.20	6.70	6.70	2.33			33.63	84.50	3.02	94.53	94.59
35.0	27-Jan-94		115	Adams Key	25.40417	-80.24083	1994.07	BB	MAIN	0.07	01	1994	1994-01	0.0058	0.0045	0.0014	0.0124	0.1867	0.0183	0.1685	0.0060	0.0001	0.1002	0.7619	1.2145		34.70	34.70	21.80	21.80	6.40	6.40	1.73			68.40	522.00	6.69	89.59	89.59
35.0	27-Jan-94		116	Rubicon Keys	25.40000	-80.25500	1994.07	BB	MAIN	0.07	01	1994	1994-01	0.0066	0.0053	0.0013	0.0124	0.1629	0.0189	0.1440	0.0046	0.0001	0.0758	0.8072	1.1720		34.70	34.70	22.00	22.00	6.30	6.40	0.69			78.90	541.00	9.17	88.43	89.83
35.0	27-Jan-94		117	Totten Key	25.38500	-80.26500	1994.07	BB	MAIN	0.07	01	1994	1994-01	0.0044	0.0031	0.0013	0.0142	0.1735	0.0186	0.1550	0.0044	0.0006	0.1100	0.8291	1.3758		34.60	34.70	21.90	21.90	6.80	6.80	0.54			86.99	66.38	9.32	95.26	95.32
35.0	27-Jan-94		118	Broad Creek	25.34833	-80.25500	1994.07	BB	MAIN	0.07	01	1994	1994-01	0.0051	0.0037	0.0014	0.0121	0.1722	0.0172	0.1551	0.0058	0.0009	0.1393	1.0553	1.3663		34.50	34.50	21.40	21.50	6.70	6.80	2.97			65.62	40.83	6.53	93.18	94.69
35.0	27-Jan-94		119	Pumpkin Key	25.31833	-80.30333	1994.07	BB	SCARD	0.07	01	1994	1994-01	0.0198	0.0175	0.0023	0.0269	0.3037	0.0467	0.2571	0.0055	0.0009	0.2175	0.9531	3.0208		32.30	32.30	21.60	21.60	6.90	7.00	0.59			122.23	121.18	18.77	94.83	96.20
35.0	27-Jan-94		120	Card Sound South	25.31417	-80.34333	1994.07	BB	SCARD	0.07	01	1994	1994-01	0.0353	0.0329	0.0023	0.0300	0.2674	0.0653	0.2021	0.0044	0.0007	0.0831	0.4729	2.6203		30.50	30.40	22.10	22.10	7.00	7.00	0.50			134.04	207.33	32.74	95.70	95.64
35.0	27-Jan-94		121	Card Sound North	25.35500	-80.29167	1994.07	BB	SCARD	0.07	01	1994	1994-01	0.0067	0.0051	0.0016	0.0150	0.1894	0.0217	0.1676	0.0058	0.0004	0.1002	0.9517	1.9780		33.80	33.60	22.00	22.00	6.30	6.30	0.94			72.14	124.20	8.28	87.90	87.79
35.0	27-Jan-94		122	West Arsenicker	25.42017	-80.31083	1994.07	BB	IS	0.07	01	1994	1994-01	0.0874	0.0843	0.0031	0.0271	0.3359	0.1146	0.2213	0.0061	0.0014	0.2126	0.8889	2.5480		27.30	27.20	22.70	22.70	7.00	7.00	0.54			121.48	181.83	41.43	94.44	94.38
35.0	27-Jan-94		123	Pelican Bank	25.44500	-80.28333	1994.07	BB	MAIN	0.07	01	1994	1994-01	0.0356	0.0335	0.0021	0.0278	0.2286	0.0634	0.1652	0.0049	0.0007	0.0929	0.6773	1.9038		31.80	31.70	21.80	21.80	6.80	6.80	0.54			103.69	201.22	28.75	93.40	93.33
35.0	26-Jan-94		124	Midbay South	25.47250	-80.23333	1994.07	BB	MAIN	0.07	01	1994	1994-01	0.0030	0.0017	0.0013	0.0153	0.1897	0.0183	0.1714	0.0046	0.0008	0.1198	0.6933	0.9575		34.30	34.40	20.30	20.30	7.10	7.10	1.09			91.88	52.40	8.88	97.12	97.18
35.0	26-Jan-94		125	Turkey Point	25.47000	-80.28333	1994.07	BB	TP	0.07	01	1994	1994-01	0.0582	0.0553	0.0029	0.0278	0.2992	0.0861	0.2132	0.0049	0.0008	0.1283	0.7838	1.5100		29.40	29.40	20.90	20.90	7.00	7.00	0.54			135.70	245.90	39.03	93.48	93.48
36.0	16-Feb-94		101	Convoy Point	25.47833	-80.32083	1994.13	BB	AS	0.13	02	1994	1994-02	0.0060	0.0042	0.0018	0.0164	0.4092	0.0224	0.3867	0.0064	0.0012	0.5953	1.1080	4.6127		27.40	27.40	22.60	22.60	7.20	7.30	2.08			140.85	40.06	7.72	97.08	98.43
36.0	16-Feb-94		102	Black Point	25.54583	-80.29467	1994.13	BB	AS	0.13	02	1994	1994-02	0.0014	0.0008	0.0007	0.0086	0.4049	0.0101	0.3948	0.0078	0.0014	0.4499	0.8831	4.9031		29.50	29.60	22.10	22.10	7.10	7.10	0.40			114.53	16.00	2.85	96.43	96.50
36.0	16-Feb-94		103	Near Black Ledge	25.57333	-80.28667	1994.13	BB	IS	0.13	02	1994	1994-02	0.0021	0.0012	0.0009	0.0111	0.2916	0.0132	0.2785	0.0062	0.0020	0.3102	0.9123	3.3670		33.20	33.20	22.50	22.50	7.10	7.10	0.64			104.15	14.46	4.70	99.31	99.31
36.0	16-Feb-94		104	BNP Marker C	25.60167	-80.22083	1994.13	BB	MAIN	0.13	02	1994	1994-02	0.0062	0.0047	0.0015	0.0151	0.1936	0.0212	0.1724	0.0054	0.0012	0.1313	0.8802	2.1182		36.30	36.40	23.20	23.20	6.50	6.40	0.94			79.04	40.47	8.67	93.58	92.20
36.0	16-Feb-94		105	Biscayne Channel	25.65417	-80.18667	1994.13	BB	MAIN	0.13	02	1994	1994-02	0.0066	0.0049	0.0017	0.0158	0.1931	0.0224	0.1707	0.0069	0.0022	0.0810	0.8408	2.0642		35.30	35.20	22.70	22.90	6.30	6.30	1.34			61.99	22.86	7.19	89.56	89.73
36.0	16-Feb-94		106	White Marker	25.63417	-80.13000	1994.13	BB	OCHAN	0.13	02	1994	1994-02	0.0033	0.0020	0.0013	0.0093	0.1313	0.0125	0.1187	0.0069	0.0010	0.0615	0.8816	1.4746		36.50	36.50	23.30	23.30	6.70	6.70	3.27			42.14	27.54	4.02	96.70	96.70
36.0	16-Feb-94		107	Fowey Rocks	25.59000	-80.10000	1994.13	BB	MAIN	0.13	02	1994	1994-02	0.0022	0.0013	0.0009	0.0092	0.2375	0.0114	0.2261	0.0051	0.0002	0.0447	0.7940	2.5622		36.60	36.60	25.10	25.20	6.70	6.60	0.20			102.82	108.33	4.92	98.74	97.37
36.0	16-Feb-94		108	Marker G-1B	25.56917	-80.19250	1994.13	BB	OCHAN	0.13	02	1994	1994-02	0.0038	0.0027	0.0012	0.0079	0.1488	0.0117	0.1371	0.0053	0.0000	0.0866	0.8451	1.8364		36.50	36.50	22.60	22.60	6.60	6.60	0.79			62.51		4.91	94.45	94.45
36.0	16-Feb-94		109	Midbay North	25.56417	-80.23500	1994.13	BB	MAIN	0.13	02	1994	1994-02	0.0072	0.0051	0.0021	0.0152	0.1906	0.0225	0.1681	0.0053	0.0004	0.1286	0.8451	2.5051		36.60	36.60	23.10	23.10	6.30	6.30	1.39			80.07	128.40	9.44	90.77	90.77
36.0	16-Feb-94		110	Fender Point	25.50500	-80.28750	1994.13	BB	IS	0.13	02	1994	1994-02	0.0188	0.0161	0.0027	0.0246	0.3000	0.0434	0.2567	0.0069	0.0009	0.1369	0.9969	3.5388		30.70	30.70	22.70	22.70	6.80	6.90	1.14			96.32	112.64	13.92	93.81	95.19
36.0	16-Feb-94		111	Featherbed Bank	25.51583	-80.24000	1994.13	BB	MAIN	0.13	02	1994	1994-02	0.0030	0.0018	0.0013	0.0108	0.1842	0.0139	0.1704	0.0056	0.0005	0.1202	0.8101	2.3324		36.90	36.90	22.70	22.70	6.40	6.30	0.99			73.10	56.57	5.50	91.94	90.51
36.0	16-Feb-94		112	Sands Cut	25.48833	-80.18833	1994.13	BB	MAIN	0.13	02	1994	1994-02	0.0034	0.0021	0.0012	0.0194	0.1774	0.0227	0.1547	0.0053	0.0006	0.0755	0.8612	2.2564		36.90	36.90	22.40	22.40	6.00	6.20	0.79			73.47	81.13	9.41	85.88	88.74
36.0	17-Feb-94		113	Elliott Key	25.44167	-80.22333	1994.13	BB	MAIN	0.13	02	1994	1994-02	0.0053	0.0036	0.0017	0.0166	0.1613	0.0219	0.1395	0.0039	0.0009	0.1375	0.7736	1.8410		36.30	36.30	22.20	22.20	6.90	6.80	0.40			92.19	52.08	12.50	98.12	96.70
36.0	17-Feb-94		114	Caesar Creek	25.38500	-80.19167	1994.13	BB	OCHAN	0.13	02	1994	1994-02	0.0033	0.0018	0.0015	0.0111	0.1416	0.0144	0.1271	0.0073	0.0005	0.1675	1.0612	1.4809		36.50	36.50	32.40	32.40	6.80	6.80	15.30			43.03	58.86	4.38	106.10	106.10
36.0	17-Feb-94		115	Adams Key	25.40417	-80.24083	1994.13	BB	MAIN	0.13	02	1994	1994-02	0.0106	0.0090	0.0016	0.0207	0.1874	0.0313	0.1561	0.0047	0.0003	0.1632	0.9167	1.9309		35.60	35.60	22.40	22.40	6.80	6.80	3.12			89.26	223.50	14.90	96.50	96.50
36.0	17-Feb-94		116	Rubicon Keys	25.40000	-80.25500	1994.13	BB	MAIN	0.13	02	1994	1994-02	0.0155	0.0136	0.0019	0.0186	0.2145	0.0341	0.1805	0.0060	0.0002	0.1632	0.8962	2.4864		35.10		22.30	22.40	6.60	6.60	1.39			79.61	487.00	12.65	93.24	74.18
36.0	17-Feb-94		117	Totten Key	25.38500	-80.26500	1994.13	BB	MAIN	0.13	02	1994	1994-02	0.0212	0.0190	0.0022	0.0216	0.2069	0.0428	0.1640	0.0056	0.0002	0.1761	0.8612	2.0774		34.70	34.70	22.20	22.20	6.70	6.60	1.49			82.10	408.00	17.00	94.28	92.87
36.0	17-Feb-94		118	Broad Creek	25.34833	-80.25500	1994.13	BB	MAIN	0.13	02	1994	1994-02	0.0138	0.0113	0.0025	0.0297	0.3073	0.0434	0.2639	0.0050	0.0001	0.2491	0.7211	3.0074		33.40	33.40	22.20	22.20	6.80	6.80	12.18			135.08	1241.00	19.09	94.88	94.88
36.0	17-Feb-94		119	Pumpkin Key	25.31833	-80.30333	1994.13	BB	SCARD	0.13	02	1994	1994-02	0.0173	0.0155	0.0018	0.0258	0.2443	0.0431	0.2013	0.0063	0.0006	0.1847	0.9056	2.5822		34.90	34.90	22.20	22.20	6.60	6.60	0.99			86.18	153.75	15.19	93.00	93.00
36.0	17-Feb-94		120	Card Sound South	25.31417	-80.34333	1994.13	BB	SCARD	0.13	02	1994	1994-02	0.0136	0.0110	0.0026	0.0239	0.2005	0.0375	0.1630	0.0059	0.0005	0.1804	0.8451	2.1742		35.40	35.30	22.00	22.00	6.30	6.30	1.44			75.37	178.50	14.09	88.83	88.77
36.0	17-Feb-94		121	Card Sound North	25.35500	-80.29167	1994.13	BB	SCARD	0.13	02	1994	1994-02	0.0148	0.0121	0.0027	0.0337	0.2559	0.0486	0.2073	0.0064	0.0002	0.1460	0.8276	2.8990		34.00	34.00	22.90	22.90	6.80	6.80	0.99			88.08	462.67	16.72	96.09	96.09
36.0	17-Feb-94		122	West Arsenicker	25.42017	-80.31083	1994.13	BB	IS	0.13	02	1994	1994-02	0.0047	0.0029	0.0018	0.0220		0.0267			0.0005		0.9210			32.60	32.60	21.90	21.90	6.70	6.70					108.86		92.63	92.63
36.0	17-Feb-94		123	Pelican Bank	25.44500	-80.28333	1994.13	BB	MAIN	0.13	02	1994	1994-02	0.0222	0.0193	0.0029	0.0287	0.2345	0.0509	0.1837	0.0062	0.0001	0.1976	0.7751	2.4752		33.40	33.40	22.20	22.20	6.70	6.70	1.04			83.75	1453.00	18.16	93.48	93.48
36.0	16-Feb-94		124	Midbay South	25.47250	-80.23333	1994.13	BB	MAIN	0.13	02	1994	1994-02	0.0062	0.0039	0.0023	0.0250	0.2023	0.0312	0.1711	0.0057	0.0000	0.1230	0.8276	2.2091		35.50	35.50	22.70	22.70	6.50	6.50	1.04			78.11		12.05	92.53	92.53
36.0	16-Feb-94		125	Turkey Point	25.47000	-80.28333	1994.13	BB	TP	0.13	02	1994	1994-02	0.0154	0.0117	0.0037	0.0345	0.3224	0.0499	0.2725	0.0052	0.0005	0.1761	0.5693	3.3470		31.60	31.60	22.60	22.60	6.50	6.60	0.59			137.49	237.67	21.28	90.09	91.47
37.0	15-Mar-94		101	Convoy Point	25.47833	-80.32083	1994.20	BB	AS	0.20	03	1994	1994-03	0.0799	0.0746	0.0053	0.0243	0.4967	0.1042	0.3925	0.0060	0.0016	0.3724	0.8203	2.3423		25.50	26.20	22.20	22.90	7.70	9.70	0.50			184.31	148.85	38.66	102.01	130.26
37.0	15-Mar-94		102	Black Point	25.54583	-80.29467	1994.20	BB	AS	0.20	03	1994	1994-03	0.0111	0.0090	0.0021	0.0195	0.2217	0.0306	0.1910	0.0042	0.0009	0.0931	0.8451	1.3785		32.40	32.60	22.00	22.10	7.30	7.30	0.79			117.29	72.92	16.20	100.92	101.19
37.0	15-Mar-94		103	Near Black Ledge	25.57333	-80.28667	1994.20	BB	IS	0.20	03	1994	1994-03	0.0083	0.0064	0.0019	0.0190	0.2276	0.0273	0.2003	0.0038	0.0011	0.1397	0.6495	1.4633		31.70	31.80	21.90	21.80	7.70	7.70	1.09			132.72	55.71	15.92	105.83	105.76
37.0	15-Mar-94		104	BNP Marker C	25.60167	-80.22083	1994.20	BB	MAIN	0.20	03	1994	1994-03	0.0070	0.0050	0.0020	0.0235	0.1976	0.0306	0.1670	0.0044	0.0015	0.0902	0.7444	1.1818		34.60	34.50	21.80	21.80	7.10	6.90	1.83			99.02	45.95	15.32	99.33	96.47
37.0	15-Mar-94		105	Biscayne Channel	25.65417	-80.18667	1994.20	BB	MAIN	0.20	03	1994	1994-03	0.0036	0.0018	0.0018	0.0198	0.1773	0.0234	0.1539	0.0036	0.0012	0.0349	0.8218	1.1463		34.20	34.00	21.80	22.10	7.20	7.10	1.58			110.12	44.53	14.52	100.46	99.32
37.0	15-Mar-94		106	White Marker	25.63417	-80.13000	1994.20	BB	OCHAN	0.20	03	1994	1994-03	0.0019	0.0003	0.0016	0.0189	0.1375	0.0208	0.1167	0.0043	0.0004	0.1018	1.0626	0.6963		35.80	35.80	22.90	22.90	7.20	7.10	0.35			70.15	118.60	10.59	102.95	101.52
37.0	15-Mar-94		107	Fowey Rocks	25.59000	-80.10000	1994.20	BB	MAIN	0.20	03	1994	1994-03	0.0018	0.0006	0.0012	0.0147	0.1144	0.0165	0.0979	0.0034	0.0004	0.0320	0.9269	0.4593		36.10	36.10	23.90	23.90	6.90	6.70	0.30			74.28	94.20	10.70	100.03	97.13
37.0	15-Mar-94		108	Marker G-1B	25.56917	-80.19250	1994.20	BB	OCHAN	0.20	03	1994	1994-03	0.0035	0.0019	0.0016	0.0245	0.1226	0.0280	0.0946	0.0049	0.0005	0.0291	0.7692	0.8840		34.90	34.90	21.60	21.70	7.40	7.60	2.13			55.59	114.14	12.68	103.46	106.39
37.0	15-Mar-94		109	Midbay North	25.56417	-80.23500	1994.20	BB	MAIN	0.20	03	1994	1994-03	0.0062	0.0036	0.0026	0.0233	0.1800	0.0295	0.1505	0.0047	0.0004	0.0698	0.8714	1.0130		33.70	33.70	21.60	21.60	6.90	6.90	3.56			84.33	168.60	13.82	95.71	95.71
37.0	15-Mar-94		110	Fender Point	25.50500	-80.28750	1994.20	BB	IS	0.20	03	1994	1994-03	0.1446	0.1397	0.0049	0.0318	0.3923	0.1764	0.2159	0.0050	0.0015	0.2066	0.7444	4.9160		26.50	27.30	21.90	22.00	7.60	7.70	0.45			172.45	265.26	77.54	100.94	102.95
37.0	15-Mar-94		111	Featherbed Bank	25.51583	-80.24000	1994.20	BB	MAIN	0.20	03	1994	1994-03	0.0019	0.0002	0.0017	0.0210	0.1686	0.0229	0.1457	0.0043	0.0016	0.1135	0.7853	1.4378		35.00	35.10	20.60	20.60	7.00	6.90	0.59			86.02	31.14	11.68	96.60	95.29
37.0	15-Mar-94		112	Sands Cut	25.48833	-80.18833	1994.20	BB	MAIN	0.20	03	1994	1994-03	0.0033	0.0016	0.0017	0.0223	0.1603	0.0256	0.1347	0.0050	0.0016	0.0902	0.6919	0.9150		35.20	35.10	20.90	20.90	6.60	6.50	2.13			70.44	36.55	11.25	91.59	90.14
37.0	14-Mar-94		113	Elliott Key	25.44167	-80.22333	1994.20	BB	MAIN	0.20	03	1994	1994-03	0.0063	0.0042	0.0020	0.0258	0.1642	0.0321	0.1321	0.0033	0.0011	0.1072	0.6890	2.0008		35.60	35.60	22.10	22.00	6.90	7.00	0.55			109.07	65.43	21.30	97.55	98.83
37.0	14-Mar-94		114	Caesar Creek	25.38500	-80.19167	1994.20	BB	OCHAN	0.20	03	1994	1994-03	0.0059	0.0038	0.0021	0.0187	0.1525	0.0246	0.1280	0.0030	0.0012	0.0934	0.6525	1.2830		35.60	35.80	22.30	22.30	6.70	7.40	1.41			111.74	43.88	18.00	94.96	105.02
37.0	14-Mar-94		115	Adams Key	25.40417	-80.24083	1994.20	BB	MAIN	0.20	03	1994	1994-03	0.0082	0.0060	0.0022	0.0219	0.1430	0.0301	0.1129	0.0033	0.0006	0.0796	0.3926	1.5405		35.50	35.60	22.30	22.30	7.10	7.30	1.16			97.27	107.38	20.45	100.56	103.47
37.0	14-Mar-94		116	Rubicon Keys	25.40000	-80.25500	1994.20	BB	MAIN	0.20	03	1994	1994-03	0.0110	0.0087	0.0023	0.0203	0.1883	0.0314	0.1570	0.0044	0.0004	0.1176	0.8043	1.9645		34.10	34.40	22.30	22.20	6.70	6.90	0.95			94.41	179.20	15.72	94.03	96.91
37.0	14-Mar-94		117	Totten Key	25.38500	-80.26500	1994.20	BB	MAIN	0.20	03	1994	1994-03	0.0118	0.0089	0.0029	0.0249	0.2292	0.0366	0.1926	0.0052	0.0001	0.1522	0.5605	2.3638		33.80	33.80	22.70	22.70	7.20	7.40	1.19			97.75	1047.00	15.63	101.36	104.18
37.0	14-Mar-94		118	Broad Creek	25.34833	-80.25500	1994.20	BB	MAIN	0.20	03	1994	1994-03	0.0078	0.0052	0.0026	0.0240	0.1651	0.0318	0.1333	0.0049	0.0003	0.1107	0.7181	2.1120		35.00	35.00	23.10	23.10	7.20	7.40	0.81			74.88	227.25	14.43	102.66	105.51
37.0	14-Mar-94		119	Pumpkin Key	25.31833	-80.30333	1994.20	BB	SCARD	0.20	03	1994	1994-03	0.0294	0.0250	0.0044	0.0365	0.3271	0.0660	0.2611	0.0061	0.0006	0.1695	0.9386	3.1635		31.80	31.80	23.00	22.90	6.90	7.10	0.97			118.30	235.63	23.86	96.23	98.90
37.0	14-Mar-94		120	Card Sound South	25.31417	-80.34333	1994.20	BB	SCARD	0.20	03	1994	1994-03	0.0350	0.0308	0.0042	0.0371	0.3398	0.0721	0.2677	0.0074	0.0008	0.1626	0.9313	3.7730		31.20	31.40	23.20	22.90	6.70	7.00	1.36			102.18	205.90	21.67	93.31	97.25
37.0	14-Mar-94		121	Card Sound North	25.35500	-80.29167	1994.20	BB	SCARD	0.20	03	1994	1994-03	0.0200	0.0162	0.0037	0.0279	0.2409	0.0478	0.1931	0.0061	0.0009	0.1557	0.6714	3.1683		32.70	32.70	23.10	23.00	7.00	7.60	1.18			87.14	113.92	17.30	98.32	106.62
37.0	14-Mar-94		122	West Arsenicker	25.42017	-80.31083	1994.20	BB	IS	0.20	03	1994	1994-03	0.0562	0.0508	0.0055	0.0321	0.3324	0.0883	0.2441	0.0075	0.0011	0.2733	0.4788	7.4478		26.40	27.90	23.30	23.30	7.70	8.90	0.68			97.92	180.29	26.02	104.06	121.46
37.0	14-Mar-94		123	Pelican Bank	25.44500	-80.28333	1994.20	BB	MAIN	0.20	03	1994	1994-03	0.0451	0.0417	0.0035	0.0250	0.2509	0.0701	0.1808	0.0043	0.0005	0.1522	0.8408	4.7590		29.90	29.90	22.00	21.90	7.20	7.30	0.76			130.31	286.00	36.40	97.92	99.15
37.0	15-Mar-94		124	Midbay South	25.47250	-80.23333	1994.20	BB	MAIN	0.20	03	1994	1994-03	0.0042	0.0010	0.0032	0.0212	0.1370	0.0254	0.1116	0.0029	0.0002	0.1309	0.8349	1.8045		35.60	35.60	21.40	21.40	7.00	7.00	1.49			105.77	363.00	19.62	98.06	98.06
37.0	15-Mar-94		125	Turkey Point	25.47000	-80.28333	1994.20	BB	TP	0.20	03	1994	1994-03	0.0752	0.0711	0.0041	0.0225	0.3251	0.0977	0.2274	0.0051	0.0006	0.2415	0.7152	3.6223		28.50	31.50	21.20	22.20	7.40	6.50	0.40			140.73	349.00	42.30	98.64	89.57
38.0	21-Apr-94		101	Convoy Point	25.47833	-80.32083	1994.30	BB	AS	0.30	04	1994	1994-04	0.0084	0.0069	0.0015	0.0101	0.5386	0.0186	0.5200	0.0059	0.0014	0.8773	0.8656	5.3540		32.30	32.30	27.10	27.10	7.00	7.10	0.49			202.47	29.44	6.97	102.36	103.83
38.0	21-Apr-94		102	Black Point	25.54583	-80.29467	1994.30	BB	AS	0.30	04	1994	1994-04	0.0176	0.0140	0.0036	0.0211	0.5067	0.0387	0.4680	0.0061	0.0011	0.6261	0.8889	5.0555		28.30	28.30	26.80	26.70	5.70	5.80	0.40			183.26	79.07	14.01	81.03	82.37
38.0	21-Apr-94		103	Near Black Ledge	25.57333	-80.28667	1994.30	BB	IS	0.30	04	1994	1994-04	0.0070	0.0054	0.0016	0.0133	0.2938	0.0203	0.2735	0.0040	0.0002	0.2059	0.8393	2.5783		34.00	33.80	26.90	26.90	5.60	6.00	0.38			164.60	193.67	11.39	82.63	88.42
38.0	21-Apr-94		104	BNP Marker C	25.60167	-80.22083	1994.30	BB	MAIN	0.30	04	1994	1994-04	0.0072	0.0052	0.0020	0.0155	0.1792	0.0226	0.1566	0.0024	0.0005	0.2059	1.0641	1.7435		36.50	35.90	26.90	26.90	5.70	5.60	1.14			165.20	107.83	20.87	85.45	83.63
38.0	21-Apr-94		105	Biscayne Channel	25.65417	-80.18667	1994.30	BB	MAIN	0.30	04	1994	1994-04	0.0058	0.0040	0.0018	0.0149	0.1969	0.0207	0.1763	0.0029	0.0006	0.0906	1.0042	2.2675		35.80	35.80	26.70	26.80	5.80	5.40	2.18			148.07	73.75	15.53	86.40	80.52
38.0	21-Apr-94		106	White Marker	25.63417	-80.13000	1994.30	BB	OCHAN	0.30	04	1994	1994-04	0.0020	0.0006	0.0014	0.0101	0.1500	0.0121	0.1379	0.0026	0.0004	0.0906	0.9050	2.2503		36.10	36.10	26.70	26.70	5.90	6.00	0.47			129.84	69.00	10.45	88.06	89.55
38.0	21-Apr-94		107	Fowey Rocks	25.59000	-80.10000	1994.30	BB	MAIN	0.30	04	1994	1994-04	0.0021	0.0011	0.0010	0.0071	0.1273	0.0093	0.1181	0.0029	0.0001	0.0659	0.9999	2.1475		36.10	36.00	26.00	25.70	6.40	6.50	0.11			98.33	265.00	7.16	94.88	96.01
38.0	21-Apr-94		108	Marker G-1B	25.56917	-80.19250	1994.30	BB	OCHAN	0.30	04	1994	1994-04	0.0043	0.0026	0.0017	0.0126	0.1763	0.0169	0.1595	0.0028	0.0001	0.0824	0.8787	2.9963		36.50	36.40	26.80	26.90	5.70	6.10	0.84			139.94	482.00	13.39	85.37	91.39
38.0	21-Apr-94		109	Midbay North	25.56417	-80.23500	1994.30	BB	MAIN	0.30	04	1994	1994-04	0.0076	0.0057	0.0019	0.0172	0.2106	0.0248	0.1858	0.0027	0.0003	0.1318	0.8918	4.3610		35.90	35.90	26.90	26.90	6.00	6.10	0.37			171.92	177.00	20.23	89.61	91.10
38.0	21-Apr-94		110	Fender Point	25.50500	-80.28750	1994.30	BB	IS	0.30	04	1994	1994-04	0.0117	0.0094	0.0023	0.0247	0.3871	0.0363	0.3508	0.0046	0.0005	0.2677	0.7561	3.2435		33.60	33.60	26.60	26.70	5.60	5.70	0.54			187.47	173.00	17.59	82.18	83.73
38.0	21-Apr-94		111	Featherbed Bank	25.51583	-80.24000	1994.30	BB	MAIN	0.30	04	1994	1994-04	0.0054	0.0038	0.0016	0.0137	0.2470	0.0191	0.2279	0.0029	0.0010	0.1112	0.9298	1.1188		36.30	36.30	26.70	26.70	5.40	5.40	0.74			190.74	41.92	14.73	80.70	80.70
38.0	21-Apr-94		112	Sands Cut	25.48833	-80.18833	1994.30	BB	MAIN	0.30	04	1994	1994-04	0.0068	0.0053	0.0015	0.0158	0.2144	0.0226	0.1919	0.0030	0.0008	0.0758	0.9371	1.2878		36.30	36.30	26.60	26.60	5.30	5.00	0.53			157.10	64.50	16.54	79.13	74.65
38.0	22-Apr-94		113	Elliott Key	25.44167	-80.22333	1994.30	BB	MAIN	0.30	04	1994	1994-04	0.0036	0.0023	0.0014	0.0183	0.1828	0.0219	0.1609	0.0020	0.0012	0.2634	0.8437	1.3980		36.30	36.40	27.30	27.30	6.20	6.10	0.58			200.85	41.73	24.08	93.17	91.72
38.0	22-Apr-94		114	Caesar Creek	25.38500	-80.19167	1994.30	BB	OCHAN	0.30	04	1994	1994-04	0.0022	0.0009	0.0012	0.0091	0.1207	0.0112	0.1094	0.0026	0.0009	0.1227	0.7181	0.6950		36.30	36.30	27.60	27.60	6.20	6.40	1.20			104.48	29.18	9.73	93.41	96.43
38.0	22-Apr-94		115	Adams Key	25.40417	-80.24083	1994.30	BB	MAIN	0.30	04	1994	1994-04	0.0058	0.0042	0.0017	0.0135	0.1488	0.0193	0.1295	0.0026	0.0008	0.1227	0.8130	0.8963		36.80	36.80	27.50	27.50	5.70	5.70	0.78			128.83	55.20	16.73	86.08	86.08
38.0	22-Apr-94		116	Rubicon Keys	25.40000	-80.25500	1994.30	BB	MAIN	0.30	04	1994	1994-04	0.0078	0.0060	0.0019	0.0120	0.1784	0.0198	0.1585	0.0018	0.0004	0.1299	0.8247	1.1210		36.80	36.80	27.50	27.60	6.10	6.20	0.49			221.56	113.40	24.65	92.12	93.71
38.0	22-Apr-94		117	Totten Key	25.38500	-80.26500	1994.30	BB	MAIN	0.30	04	1994	1994-04	0.0057	0.0037	0.0021	0.0164	0.1941	0.0222	0.1719	0.0029	0.0005	0.2201	0.8320	1.8783		36.80	36.80	27.70	27.70	6.10	6.10	0.63			149.86	90.43	17.11	92.28	92.28
38.0	22-Apr-94		118	Broad Creek	25.34833	-80.25500	1994.30	BB	MAIN	0.30	04	1994	1994-04	0.0056	0.0037	0.0019	0.0131	0.1456	0.0187	0.1269	0.0022	0.0009	0.1155	1.0539	1.3488		36.80	36.80	27.50	27.60	5.60	5.50	0.94			143.43	44.50	18.41	84.57	83.13
38.0	22-Apr-94		119	Pumpkin Key	25.31833	-80.30333	1994.30	BB	SCARD	0.30	04	1994	1994-04	0.0097	0.0075	0.0022	0.0154	0.2719	0.0251	0.2467	0.0049	0.0006	0.3933	1.1152	2.6365		34.90	35.80	28.00	28.30	6.30	6.20	0.59			123.30	89.75	11.40	94.41	93.67
38.0	22-Apr-94		120	Card Sound South	25.31417	-80.34333	1994.30	BB	SCARD	0.30	04	1994	1994-04	0.0133	0.0104	0.0029	0.0266	0.3519	0.0399	0.3119	0.0050	0.0012	0.3825	0.8481	3.6348		33.50	33.50	28.10	28.00	6.30	6.30	2.28			157.09	71.31	17.83	93.66	93.58
38.0	22-Apr-94		121	Card Sound North	25.35500	-80.29167	1994.30	BB	SCARD	0.30	04	1994	1994-04	0.0074	0.0056	0.0018	0.0149	0.2673	0.0223	0.2450	0.0029	0.0006	0.3464	0.9429	2.4345		35.60	35.70	28.00	28.00	6.30	6.50	0.74			200.96	79.63	16.76	94.83	97.90
38.0	22-Apr-94		122	West Arsenicker	25.42017	-80.31083	1994.30	BB	IS	0.30	04	1994	1994-04	0.0024	0.0007	0.0017	0.0151	0.2712	0.0175	0.2538	0.0030	0.0013	0.3789	0.7634	2.6210		35.70	35.90	28.10	28.10	6.90	7.10	0.20			198.70	29.35	12.79	104.01	107.16
38.0	22-Apr-94		123	Pelican Bank	25.44500	-80.28333	1994.30	BB	MAIN	0.30	04	1994	1994-04	0.0072	0.0056	0.0016	0.0166	0.2553	0.0238	0.2316	0.0026	0.0012	0.1660	0.8568	1.8923		35.60	35.60	27.10	27.20	5.80	5.90	0.30			221.06	42.44	20.58	86.61	88.19
38.0	21-Apr-94		124	Midbay South	25.47250	-80.23333	1994.30	BB	MAIN	0.30	04	1994	1994-04	0.0036	0.0022	0.0015	0.0174	0.2809	0.0211	0.2599	0.0018	0.0014	0.1977	0.9181	2.1490		35.60	35.70	26.70	26.80	5.80	6.00	0.42			348.98	33.44	26.17	86.29	89.41
38.0	21-Apr-94		125	Turkey Point	25.47000	-80.28333	1994.30	BB	TP	0.30	04	1994	1994-04	0.0084	0.0064	0.0020	0.0205	0.3106	0.0289	0.2817	0.0026	0.0008	0.1648	0.9225	2.0018		35.00	35.00	26.60	26.60	5.70	5.60	0.34			268.96	82.60	25.03	84.40	82.92
39.0	24-May-94		101	Convoy Point	25.47833	-80.32083	1994.39	BB	AS	0.39	05	1994	1994-05	0.0036	0.0027	0.0009	0.0161	0.6177	0.0196	0.5981	0.0033	0.0018	0.6346	1.3000	9.3296		28.70	30.50	28.10	27.80	7.30	12.90	0.50			410.42	24.39	13.05	105.28	187.68

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
39.0	24-May-94		102	Black Point	25.54583	-80.29467	1994.39	BB	AS	0.39	05	1994	1994-05	0.0030	0.0018	0.0012	0.0136	0.4931	0.0166	0.4765	0.0102	0.0016	0.5486	1.1652	7.4336		30.20	30.10	27.40	27.50	8.10	8.30	0.35			106.72	23.65	3.58	117.20	120.13
39.0	24-May-94		103	Near Black Ledge	25.57333	-80.28667	1994.39	BB	IS	0.39	05	1994	1994-05	0.0065	0.0048	0.0018	0.0164	0.4377	0.0230	0.4147	0.0080	0.0006	0.2611	1.1295	6.4698		33.00	33.10	27.20	27.30	7.30	7.40	0.54			121.41	82.00	6.37	107.33	108.96
39.0	24-May-94		104	BNP Marker C	25.60167	-80.22083	1994.39	BB	MAIN	0.39	05	1994	1994-05	0.0040	0.0026	0.0014	0.0125	0.3256	0.0164	0.3092	0.0080	0.0006	0.1190	1.1032	4.8229		36.20	36.60	27.20	26.90	6.20	6.00	1.29			90.31	58.63	4.55	93.02	90.01
39.0	24-May-94		105	Biscayne Channel	25.65417	-80.18667	1994.39	BB	MAIN	0.39	05	1994	1994-05	0.0055	0.0043	0.0012	0.0135	0.2705	0.0190	0.2515	0.0050	0.0006	0.1025	1.1962	3.9234		35.60	35.70	26.80	26.50	6.00	6.10	1.44			120.76	67.88	8.48	89.35	90.64
39.0	24-May-94		106	White Marker	25.63417	-80.13000	1994.39	BB	OCHAN	0.39	05	1994	1994-05	0.0018	0.0010	0.0008	0.0102	0.1901	0.0120	0.1781	0.0105	0.0000	0.0826	1.2200	2.7781		36.00	35.90	26.80	26.80	6.90	7.10	0.45			39.93		2.51	103.02	105.94
39.0	24-May-94		107	Fowey Rocks	25.59000	-80.10000	1994.39	BB	MAIN	0.39	05	1994	1994-05	0.0015	0.0005	0.0011	0.0113	0.2004	0.0128	0.1876	0.0019	0.0002	0.0760	0.8912	2.9270		36.30	36.30	27.30	27.30	6.30	6.30	0.05			229.07	183.00	14.64	94.67	94.67
39.0	24-May-94		108	Marker G-1B	25.56917	-80.19250	1994.39	BB	OCHAN	0.39	05	1994	1994-05	0.0030	0.0019	0.0012	0.0120	0.2039	0.0151	0.1889	0.0017	0.0008	0.1256	1.0389	2.9461		36.10	36.10	27.50	27.50	7.30	6.60	1.24			264.85	43.10	19.59	109.75	99.23
39.0	24-May-94		109	Midbay North	25.56417	-80.23500	1994.39	BB	MAIN	0.39	05	1994	1994-05	0.0060	0.0044	0.0015	0.0156	0.2308	0.0216	0.2093	0.0019	0.0004	0.1256	1.0365	3.2644		36.80	36.80	27.30	27.20	6.60	6.50	1.19			274.78	123.20	25.67	99.49	97.90
39.0	24-May-94		110	Fender Point	25.50500	-80.28750	1994.39	BB	IS	0.39	05	1994	1994-05	0.0237	0.0209	0.0028	0.0244	0.3458	0.0481	0.2977	0.0047	0.0003	0.2214	1.1461	4.6436		32.60	33.10	27.40	27.30	6.50	7.00	0.79			164.65	343.50	22.90	95.49	103.07
39.0	24-May-94		111	Featherbed Bank	25.51583	-80.24000	1994.39	BB	MAIN	0.39	05	1994	1994-05	0.0045	0.0032	0.0013	0.0131	0.2084	0.0176	0.1908	0.0041	0.0008	0.1289	0.7434	2.9769		37.10	37.10	26.70	26.70	6.20	6.50	0.89			112.36	50.30	9.49	93.13	97.64
39.0	24-May-94		112	Sands Cut	25.48833	-80.18833	1994.39	BB	MAIN	0.39	05	1994	1994-05	0.0033	0.0022	0.0011	0.0136	0.2113	0.0169	0.1944	0.0027	0.0003	0.1157	1.0103	3.0323		36.70	36.40	26.50	26.60	6.10	6.60	0.79			172.48	120.75	13.80	91.22	98.60
39.0	25-May-94		113	Elliott Key	25.44167	-80.22333	1994.39	BB	MAIN	0.39	05	1994	1994-05	0.0036	0.0027	0.0009	0.0189	0.2685	0.0225	0.2460	0.0026	0.0004	0.2319	1.0389	3.8378		37.70	37.60	27.40	27.40	5.90	6.10	0.89			232.48	128.60	19.48	89.53	92.51
39.0	25-May-94		114	Caesar Creek	25.38500	-80.19167	1994.39	BB	OCHAN	0.39	05	1994	1994-05	0.0015	0.0009	0.0007	0.0097	0.1777	0.0112	0.1665	0.0025	0.0004	0.1109	0.8530	2.5974		36.60	36.40	27.40	27.20	6.20	6.30	0.45			158.69	64.20	10.03	93.43	94.64
39.0	25-May-94		115	Adams Key	25.40417	-80.24083	1994.39	BB	MAIN	0.39	05	1994	1994-05	0.0061	0.0044	0.0017	0.0194	0.2412	0.0256	0.2156	0.0020	0.0013	0.1345	0.7363	3.3634		37.20	37.30	27.50	27.40	5.80	5.90	1.04			265.00	42.94	28.08	87.81	89.30
39.0	25-May-94		116	Rubicon Keys	25.40000	-80.25500	1994.39	BB	MAIN	0.39	05	1994	1994-05	0.0072	0.0057	0.0015	0.0175	0.2939	0.0247	0.2692	0.0032	0.0012	0.1580	1.1986	4.2001		38.00	38.00	27.30	27.30	5.40	5.60	1.19			204.82	47.00	17.20	82.03	85.06
39.0	25-May-94		117	Totten Key	25.38500	-80.26500	1994.39	BB	MAIN	0.39	05	1994	1994-05	0.0052	0.0039	0.0013	0.0189	0.3090	0.0242	0.2848	0.0036	0.0006	0.2219	1.1795	4.4435		37.90	37.90	27.50	27.50	6.90	7.00	0.74			187.83	86.25	14.68	104.93	106.45
39.0	25-May-94		118	Broad Creek	25.34833	-80.25500	1994.39	BB	MAIN	0.39	05	1994	1994-05	0.0044	0.0030	0.0014	0.0158	0.2507	0.0202	0.2305	0.0036	0.0008	0.1748	0.3646	3.5957		37.20	37.30	27.60	27.60	6.30	6.30	1.29			155.71	57.70	12.54	95.46	95.52
39.0	25-May-94		119	Pumpkin Key	25.31833	-80.30333	1994.39	BB	SCARD	0.39	05	1994	1994-05	0.0071	0.0055	0.0016	0.0244	0.2474	0.0315	0.2158	0.0030	0.0011	0.1748	0.8912	3.3672		36.80	36.90	27.80	27.60	6.10	6.40	0.69			181.23	64.36	23.10	92.36	96.79
39.0	25-May-94		120	Card Sound South	25.31417	-80.34333	1994.39	BB	SCARD	0.39	05	1994	1994-05	0.0200	0.0179	0.0021	0.0257	0.3102	0.0457	0.2645	0.0040	0.0003	0.1143	1.0079	4.1266		36.40	36.20	27.90	27.60	6.10	6.00	0.40			173.78	326.25	25.59	92.20	90.34
39.0	25-May-94		121	Card Sound North	25.35500	-80.29167	1994.39	BB	SCARD	0.39	05	1994	1994-05	0.0079	0.0063	0.0015	0.0209	0.3520	0.0287	0.3232	0.0027	0.0006	0.1782	0.8888	5.0426		37.40	37.50	27.30	27.40	6.30	6.30	0.50			287.33	102.63	23.46	95.33	95.48
39.0	25-May-94		122	West Arsenicker	25.42017	-80.31083	1994.39	BB	IS	0.39	05	1994	1994-05	0.0076	0.0057	0.0019	0.0243	0.3982	0.0319	0.3664	0.0030	0.0011	0.4101	1.2724	5.7154		35.10	35.20	27.40	27.50	6.70	6.70	0.40			291.74	65.00	23.33	100.01	100.16
39.0	25-May-94		123	Pelican Bank	25.44500	-80.28333	1994.39	BB	MAIN	0.39	05	1994	1994-05	0.0120	0.0100	0.0020	0.0226	0.2783	0.0346	0.2437	0.0037	0.0009	0.1412	1.0508	3.8010		37.20	37.30	26.90	26.90	6.00	6.00	0.25			165.64	89.91	20.60	90.35	90.41
39.0	24-May-94		124	Midbay South	25.47250	-80.23333	1994.39	BB	MAIN	0.39	05	1994	1994-05	0.0022	0.0008	0.0015	0.0178	0.2508	0.0200	0.2308	0.0026	0.0004	0.2082	1.1271	3.5999		37.30	37.40	26.80	26.90	6.70	6.80	0.50			217.13	114.40	17.33	100.86	102.53
39.0	24-May-94		125	Turkey Point	25.47000	-80.28333	1994.39	BB	TP	0.39	05	1994	1994-05	0.0051	0.0034	0.0017	0.0174	0.3559	0.0225	0.3334	0.0020	0.0001	0.1421	1.2224	5.2013		37.30	37.00	26.50	26.50	6.30	6.50	0.74			391.08	642.00	24.69	94.57	97.39
40.0	20-Jun-94		101	Convoy Point	25.47833	-80.32083	1994.46	BB	AS	0.46	06	1994	1994-06	0.0008	0.0003	0.0006	0.0069	0.3449	0.0078	0.3371	0.0045	0.0018	0.7418	1.0532	5.0435		37.90	37.90	30.00	30.00	6.20	6.30	0.59			169.90	9.65	3.83	96.15	97.70
40.0	20-Jun-94		102	Black Point	25.54583	-80.29467	1994.46	BB	AS	0.46	06	1994	1994-06	0.0109	0.0081	0.0028	0.0224	0.5214	0.0334	0.4880	0.0064	0.0024	0.4030	1.2081	4.1298		31.80	31.70	30.00	30.00	6.40	6.60	0.64			179.47	30.74	11.48	95.55	98.47
40.0	20-Jun-94		103	Near Black Ledge	25.57333	-80.28667	1994.46	BB	IS	0.46	06	1994	1994-06	0.0070	0.0050	0.0020	0.0138	0.5903	0.0209	0.5695	0.0028	0.0025	0.1740	1.0842	2.7955		37.10	37.10	29.60	29.60	5.20	5.20	0.59			468.53	18.63	16.56	80.01	80.01
40.0	20-Jun-94		104	BNP Marker C	25.60167	-80.22083	1994.46	BB	MAIN	0.46	06	1994	1994-06	0.0030	0.0022	0.0008	0.0099	0.3267	0.0128	0.3139	0.0042	0.0016	0.1862	1.1199	1.9465		37.10	37.10	30.00	30.10	5.40	5.20	1.44			172.86	18.35	6.80	83.33	80.30
40.0	20-Jun-94		105	Biscayne Channel	25.65417	-80.18667	1994.46	BB	MAIN	0.46	06	1994	1994-06	0.0026	0.0019	0.0006	0.0095	0.3520	0.0121	0.3399	0.0047	0.0019	0.1313	1.1747	1.9338		36.70	36.60	30.10	30.20	5.30	5.20	1.44			164.85	13.80	5.66	81.64	80.10
40.0	20-Jun-94		106	White Marker	25.63417	-80.13000	1994.46	BB	OCHAN	0.46	06	1994	1994-06	0.0022	0.0014	0.0008	0.0076	0.2963	0.0098	0.2865	0.0043	0.0004	0.1068	1.1914	2.0540		36.20	36.40	29.60	29.70	5.00	5.10	1.58			153.92	56.00	5.09	76.50	78.19
40.0	20-Jun-94		107	Fowey Rocks	25.59000	-80.10000	1994.46	BB	MAIN	0.46	06	1994	1994-06	0.0009	0.0005	0.0005	0.0080	0.2589	0.0089	0.2500	0.0035	0.0003	0.0672	1.1342	1.4000		36.30	36.30	29.10	29.10	5.60	5.70	0.35			164.37	63.75	5.67	85.42	86.94
40.0	20-Jun-94		108	Marker G-1B	25.56917	-80.19250	1994.46	BB	OCHAN	0.46	06	1994	1994-06	0.0016	0.0010	0.0006	0.0082	0.1898	0.0098	0.1800	0.0033	0.0003	0.1465	1.1128	2.0630		37.00	37.10	29.50	29.60	5.30	5.30	0.45			129.13	70.00	6.67	81.44	81.55
40.0	20-Jun-94		109	Midbay North	25.56417	-80.23500	1994.46	BB	MAIN	0.46	06	1994	1994-06	0.0034	0.0025	0.0009	0.0128	0.2895	0.0162	0.2733	0.0031	0.0007	0.1740	0.9412	2.0913		37.10	37.10	30.10	30.10	5.50	5.60	0.84			206.82	51.56	11.60	84.93	86.47
40.0	20-Jun-94		110	Fender Point	25.50500	-80.28750	1994.46	BB	IS	0.46	06	1994	1994-06	0.0092	0.0062	0.0030	0.0226	0.4625	0.0318	0.4307	0.0036	0.0010	0.1801	1.1128	3.5970		37.50	37.60	30.00	30.00	5.60	5.70	0.64			281.18	69.92	19.34	86.63	88.23
40.0	20-Jun-94		111	Featherbed Bank	25.51583	-80.24000	1994.46	BB	MAIN	0.46	06	1994	1994-06	0.0044	0.0031	0.0013	0.0121	0.3344	0.0166	0.3179	0.0035	0.0003	0.1801	1.1152	2.8230		36.80	36.70	29.90	29.90	5.10	5.20	0.79			212.34	118.25	10.51	78.50	79.98
40.0	20-Jun-94		112	Sands Cut	25.48833	-80.18833	1994.46	BB	MAIN	0.46	06	1994	1994-06	0.0046	0.0037	0.0008	0.0121	0.2402	0.0167	0.2235	0.0045	0.0002	0.1343	1.1199	2.4608		37.20	37.10	29.90	30.00	5.00	4.80	1.24			118.32	239.00	8.24	77.15	74.07
40.0	30-Jun-94		113	Elliott Key	25.44167	-80.22333	1994.49	BB	MAIN	0.49	06	1994	1994-06	0.0078	0.0070	0.0008	0.0165	0.4352	0.0244	0.4109	0.0044	0.0002	0.2898	1.2105	2.8630		38.20	38.30	29.10	29.10	5.60	5.60	0.59			218.16	348.00	12.21	86.44	86.50
40.0	30-Jun-94		114	Caesar Creek	25.38500	-80.19167	1994.49	BB	OCHAN	0.49	06	1994	1994-06	0.0019	0.0011	0.0008	0.0048	0.3955	0.0067	0.3888	0.0036	0.0002	0.0623	1.0341	1.6318		36.60	36.50	29.70	29.10	5.70	5.70	1.49			240.41	64.00	4.09	87.50	87.05
40.0	30-Jun-94		115	Adams Key	25.40417	-80.24083	1994.49	BB	MAIN	0.49	06	1994	1994-06	0.0085	0.0073	0.0012	0.0082	0.2379	0.0167	0.2213	0.0036	0.0002	0.1028	0.7411	1.9148		37.30	37.30	29.70	29.70	5.30	5.20	1.29			147.78	238.00	10.35	81.71	80.17
40.0	30-Jun-94		116	Rubicon Keys	25.40000	-80.25500	1994.49	BB	MAIN	0.49	06	1994	1994-06	0.0080	0.0066	0.0014	0.0133	0.2403	0.0213	0.2190	0.0038	0.0003	0.1184	0.9317	2.1678		37.40	37.50	29.70	29.70	5.60	5.50	0.99			140.13	152.00	12.41	86.39	84.90
40.0	30-Jun-94		117	Totten Key	25.38500	-80.26500	1994.49	BB	MAIN	0.49	06	1994	1994-06	0.0068	0.0057	0.0011	0.0090	0.2927	0.0158	0.2769	0.0047	0.0014	0.1808	0.8387	2.6000		37.50	37.50	29.80	29.80	5.80	6.00	0.89			139.37	25.06	7.52	89.60	92.69
40.0	30-Jun-94		118	Broad Creek	25.34833	-80.25500	1994.49	BB	MAIN	0.49	06	1994	1994-06	0.0049	0.0038	0.0011	0.0077	0.2410	0.0126	0.2284	0.0040	0.0007	0.0935	0.7601	1.8898		36.90	37.00	30.30	30.30	7.40	7.40	0.79			132.43	40.11	6.94	114.28	114.35
40.0	30-Jun-94		119	Pumpkin Key	25.31833	-80.30333	1994.49	BB	SCARD	0.49	06	1994	1994-06	0.0110	0.0093	0.0017	0.0237	0.4079	0.0347	0.3732	0.0049	0.0002	0.2836	3.6100	4.2700		35.50	35.50	30.40	30.40	5.70	5.60	1.68			185.00	330.33	15.73	87.32	85.79
40.0	30-Jun-94		120	Card Sound South	25.31417	-80.34333	1994.49	BB	SCARD	0.49	06	1994	1994-06	0.0266	0.0222	0.0044	0.0368	0.4969	0.0633	0.4336	0.0060	0.0003	0.1995	2.9594	5.7903		36.40	36.40	30.40	30.40	6.30	6.10	1.63			182.01	452.25	23.19	97.06	93.98
40.0	30-Jun-94		121	Card Sound North	25.35500	-80.29167	1994.49	BB	SCARD	0.49	06	1994	1994-06	0.0086	0.0073	0.0013	0.0161	0.3055	0.0247	0.2807	0.0040	0.0006	0.2182	2.9594	3.3460		33.40	33.30	30.00	30.00	5.70	5.70	1.09			171.12	88.25	13.84	85.95	85.90
40.0	30-Jun-94		122	West Arsenicker	25.42017	-80.31083	1994.49	BB	IS	0.49	06	1994	1994-06	0.0110	0.0096	0.0014	0.0142	0.3727	0.0252	0.3475	0.0064	0.0005	0.2431	1.4416	4.2828		36.80	36.80	30.10	30.10	6.40	6.60	0.64			129.87	120.17	8.79	98.64	101.72
40.0	30-Jun-94		123	Pelican Bank	25.44500	-80.28333	1994.49	BB	MAIN	0.49	06	1994	1994-06	0.0137	0.0112	0.0025	0.0193	0.3131	0.0330	0.2801	0.0040	0.0016	0.1932	1.7680	3.7528		36.90	36.80	29.20	29.20	5.50	5.60	0.64			175.41	47.15	18.49	84.27	85.75
40.0	20-Jun-94		124	Midbay South	25.47250	-80.23333	1994.46	BB	MAIN	0.46	06	1994	1994-06	0.0050	0.0038	0.0012	0.0241	0.2668	0.0291	0.2377	0.0036	0.0016	0.2290	0.6052	2.8050		37.60	37.70	29.90	29.90	5.30	5.40	1.09			165.69	39.57	18.07	81.98	83.58
40.0	20-Jun-94		125	Turkey Point	25.47000	-80.28333	1994.46	BB	TP	0.46	06	1994	1994-06	0.0153	0.0129	0.0024	0.0198	0.3125	0.0351	0.2774	0.0044	0.0030	0.1984	0.5886	3.3165		36.80	36.90	29.80	29.80	5.40	5.40	0.45			156.63	25.72	17.60	83.05	83.11
41.0	20-Jul-94		101	Convoy Point	25.47833	-80.32083	1994.55	BB	AS	0.55	07	1994	1994-07	0.1216	0.1196	0.0020	0.0169	0.4238	0.1385	0.2853	0.0052	0.0003	0.5657	0.2727	6.3838		37.40	37.50	31.90	32.00	6.30	6.70	0.60			180.74	989.56	59.08	98.57	104.96
41.0	20-Jul-94		102	Black Point	25.54583	-80.29467	1994.55	BB	AS	0.55	07	1994	1994-07	0.0166	0.0134	0.0032	0.0182	0.3322	0.0348	0.2974	0.0036	0.0012	0.2042	0.2692	4.6288		38.20	37.80	31.70	31.70	5.90	6.40	0.44			206.31	66.27	21.61	92.67	100.27
41.0	20-Jul-94		103	Near Black Ledge	25.57333	-80.28667	1994.55	BB	IS	0.55	07	1994	1994-07	0.0090	0.0071	0.0019	0.0177	0.3216	0.0267	0.2949	0.0028	0.0008	0.1699	0.2028	4.2925		37.50	37.60	31.60	31.60	5.40	5.60	0.42			255.24	76.20	21.17	84.40	87.58
41.0	20-Jul-94		104	BNP Marker C	25.60167	-80.22083	1994.55	BB	MAIN	0.55	07	1994	1994-07	0.0046	0.0034	0.0013	0.0146	0.1660	0.0192	0.1468	0.0033	0.0007	0.1084	0.1650	2.9523		37.00	37.00	31.20	31.20	6.10	6.30	0.79			112.93	60.89	13.05	94.82	97.92
41.0	20-Jul-94		105	Biscayne Channel	25.65417	-80.18667	1994.55	BB	MAIN	0.55	07	1994	1994-07	0.0052	0.0039	0.0014	0.0098	0.1587	0.0150	0.1437	0.0045	0.0002	0.0795	0.2429	3.3653		37.20	37.10	31.30	31.30	6.00	6.20	1.33			78.19	142.67	7.38	93.43	96.49
41.0	20-Jul-94		106	White Marker	25.63417	-80.13000	1994.55	BB	OCHAN	0.55	07	1994	1994-07	0.0011	0.0005	0.0006	0.0040	0.0939	0.0050	0.0889	0.0036	0.0000	0.0904	0.1764	2.7695		36.30	36.30	30.10	29.70	6.30	6.40	0.25			58.33		3.13	96.80	98.06
41.0	20-Jul-94		107	Fowey Rocks	25.59000	-80.10000	1994.55	BB	MAIN	0.55	07	1994	1994-07	0.0022	0.0014	0.0008	0.0041	0.1228	0.0063	0.1165	0.0050	0.0002	0.0416	0.1306	2.5628		35.70	35.70	29.00	29.00	6.00	6.10	0.09			54.81	89.50	2.80	91.10	92.62
41.0	20-Jul-94		108	Marker G-1B	25.56917	-80.19250	1994.55	BB	OCHAN	0.55	07	1994	1994-07	0.0028	0.0018	0.0010	0.0056	0.0936	0.0085	0.0851	0.0031	0.0002	0.0886	0.1088	2.6950		36.80	36.90	31.60	31.70	6.70	7.00	0.52			66.83	121.00	6.05	104.26	109.06
41.0	20-Jul-94		109	Midbay North	25.56417	-80.23500	1994.55	BB	MAIN	0.55	07	1994	1994-07	0.0057	0.0041	0.0016	0.0130	0.1925	0.0188	0.1737	0.0034	0.0007	0.1283	0.1764	3.1983		37.90	37.90	31.20	31.20	5.80	5.90	0.55			124.97	59.56	12.18	90.66	92.22
41.0	20-Jul-94		110	Fender Point	25.50500	-80.28750	1994.55	BB	IS	0.55	07	1994	1994-07	0.0117	0.0091	0.0026	0.0191	0.3308	0.0308	0.3000	0.0034	0.0006	0.1536	0.2211	4.3088		38.50	38.50	31.70	31.70	6.00	6.10	0.47			214.77	110.00	20.00	94.41	95.99
41.0	20-Jul-94		111	Featherbed Bank	25.51583	-80.24000	1994.55	BB	MAIN	0.55	07	1994	1994-07	0.0033	0.0020	0.0013	0.0127	0.2726	0.0160	0.2566	0.0041	0.0005	0.1446	0.2303	3.9908		38.60	38.60	31.30	31.30	6.50	6.40	0.69			146.93	65.29	8.62	102.10	100.53
41.0	20-Jul-94		112	Sands Cut	25.48833	-80.18833	1994.55	BB	MAIN	0.55	07	1994	1994-07	0.0026	0.0014	0.0013	0.0090	0.1083	0.0117	0.0966	0.0033	0.0007	0.0868	0.1638	2.5918		36.90	36.90	29.90	29.90	3.80	3.70	0.43			73.64	37.00	7.93	58.52	56.98
41.0	21-Jul-94		113	Elliott Key	25.44167	-80.22333	1994.55	BB	MAIN	0.55	07	1994	1994-07	0.0054	0.0043	0.0012	0.0224	0.1656	0.0278	0.1378	0.0033	0.0013	0.3073	0.3185	2.9235		37.60	37.60	30.40	30.50	5.40	5.30	0.55			112.62	46.71	18.90	83.82	82.32
41.0	21-Jul-94		114	Caesar Creek	25.38500	-80.19167	1994.55	BB	OCHAN	0.55	07	1994	1994-07	0.0018	0.0008	0.0009	0.0064	0.0716	0.0082	0.0634	0.0033	0.0009	0.0981	0.1673	2.1445		36.30	36.30	29.70	29.70	5.80	6.00	0.42			48.71	21.27	5.57	88.86	91.93
41.0	21-Jul-94		115	Adams Key	25.40417	-80.24083	1994.55	BB	MAIN	0.55	07	1994	1994-07	0.0056	0.0042	0.0014	0.0093	0.0996	0.0149	0.0847	0.0029	0.0005	0.1148	0.1799	2.3605		36.80	36.70	29.80	29.90	4.70	4.70	0.36			74.87	71.00	11.21	72.29	72.29
41.0	21-Jul-94		116	Rubicon Keys	25.40000	-80.25500	1994.55	BB	MAIN	0.55	07	1994	1994-07	0.0062	0.0043	0.0019	0.0103	0.1092	0.0165	0.0928	0.0035	0.0003	0.1203	0.1971	2.5458		37.00	36.90	29.80	29.80	3.80	3.90	0.47			69.36	117.75	10.47	58.52	60.02
41.0	21-Jul-94		117	Totten Key	25.38500	-80.26500	1994.55	BB	MAIN	0.55	07	1994	1994-07	0.0086	0.0071	0.0015	0.0149	0.1516	0.0235	0.1281	0.0032	0.0006	0.2036	0.2463	3.1490		37.00	36.90	29.90	29.90	5.20	5.30	0.55			105.67	84.00	16.39	80.13	81.62
41.0	21-Jul-94		118	Broad Creek	25.34833	-80.25500	1994.55	BB	MAIN	0.55	07	1994	1994-07	0.0059	0.0042	0.0017	0.0094	0.0953	0.0153	0.0800	0.0033	0.0013	0.0944	0.1936	2.6003		36.60	36.60	30.30	30.30	5.20	5.30	0.51			63.33	25.65	10.14	80.16	81.70
41.0	21-Jul-94		119	Pumpkin Key	25.31833	-80.30333	1994.55	BB	SCARD	0.55	07	1994	1994-07	0.0063	0.0047	0.0016	0.0183	0.2987	0.0246	0.2741	0.0050	0.0005	0.2925	0.7905	3.5163		36.40	36.40	30.50	30.50	5.60	5.60	0.97			133.34	100.43	10.98	86.33	86.33
41.0	21-Jul-94		120	Card Sound South	25.31417	-80.34333	1994.55	BB	SCARD	0.55	07	1994	1994-07	0.0111	0.0085	0.0027	0.0376	0.4150	0.0488	0.3662	0.0081	0.0002	0.2999	0.7493	4.1080		35.20	35.20	30.20	30.20	5.60	5.60	1.00			112.91	696.60	13.27	85.51	85.51
41.0	21-Jul-94		121	Card Sound North	25.35500	-80.29167	1994.55	BB	SCARD	0.55	07	1994	1994-07	0.0045	0.0033	0.0013	0.0100	0.1241	0.0145	0.1096	0.0028	0.0001	0.1203	0.2051	2.8160		37.00	36.90	29.60	29.60	4.00	4.20	0.43			98.48	414.00	11.50	61.51	64.54
41.0	21-Jul-94		122	West Arsenicker	25.42017	-80.31083	1994.55	BB	IS	0.55	07	1994	1994-07	0.0132	0.0108	0.0023	0.0239	0.2714	0.0371	0.2343	0.0035	0.0001	0.2629	0.3815	5.8940		37.10	37.00	30.10	30.10	5.50	5.50	0.34			172.29	1059.00	23.53	84.93	84.88
41.0	21-Jul-94		123	Pelican Bank	25.44500	-80.28333	1994.55	BB	MAIN	0.55	07	1994	1994-07	0.0136	0.0106	0.0030	0.0303	0.2313	0.0439	0.1874	0.0035	0.0005	0.1537	0.2692	6.0145		37.10	37.10	30.10	30.10	4.90	5.00	0.51			146.87	179.29	27.89	75.66	77.21
41.0	20-Jul-94		124	Midbay South	25.47250	-80.23333	1994.55	BB	MAIN	0.55	07	1994	1994-07	0.0041	0.0026	0.0015	0.0212	0.1775	0.0253	0.1521	0.0033	0.0019	0.1482	0.2108	3.4155		37.70	37.70	31.20	31.20	6.10	6.20	0.63			120.74	30.17	17.24	95.23	96.79
41.0	20-Jul-94		125	Turkey Point	25.47000	-80.28333	1994.55	BB	TP	0.55	07	1994	1994-07	0.0165	0.0140	0.0025	0.0210	0.3814	0.0375	0.3439	0.0047	0.0046	0.0904	0.2635	4.1528		37.30	37.30	30.60	30.60	5.30	5.20	0.45			178.64	18.17	17.57	82.22	80.67
42.0	17-Aug-94		101	Convoy Point	25.47833	-80.32083	1994.62	BB	AS	0.62	08	1994	1994-08	0.0105	0.0075	0.0030	0.0182	0.2609	0.0287	0.2322	0.0037	0.0005	0.2137	0.1845	3.9125		34.90	34.90	31.20	31.20	6.80	7.00	0.80			155.32	136.83	17.10	104.33	107.40
42.0	17-Aug-94		102	Black Point	25.54583	-80.29467	1994.62	BB	AS	0.62	08	1994	1994-08	0.7430	0.7270	0.0160	0.1558	1.1476	0.8988	0.2488	0.0074	0.0000	0.2647	0.1902	5.5608		23.60	23.60	31.00	31.00	6.30	6.30	0.90			341.54		267.50	90.01	90.01
42.0	17-Aug-94		103	Near Black Ledge	25.57333	-80.28667	1994.62	BB	IS	0.62	08	1994	1994-08	0.2656	0.2496	0.0160	0.0543	0.6513	0.3199	0.3314	0.0055	0.0019	0.3700	0.3162	5.9193		24.40	24.40	31.00	30.90	7.50	7.60	0.45			262.09	380.83	128.73	107.68	109.04
42.0	17-Aug-94		104	BNP Marker C	25.60167	-80.22083	1994.62	BB	MAIN	0.62	08	1994	1994-08	0.0047	0.0029	0.0018	0.0221	0.1528	0.0268	0.1260	0.0040	0.0002	0.1005	0.2796	2.6118		35.50	35.50	29.30	29.30	5.90	5.80	1.20			83.95	255.67	14.75	89.68	88.16
42.0	17-Aug-94		105	Biscayne Channel	25.65417	-80.18667	1994.62	BB	MAIN	0.62	08	1994	1994-08	0.0075	0.0055	0.0020	0.0214	0.1584	0.0288	0.1295	0.0050	0.0004	0.0797	0.4594	2.5255		35.60	35.50	29.30	29.30	5.80	5.80	3.50			69.61	164.80	12.68	88.21	88.16
42.0	17-Aug-94		106	White Marker	25.63417	-80.13000	1994.62	BB	OCHAN	0.62	08	1994	1994-08	0.0015	0.0006	0.0009	0.0115	0.0992	0.0130	0.0862	0.0050	0.0007	0.1387	1.0839	2.4503		35.00	35.00	29.30	29.30	5.70	5.70	0.80			43.62	41.33	5.72	86.37	86.37
42.0	17-Aug-94		107	Fowey Rocks	25.59000	-80.10000	1994.62	BB	MAIN	0.62	08	1994	1994-08	0.0022	0.0012	0.0011	0.0138	0.0804	0.0161	0.0643	0.0047	0.0010	0.0510	0.2406	2.1408		34.80	34.90	29.50	29.30	6.20	6.00	0.35			37.65	35.31	7.52	93.97	90.86
42.0	17-Aug-94		108	Marker G-1B	25.56917	-80.19250	1994.62	BB	OCHAN	0.62	08	1994	1994-08	0.0026	0.0012	0.0015	0.0180	0.1066	0.0206	0.0860	0.0041	0.0005	0.1148	0.1031	2.4130		34.80	34.80	30.00	30.00	6.00	6.00	0.90			57.46	98.17	11.11	91.27	91.27
42.0	17-Aug-94		109	Midbay North	25.56417	-80.23500	1994.62	BB	MAIN	0.62	08	1994	1994-08	0.0048	0.0031	0.0018	0.0187	0.1755	0.0235	0.1520	0.0028	0.0010	0.1387	0.1730	3.2788		37.10	37.10	29.70	29.70	6.10	6.00	1.25			139.27	51.69	18.67	93.93	92.39
42.0	17-Aug-94		110	Fender Point	25.50500	-80.28750	1994.62	BB	IS	0.62	08	1994	1994-08	0.0170	0.0144	0.0026	0.0257	0.2023	0.0427	0.1596	0.0047	0.0006	0.1387	0.1570	3.3380		35.40	35.40	30.70	30.70	6.30	6.30	0.40			96.34	152.63	20.35	96.65	96.65
42.0	17-Aug-94		111	Featherbed Bank	25.51583	-80.24000	1994.62	BB	MAIN	0.62	08	1994	1994-08	0.0046	0.0029	0.0017	0.0206	0.1980	0.0252	0.1728	0.0030	0.0005	0.1403	0.2612	3.3660		37.20	37.20	29.60	29.60	5.50	5.60	1.00			145.05	120.17	18.49	84.68	86.22
42.0	17-Aug-94		112	Sands Cut	25.48833	-80.18833	1994.62	BB	MAIN	0.62	08	1994	1994-08	0.0028	0.0014	0.0014	0.0183	0.1269	0.0211	0.1058	0.0033	0.0005	0.0989	0.3277	2.6645		35.10	35.20	29.10	29.10	4.67	4.80	0.65			84.32	100.50	14.02	70.70	72.71
42.0	16-Aug-94		113	Elliott Key	25.44167	-80.22333	1994.62	BB	MAIN	0.62	08	1994	1994-08	0.0088	0.0071	0.0016	0.0453	0.1562	0.0540	0.1022	0.0049	0.0005	0.2176	0.2062	2.6050		33.90	33.90	29.00	29.00	6.20	6.30	0.75			70.86	257.33	24.51	93.08	94.58
42.0	16-Aug-94		114	Caesar Creek	25.38500	-80.19167	1994.62	BB	OCHAN	0.62	08	1994	1994-08	0.0021	0.0011	0.0011	0.0171	0.0874	0.0192	0.0682	0.0050	0.0006	0.0774	0.1570	2.4788		33.90	33.90	28.90	28.90	6.10	6.20	1.15			39.04	68.63	8.58	91.51	93.01
42.0	16-Aug-94		115	Adams Key	25.40417	-80.24083	1994.62	BB	MAIN	0.62	08	1994	1994-08	0.0068	0.0052	0.0016	0.0301	0.1228	0.0369	0.0860	0.0048	0.0012	0.0977	0.1868	2.7498		34.90	34.90	29.00	29.00	5.60	5.70	0.80			56.60	65.81	16.98	84.60	86.12
42.0	16-Aug-94		116	Rubicon Keys	25.40000	-80.25500	1994.62	BB	MAIN	0.62	08	1994	1994-08	0.0098	0.0077	0.0021	0.0284	0.1661	0.0383	0.1279	0.0053	0.0009	0.1807	0.1948	3.5270		34.40	34.40	29.40	29.40	6.10	6.10	0.80			68.79	99.36	15.84	92.15	92.15
42.0	16-Aug-94		117	Totten Key	25.38500	-80.26500	1994.62	BB	MAIN	0.62	08	1994	1994-08	0.0083	0.0066	0.0017	0.0281	0.1443	0.0364	0.1079	0.0052	0.0003	0.1678	0.2246	3.0273		35.00	35.00	29.30	29.30	6.20	6.20	0.85			61.54	260.00	15.52	93.94	93.94
42.0	16-Aug-94		118	Broad Creek	25.34833	-80.25500	1994.62	BB	MAIN	0.62	08	1994	1994-08	0.0045	0.0032	0.0013	0.0195	0.1284	0.0240	0.1044	0.0047	0.0001	0.1604	0.1913	2.9075		34.70	34.70	29.00	29.00	5.90	5.90	0.95			61.14	687.00	11.45	89.02	89.02
42.0	16-Aug-94		119	Pumpkin Key	25.31833	-80.30333	1994.62	BB	SCARD	0.62	08	1994	1994-08	0.0282	0.0235	0.0047	0.0854	0.5048	0.1136	0.3911	0.0081	0.0000	0.1825	0.4388	6.0615		34.40	34.40	29.50	29.50	6.30	6.50	1.15			137.35		30.92	95.24	98.27
42.0	16-Aug-94		120	Card Sound South	25.31417	-80.34333	1994.62	BB	SCARD	0.62	08	1994	1994-08	0.0303	0.0246	0.0057	0.1019	0.6279	0.1321	0.4958	0.0111	0.0012	0.2342	0.3391	7.5718		32.00	33.00	29.40	29.30	5.70	5.80	1.35			125.46	251.67	26.40	84.82	86.79
42.0	16-Aug-94		121	Card Sound North	25.35500	-80.29167	1994.62	BB	SCARD	0.62	08	1994	1994-08	0.0150	0.0126	0.0024	0.0522	0.3442	0.0672	0.2770	0.0083	0.0006	0.2047	0.4136	5.1735		35.10	35.10	29.70	29.70	6.60	6.60	0.55			91.90	239.88	17.93	100.36	100.36
42.0	17-Aug-94		122	West Arsenicker	25.42017	-80.31083	1994.62	BB	IS	0.62	08	1994	1994-08	0.0118	0.0091	0.0027	0.0282	0.2419	0.0400	0.2019	0.0068	0.0014	0.3923	0.2910	4.6805		34.40	34.50	29.60	29.60	5.30	5.30	1.00			78.54	63.44	12.98	80.19	80.24
42.0	16-Aug-94		123	Pelican Bank	25.44500	-80.28333	1994.62	BB	MAIN	0.62	08	1994	1994-08	0.0173	0.0140	0.0033	0.0415	0.1698	0.0589	0.1109	0.0046	0.0016	0.1696	0.1890	3.4245		35.00	35.00	28.90	28.90	5.70	5.80	0.55			82.22	84.10	28.51	86.10	87.61
42.0	17-Aug-94		124	Midbay South	25.47250	-80.23333	1994.62	BB	MAIN	0.62	08	1994	1994-08	0.0040	0.0024	0.0016	0.0320	0.1776	0.0359	0.1417	0.0047	0.0005	0.1898	0.2120	3.4308		35.80	35.80	29.20	29.30	6.20	6.20	0.55			84.57	146.71	17.12	94.34	94.42
42.0	17-Aug-94		125	Turkey Point	25.47000	-80.28333	1994.62	BB	TP	0.62	08	1994	1994-08	0.0212	0.0186	0.0027	0.0295	0.1782	0.0508	0.1274	0.0043	0.0005	0.1387	0.1741	3.7748		34.80	34.80	29.30	29.30	5.60	5.60	0.60			90.92	207.14	25.89	84.75	84.75
43.0	22-Sep-94		101	Convoy Point	25.47833	-80.32083	1994.72	BB	AS	0.72	09	1994	1994-09	0.2609	0.2448	0.0161	0.0589	0.6539	0.3198	0.3341	0.0078	0.0002	0.3601	0.3941	3.9123		24.50	25.52	28.70	29.00	5.10	4.80	0.60			186.84	3046.00	91.38	72.00	68.37
43.0	22-Sep-94		102	Black Point	25.54583	-80.29467	1994.72	BB	AS	0.72	09	1994	1994-09	0.3984	0.3744	0.0240	0.0497	0.7909	0.4481	0.3428	0.0074	0.0001	0.2783	0.8444	4.2030		20.40	21.40	28.30	28.30	5.70	5.90	0.40			237.88	12803.00	134.77	78.15	81.40
43.0	22-Sep-94		103	Near Black Ledge	25.57333	-80.28667	1994.72	BB	IS	0.72	09	1994	1994-09	0.2499	0.2370	0.0129	0.0390	0.6011	0.2888	0.3122	0.0076	0.0003	0.2253	0.3231	3.6223		24.80	24.90	28.50	28.50	6.20	6.30	0.30			175.23	2063.00	84.20	87.55	89.02

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
43.0	22-Sep-94		104	BNP Marker C	25.60167	-80.22083	1994.72	BB	MAIN	0.72	09	1994	1994-09	0.0156	0.0131	0.0025	0.0177	0.2268	0.0333	0.1935	0.0040	0.0000	0.0839	0.3895	1.9080		33.70	33.80	28.50	28.50	5.20	5.20	0.95			124.63		18.29	77.66	77.71
43.0	22-Sep-94		105	Biscayne Channel	25.65417	-80.18667	1994.72	BB	MAIN	0.72	09	1994	1994-09	0.0173	0.0141	0.0032	0.0130	0.2359	0.0303	0.2056	0.0043	0.0004	0.0751	0.4182	2.1198		32.10	33.00	28.50	28.70	5.50	5.50	0.70			120.34	173.00	15.45	81.32	81.91
43.0	22-Sep-94		106	White Marker	25.63417	-80.13000	1994.72	BB	OCHAN	0.72	09	1994	1994-09	0.0115	0.0091	0.0024	0.0103	0.1950	0.0218	0.1732	0.0040	0.0003	0.0552	0.2841	1.9095		33.10	34.20	28.60	29.00	6.00	5.70	0.07			109.22	155.50	12.20	89.34	85.74
43.0	22-Sep-94		107	Fowey Rocks	25.59000	-80.10000	1994.72	BB	MAIN	0.72	09	1994	1994-09	0.0032	0.0019	0.0012	0.0061	0.1311	0.0092	0.1219	0.0042	0.0005	0.0508	0.4079	1.3553		34.60	35.10	28.70	28.40	6.00	5.90	0.00			69.37	37.71	4.89	90.26	88.82
43.0	22-Sep-94		108	Marker G-1B	25.56917	-80.19250	1994.72	BB	OCHAN	0.72	09	1994	1994-09	0.0026	0.0012	0.0013	0.0089	0.1503	0.0114	0.1389	0.0036	0.0003	0.0773	0.2727	1.5160		34.50	34.50	28.60	28.70	5.10	5.10	0.02			93.38	81.50	7.09	76.61	76.67
43.0	22-Sep-94		109	Midbay North	25.56417	-80.23500	1994.72	BB	MAIN	0.72	09	1994	1994-09	0.0338	0.0303	0.0035	0.0170	0.2310	0.0508	0.1802	0.0040	0.0006	0.1723	0.4640	1.9218		33.20	33.30	28.50	28.50	5.50	5.60	0.50			129.40	181.50	28.47	81.88	83.42
43.0	22-Sep-94		110	Fender Point	25.50500	-80.28750	1994.72	BB	IS	0.72	09	1994	1994-09	0.2670	0.2555	0.0115	0.0521	0.6284	0.3191	0.3093	0.0069	0.0006	0.2408	0.3483	3.6670		26.20	26.50	28.50	28.50	6.00	6.10	0.20			201.74	1139.75	102.45	85.47	87.06
43.0	22-Sep-94		111	Featherbed Bank	25.51583	-80.24000	1994.72	BB	MAIN	0.72	09	1994	1994-09	0.0048	0.0027	0.0021	0.0102	0.2081	0.0150	0.1931	0.0038	0.0002	0.1259	0.2463	1.8515		34.70	34.70	28.40	28.40	4.80	4.90	0.75			121.31	214.00	8.73	72.08	73.58
43.0	22-Sep-94		112	Sands Cut	25.48833	-80.18833	1994.72	BB	MAIN	0.72	09	1994	1994-09	0.0047	0.0030	0.0017	0.0131	0.2145	0.0178	0.1967	0.0042	0.0002	0.1127	0.2796	1.7978		34.00	34.00	28.30	28.30	4.10	4.10	0.15			113.50	254.00	9.41	61.25	61.25
43.0	23-Sep-94		113	Elliott Key	25.44167	-80.22333	1994.72	BB	MAIN	0.72	09	1994	1994-09	0.0263	0.0233	0.0030	0.0369	0.3059	0.0632	0.2427	0.0048	0.0001	0.1057	0.2704	2.2975		34.40	34.50	29.80	29.30	5.10	5.30	1.00			140.97	1805.00	29.11	77.27	80.06
43.0	23-Sep-94		114	Caesar Creek	25.38500	-80.19167	1994.72	BB	OCHAN	0.72	09	1994	1994-09	0.0037	0.0017	0.0020	0.0092	0.1722	0.0130	0.1593	0.0036	0.0003	0.0692	0.1776	1.5455		34.40	34.40	29.30	29.30	5.60	5.80	1.00			104.70	92.50	7.87	84.53	87.55
43.0	23-Sep-94		115	Adams Key	25.40417	-80.24083	1994.72	BB	MAIN	0.72	09	1994	1994-09	0.0097	0.0075	0.0022	0.0114	0.1971	0.0211	0.1760	0.0044	0.0002	0.0980	0.1799	2.0513		33.80	33.80	29.30	29.30	4.90	5.00	1.25			98.77	301.00	10.56	73.69	75.19
43.0	23-Sep-94		116	Rubicon Keys	25.40000	-80.25500	1994.72	BB	MAIN	0.72	09	1994	1994-09	0.0086	0.0061	0.0025	0.0176	0.2582	0.0262	0.2320	0.0047	0.0003	0.1691	0.2796	2.0955		34.00	34.00	29.30	29.30	4.40	4.60	1.80			122.94	187.25	12.48	66.25	69.26
43.0	23-Sep-94		117	Totten Key	25.38500	-80.26500	1994.72	BB	MAIN	0.72	09	1994	1994-09	0.0155	0.0125	0.0030	0.0209	0.3343	0.0364	0.2979	0.0045	0.0005	0.2153	0.2566	2.5353		33.30	33.30	29.30	29.30	4.60	4.70	1.25			164.67	148.43	17.91	68.96	70.46
43.0	23-Sep-94		118	Broad Creek	25.34833	-80.25500	1994.72	BB	MAIN	0.72	09	1994	1994-09	0.0069	0.0048	0.0021	0.0109	0.2200	0.0178	0.2022	0.0040	0.0005	0.1038	0.2200	1.9265		34.00	34.00	29.20	29.20	5.10	5.00	1.20			120.87	84.67	9.77	76.73	75.23
43.0	23-Sep-94		119	Pumpkin Key	25.31833	-80.30333	1994.72	BB	SCARD	0.72	09	1994	1994-09	0.0552	0.0467	0.0085	0.0763	0.6860	0.1315	0.5545	0.0053	0.0000	0.1980	0.3964	5.2888		31.80	32.90	29.10	29.30	5.80	6.10	0.90			284.04		54.45	86.00	91.22
43.0	23-Sep-94		120	Card Sound South	25.31417	-80.34333	1994.72	BB	SCARD	0.72	09	1994	1994-09	0.0480	0.0385	0.0095	0.0807	0.8099	0.1287	0.6813	0.0074	0.0004	0.2229	0.3437	7.4395		28.50	31.40	29.00	29.50	5.30	5.00	0.35			243.59	735.20	38.69	76.92	74.18
43.0	23-Sep-94		121	Card Sound North	25.35500	-80.29167	1994.72	BB	SCARD	0.72	09	1994	1994-09	0.0284	0.0243	0.0041	0.0315	0.4920	0.0600	0.4321	0.0052	0.0004	0.1960	0.4262	4.3628		33.30	33.30	29.50	29.50	4.80	4.80	0.45			209.82	342.60	25.57	72.07	72.07
43.0	23-Sep-94		122	West Arsenicker	25.42017	-80.31083	1994.72	BB	IS	0.72	09	1994	1994-09	0.3116	0.2981	0.0135	0.0288	0.6627	0.3404	0.3222	0.0096	0.0003	0.1922	0.2945	4.2763		25.30	32.70	29.00	29.50	6.10	6.00	0.65			152.69	2431.50	78.44	86.77	89.75
43.0	23-Sep-94		123	Pelican Bank	25.44500	-80.28333	1994.72	BB	MAIN	0.72	09	1994	1994-09	0.1352	0.1277	0.0076	0.0278	0.4507	0.1630	0.2876	0.0027	0.0005	0.1461	0.2532	2.9168		30.70	33.00	29.10	29.30	5.60	5.70	0.50			367.90	776.33	133.09	82.47	85.29
43.0	22-Sep-94		124	Midbay South	25.47250	-80.23333	1994.72	BB	MAIN	0.72	09	1994	1994-09	0.0183	0.0152	0.0031	0.0326	0.3066	0.0508	0.2558	0.0034	0.0004	0.2827	0.2395	2.5490		34.20	34.20	28.40	28.40	5.70	5.80	0.55			199.11	290.40	33.00	85.33	86.82
43.0	22-Sep-94		125	Turkey Point	25.47000	-80.28333	1994.72	BB	TP	0.72	09	1994	1994-09	0.1086	0.1012	0.0074	0.0427	0.4048	0.1513	0.2535	0.0030	0.0005	0.1568	0.2566	4.4923		30.40	32.90	27.80	28.60	5.90	5.10	0.00			296.55	720.50	110.85	85.79	75.85
44.0	11-Oct-94		101	Convoy Point	25.47833	-80.32083	1994.77	BB	AS	0.77	10	1994	1994-10	0.2232	0.2151	0.0081	0.0271	0.5408	0.2503	0.2905	0.0056	0.0012	0.1425	0.3002	3.7028		21.90	25.20	30.30	31.10	6.30	7.80	0.23			214.61	447.00	99.33	88.62	112.62
44.0	11-Oct-94		102	Black Point	25.54583	-80.29467	1994.77	BB	AS	0.77	10	1994	1994-10	0.2365	0.2244	0.0121	0.0331	0.6179	0.2696	0.3483	0.0071	0.0022	0.2445	0.4251	4.7975		19.60	19.60	30.20	30.30	7.40	7.50	0.75			191.91	275.11	83.73	102.54	104.00
44.0	11-Oct-94		103	Near Black Ledge	25.57333	-80.28667	1994.77	BB	IS	0.77	10	1994	1994-10	0.1471	0.1419	0.0052	0.0125	0.4170	0.1596	0.2574	0.0047	0.0011	0.1537	0.2028	3.3290		25.70	25.80	29.90	29.90	6.70	6.50	0.45			195.33	325.71	74.75	96.22	93.40
44.0	11-Oct-94		104	BNP Marker C	25.60167	-80.22083	1994.77	BB	MAIN	0.77	10	1994	1994-10	0.0435	0.0409	0.0026	0.0129	0.2354	0.0564	0.1791	0.0051	0.0009	0.1145	0.1833	2.2453		32.60	32.70	29.20	29.20	5.40	5.50	1.00			101.92	146.36	24.39	80.54	82.08
44.0	11-Oct-94		105	Biscayne Channel	25.65417	-80.18667	1994.77	BB	MAIN	0.77	10	1994	1994-10	0.0434	0.0398	0.0035	0.0104	0.2805	0.0538	0.2268	0.0053	0.0023	0.1062	0.2727	2.7418		29.00	30.90	28.80	29.00	5.50	5.60	0.45			116.17	51.23	22.28	79.94	82.51
44.0	11-Oct-94		106	White Marker	25.63417	-80.13000	1994.77	BB	OCHAN	0.77	10	1994	1994-10	0.0069	0.0053	0.0015	0.0054	0.1850	0.0123	0.1727	0.0055	0.0021	0.1355	0.3288	2.2310		31.90	34.60	29.00	29.00	5.30	5.70	1.00			74.46	13.00	4.94	78.58	85.95
44.0	11-Oct-94		107	Fowey Rocks	25.59000	-80.10000	1994.77	BB	MAIN	0.77	10	1994	1994-10	0.0015	0.0009	0.0006	0.0025	0.1415	0.0040	0.1375	0.0050	0.0013	0.1076	0.2234	1.8880		33.40	34.80	29.20	29.00	6.10	5.80	0.00			62.18	6.71	1.75	91.44	87.57
44.0	11-Oct-94		108	Marker G-1B	25.56917	-80.19250	1994.77	BB	OCHAN	0.77	10	1994	1994-10	0.0032	0.0020	0.0012	0.0060	0.1432	0.0092	0.1341	0.0050	0.0002	0.0559	0.1673	1.9640		32.70	32.70	29.50	29.50	5.40	5.30	0.55			63.94	131.00	4.09	80.77	79.28
44.0	11-Oct-94		109	Midbay North	25.56417	-80.23500	1994.77	BB	MAIN	0.77	10	1994	1994-10	0.0184	0.0159	0.0026	0.0136	0.1644	0.0320	0.1324	0.0056	0.0007	0.0964	0.2578	2.0478		33.60	33.50	29.60	29.60	5.70	5.70	1.65			65.26	101.67	12.71	85.81	85.75
44.0	11-Oct-94		110	Fender Point	25.50500	-80.28750	1994.77	BB	IS	0.77	10	1994	1994-10	0.1864	0.1800	0.0064	0.0295	0.4826	0.2158	0.2667	0.0053	0.0026	0.1774	0.2234	3.3170		23.60	24.70	30.10	30.30	6.60	7.40	0.30			199.83	186.88	89.38	93.69	105.92
44.0	11-Oct-94		111	Featherbed Bank	25.51583	-80.24000	1994.77	BB	MAIN	0.77	10	1994	1994-10	0.0208	0.0179	0.0029	0.0209	0.2370	0.0418	0.1952	0.0046	0.0003	0.1313	0.1764	2.3728		33.50	33.60	29.00	29.00	5.10	5.10	0.65			114.75	298.25	20.22	76.38	76.42
44.0	11-Oct-94		112	Sands Cut	25.48833	-80.18833	1994.77	BB	MAIN	0.77	10	1994	1994-10	0.0020	0.0012	0.0008	0.0114	0.1538	0.0134	0.1404	0.0051	0.0010	0.0852	0.2658	1.9893		34.30	34.20	29.50	29.60	4.80	4.90	0.55			66.58	29.54	5.82	72.52	74.04
44.0	11-Oct-94		113	Elliott Key	25.44167	-80.22333	1994.77	BB	MAIN	0.77	10	1994	1994-10	0.0250	0.0232	0.0018	0.0312	0.2308	0.0562	0.1746	0.0046	0.0006	0.0882	0.1696	1.8725		33.10	33.00	29.10	28.90	5.70	5.70	0.35			111.78	200.75	27.22	85.21	85.03
44.0	11-Oct-94		114	Caesar Creek	25.38500	-80.19167	1994.77	BB	OCHAN	0.77	10	1994	1994-10	0.0104	0.0086	0.0018	0.0104	0.1839	0.0208	0.1632	0.0048	0.0011	0.0456	0.1455	1.9468		34.40	34.80	29.40	29.10	5.20	5.40	0.80			84.77	42.43	9.58	78.56	81.59
44.0	11-Oct-94		115	Adams Key	25.40417	-80.24083	1994.77	BB	MAIN	0.77	10	1994	1994-10	0.0175	0.0151	0.0024	0.0145	0.2309	0.0320	0.1988	0.0051	0.0012	0.0852	0.2372	2.4588		32.80	32.90	29.20	29.00	4.90	5.00	0.50			99.94	61.00	13.86	73.17	74.60
44.0	11-Oct-94		116	Rubicon Keys	25.40000	-80.25500	1994.77	BB	MAIN	0.77	10	1994	1994-10	0.0226	0.0196	0.0030	0.0193	0.2401	0.0419	0.1982	0.0053	0.0010	0.1043	0.2280	2.7360		32.50	33.00	29.10	29.00	4.70	5.10	0.90			100.87	92.08	17.60	70.00	76.14
44.0	11-Oct-94		117	Totten Key	25.38500	-80.26500	1994.77	BB	MAIN	0.77	10	1994	1994-10	0.0499	0.0452	0.0047	0.0497	0.4380	0.0996	0.3384	0.0047	0.0002	0.1102	0.3368	3.8375		30.70	30.70	29.20	29.50	5.50	5.60	0.65			205.15	1422.50	46.64	81.06	82.53
44.0	11-Oct-94		118	Broad Creek	25.34833	-80.25500	1994.77	BB	MAIN	0.77	10	1994	1994-10	0.0189	0.0160	0.0029	0.0119	0.2891	0.0308	0.2583	0.0043	0.0003	0.0823	0.2223	2.6100		32.90	32.90	29.50	29.50	5.20	5.30	1.25			147.48	220.00	15.71	77.88	79.38
44.0	11-Oct-94		119	Pumpkin Key	25.31833	-80.30333	1994.77	BB	SCARD	0.77	10	1994	1994-10	0.0753	0.0654	0.0099	0.1213	0.6886	0.1965	0.4921	0.0062	0.0016	0.0764	0.5729	5.6798		27.40	29.40	29.70	29.50	5.50	5.50	0.60			245.94	280.75	70.19	79.71	80.59
44.0	11-Oct-94		120	Card Sound South	25.31417	-80.34333	1994.77	BB	SCARD	0.77	10	1994	1994-10	0.0775	0.0673	0.0102	0.1096	0.6956	0.1871	0.5085	0.0061	0.0009	0.1087	0.4090	5.9553		25.90	29.40	28.80	29.60	5.70	4.60	0.20			251.59	445.58	67.68	81.25	67.45
44.0	11-Oct-94		121	Card Sound North	25.35500	-80.29167	1994.77	BB	SCARD	0.77	10	1994	1994-10	0.0664	0.0587	0.0077	0.1015	0.5777	0.1679	0.4098	0.0057	0.0012	0.0867	0.2910	5.4373		28.70	31.30	29.30	29.40	5.70	5.70	0.35			223.05	319.87	64.84	83.02	84.45
44.0	11-Oct-94		122	West Arsenicker	25.42017	-80.31083	1994.77	BB	IS	0.77	10	1994	1994-10	0.0550	0.0505	0.0045	0.0258	0.4024	0.0808	0.3216	0.0057	0.0013	0.2586	0.2532	3.8953		29.70	29.20	29.70	29.80	6.20	6.20	0.30			155.35	135.76	31.19	91.15	90.94
44.0	11-Oct-94		123	Pelican Bank	25.44500	-80.28333	1994.77	BB	MAIN	0.77	10	1994	1994-10	0.1470	0.1394	0.0076	0.0323	0.4068	0.1793	0.2276	0.0066	0.0012	0.1587	0.2486	3.6453		29.50	29.60	29.00	29.00	5.30	5.70	0.40			136.75	341.47	60.26	77.40	83.30
44.0	11-Oct-94		124	Midbay South	25.47250	-80.23333	1994.77	BB	MAIN	0.77	10	1994	1994-10	0.0361	0.0338	0.0023	0.0370	0.2584	0.0731	0.1853	0.0044	0.0006	0.1551	0.1421	3.1925		31.90	32.60	29.00	29.00	5.90	5.90	0.65			129.54	261.00	36.63	87.47	87.86
44.0	11-Oct-94		125	Turkey Point	25.47000	-80.28333	1994.77	BB	TP	0.77	10	1994	1994-10	0.2610	0.2526	0.0084	0.0317	0.4232	0.2927	0.1305	0.0067	0.0012	0.1257	0.2280	4.1483		21.30	30.50	27.30	29.30	6.40	5.50	0.25			140.61	557.53	97.24	87.44	81.02
45.0	07-Nov-94		101	Convoy Point	25.47833	-80.32083	1994.85	BB	AS	0.85	11	1994	1994-11	0.1453	0.1302	0.0151	0.0520	0.5240	0.1973	0.3267	0.0088	0.0018	0.3097	0.2337	3.9248		22.00	21.90	26.50	26.50	9.30	9.70	0.80			131.32	245.09	49.45	126.63	131.99
45.0	07-Nov-94		102	Black Point	25.54583	-80.29467	1994.85	BB	AS	0.85	11	1994	1994-11	0.0752	0.0674	0.0078	0.0137	0.4402	0.0889	0.3513	0.0104	0.0015	0.1887	0.4125	4.1310		23.90	26.30	26.00	26.00	8.10	9.10	0.60			93.86	133.68	18.96	111.07	126.71
45.0	07-Nov-94		103	Near Black Ledge	25.57333	-80.28667	1994.85	BB	IS	0.85	11	1994	1994-11	0.0344	0.0312	0.0032	0.0087	0.3396	0.0431	0.2965	0.0078	0.0008	0.0926	0.1707	2.5365		29.90	29.80	26.10	26.20	7.80	8.30	0.35			97.02	123.10	12.31	111.25	118.42
45.0	07-Nov-94		104	BNP Marker C	25.60167	-80.22083	1994.85	BB	MAIN	0.85	11	1994	1994-11	0.0114	0.0081	0.0033	0.0109	0.2991	0.0223	0.2768	0.0086	0.0000	0.0392	0.3288	1.8840		33.40	33.70	25.80	25.60	6.00	6.10	1.30			76.99		5.74	87.25	88.69
45.0	07-Nov-94		105	Biscayne Channel	25.65417	-80.18667	1994.85	BB	MAIN	0.85	11	1994	1994-11	0.0155	0.0123	0.0033	0.0081	0.2957	0.0236	0.2721	0.0091	0.0000	0.0463	0.1776	1.9835		33.50	33.40	26.30	26.30	6.30	6.30	1.35			71.60		5.71	92.13	92.07
45.0	07-Nov-94		106	White Marker	25.63417	-80.13000	1994.85	BB	OCHAN	0.85	11	1994	1994-11	0.0150	0.0121	0.0029	0.0147	0.2988	0.0297	0.2691	0.0108	0.0001	0.0338	0.8387	1.3618		34.90	35.20	26.80	26.90	6.30	6.20	0.40			61.42	849.00	6.11	93.40	92.18
45.0	07-Nov-94		107	Fowey Rocks	25.59000	-80.10000	1994.85	BB	MAIN	0.85	11	1994	1994-11	0.0038	0.0026	0.0012	0.0045	0.1941	0.0083	0.1858	0.0084	0.0008	0.0356	0.3884	1.2095		35.90	35.90	27.20	27.20	6.20	6.20	0.25			51.35	23.80	2.20	92.85	92.85
45.0	07-Nov-94		108	Marker G-1B	25.56917	-80.19250	1994.85	BB	OCHAN	0.85	11	1994	1994-11	0.0039	0.0021	0.0018	0.0053	0.3141	0.0091	0.3050	0.0084	0.0011	0.0676	0.2165	2.1200		32.40	32.50	25.90	25.90	6.80	6.90	1.35			83.10	18.64	2.42	98.35	99.86
45.0	07-Nov-94		109	Midbay North	25.56417	-80.23500	1994.85	BB	MAIN	0.85	11	1994	1994-11	0.0079	0.0054	0.0025	0.0099	0.2636	0.0177	0.2458	0.0084	0.0012	0.0659	0.2360	1.6363		35.00	35.00	25.90	25.90	7.00	7.10	0.95			69.73	31.69	4.69	102.95	104.42
45.0	07-Nov-94		110	Fender Point	25.50500	-80.28750	1994.85	BB	IS	0.85	11	1994	1994-11	0.1151	0.1076	0.0075	0.0367	0.4067	0.1518	0.2549	0.0081	0.0022	0.1335	0.1810	3.9343		27.60	27.80	26.00	26.00	7.60	8.30	0.35			111.72	154.89	41.70	106.71	116.68
45.0	07-Nov-94		111	Featherbed Bank	25.51583	-80.24000	1994.85	BB	MAIN	0.85	11	1994	1994-11	0.0100	0.0074	0.0027	0.0107	0.2350	0.0208	0.2142	0.0082	0.0004	0.0819	0.1615	1.7755		34.40	34.40	25.40	25.40	5.90	9.20	0.90			63.33	118.80	5.60	86.00	134.09
45.0	07-Nov-94		112	Sands Cut	25.48833	-80.18833	1994.85	BB	MAIN	0.85	11	1994	1994-11	0.0023	0.0009	0.0014	0.0061	0.1914	0.0084	0.1830	0.0085	0.0002	0.0481	0.2269	1.7340		34.90	34.90	25.40	25.40	6.10	6.10	1.40			49.72	79.67	2.17	89.20	89.20
45.0	08-Nov-94		113	Elliott Key	25.44167	-80.22333	1994.85	BB	MAIN	0.85	11	1994	1994-11	0.0035	0.0021	0.0014	0.0088	0.1986	0.0124	0.1862	0.0079	0.0000	0.1328	0.2372	2.5175		35.00	35.00	25.10	25.10	7.70	7.60	0.08			55.62		3.46	112.31	110.85
45.0	08-Nov-94		114	Caesar Creek	25.38500	-80.19167	1994.85	BB	OCHAN	0.85	11	1994	1994-11	0.0020	0.0008	0.0012	0.0039	0.2065	0.0059	0.2006	0.0091	0.0007	0.0867	0.3208	2.1330		35.30	35.40	25.40	25.40	7.60	7.60	2.35			50.43	18.78	1.44	111.42	111.49
45.0	08-Nov-94		115	Adams Key	25.40417	-80.24083	1994.85	BB	MAIN	0.85	11	1994	1994-11	0.0292	0.0257	0.0035	0.0169	0.2332	0.0461	0.1871	0.0081	0.0009	0.0659	0.2223	2.9063		32.60	32.60	25.40	25.40	8.00	8.00	0.85			63.46	119.73	12.54	115.26	115.26
45.0	08-Nov-94		116	Rubicon Keys	25.40000	-80.25500	1994.85	BB	MAIN	0.85	11	1994	1994-11	0.0246	0.0216	0.0030	0.0154	0.2340	0.0399	0.1941	0.0081	0.0011	0.0867	0.2395	2.9178		32.70	32.70	25.40	25.40	7.80	7.70	0.45			64.30	81.50	10.97	112.45	111.01
45.0	08-Nov-94		117	Totten Key	25.38500	-80.26500	1994.85	BB	MAIN	0.85	11	1994	1994-11	0.0372	0.0343	0.0029	0.0217	0.7134	0.0589	0.6545	0.0092	0.0015	0.1070	0.2670	3.6735		31.30	31.90	25.30	25.30	7.60	7.60	0.40			171.27	88.58	14.14	108.47	108.89
45.0	08-Nov-94		118	Broad Creek	25.34833	-80.25500	1994.85	BB	MAIN	0.85	11	1994	1994-11	0.0191	0.0162	0.0029	0.0132	0.9009	0.0322	0.8687	0.0091	0.0007	0.0941	0.2624	3.2765		32.40	32.30	25.30	25.30	7.60	7.60	0.75			218.14	102.33	7.81	109.24	109.17
45.0	08-Nov-94		119	Pumpkin Key	25.31833	-80.30333	1994.85	BB	SCARD	0.85	11	1994	1994-11	0.0456	0.0361	0.0096	0.0498	1.3248	0.0954	1.2294	0.0095	0.0003	0.1384	0.5144	4.7618		29.20	29.20	25.90	25.80	7.80	7.90	0.50			310.26	681.50	22.34	110.53	111.83
45.0	08-Nov-94		120	Card Sound South	25.31417	-80.34333	1994.85	BB	SCARD	0.85	11	1994	1994-11	0.0464	0.0404	0.0061	0.0326	1.1051	0.0790	1.0261	0.0098	0.0013	0.1236	0.4262	4.6963		29.90	29.90	25.60	25.60	7.60	7.70	1.10			248.61	132.71	17.76	107.84	109.26
45.0	08-Nov-94		121	Card Sound North	25.35500	-80.29167	1994.85	BB	SCARD	0.85	11	1994	1994-11	0.0163	0.0130	0.0033	0.0172	0.6167	0.0336	0.5832	0.0079	0.0017	0.0996	0.2887	3.3610		32.00	32.00	25.60	25.60	7.90	7.90	0.30			172.75	43.59	9.40	113.62	113.62
45.0	08-Nov-94		122	West Arsenicker	25.42017	-80.31083	1994.85	BB	IS	0.85	11	1994	1994-11	0.0194	0.0153	0.0041	0.0146	0.6524	0.0340	0.6184	0.0060	0.0024	0.4502	0.2120	6.0615		26.50	26.50	25.90	25.90	6.70	6.70	0.20			238.96	31.32	12.45	93.31	93.31
45.0	08-Nov-94		123	Pelican Bank	25.44500	-80.28333	1994.85	BB	MAIN	0.85	11	1994	1994-11	0.0771	0.0713	0.0058	0.0265	0.7224	0.1036	0.6188	0.0058	0.0032	0.1863	0.1673	3.7713		26.30	27.60	25.20	25.20	7.00	6.20	0.16			275.19	72.20	39.47	96.65	86.32
45.0	08-Nov-94		124	Midbay South	25.47250	-80.23333	1994.85	BB	MAIN	0.85	11	1994	1994-11	0.0151	0.0122	0.0029	0.0541	0.6817	0.0692	0.6125	0.0047	0.0019	0.1193	0.2280	2.2558		33.00	33.00	25.30	25.30	6.30	6.20	1.70			319.29	79.04	32.39	90.91	89.46
45.0	08-Nov-94		125	Turkey Point	25.47000	-80.28333	1994.85	BB	TP	0.85	11	1994	1994-11	0.0679	0.0628	0.0052	0.0287	0.8492	0.0966	0.7525	0.0067	0.0019	0.1210	0.1925	2.5915		29.70	30.20	25.10	25.30	6.30	6.40	0.25			278.87	110.44	31.74	88.81	90.70
46.0	07-Dec-94		101	Convoy Point	25.47833	-80.32083	1994.93	BB	AS	0.93	12	1994	1994-12	0.3269	0.3120	0.0150	0.0328	0.7147	0.3597	0.3550	0.0060	0.0005	0.2049	0.3489	3.7740		17.70	18.00	27.30	27.30	8.00	8.70	0.55			265.20	1712.83	133.47	106.83	116.40
46.0	07-Dec-94		102	Black Point	25.54583	-80.29467	1994.93	BB	AS	0.93	12	1994	1994-12	0.3518	0.3304	0.0214	0.0349	0.7337	0.3868	0.3469	0.0070	0.0007	0.2331	0.3515	4.8435		16.10	16.40	27.00	26.90	8.20	8.40	0.50			232.92	1227.78	122.78	108.08	110.81
46.0	07-Dec-94		103	Near Black Ledge	25.57333	-80.28667	1994.93	BB	IS	0.93	12	1994	1994-12	0.1554	0.1494	0.0060	0.0212	0.4991	0.1766	0.3224	0.0072	0.0010	0.0940	0.2299	3.2745		25.50	25.50	26.60	26.60	6.80	6.80	0.85			153.33	388.23	54.27	94.77	94.77
46.0	07-Dec-94		104	BNP Marker C	25.60167	-80.22083	1994.93	BB	MAIN	0.93	12	1994	1994-12	0.0503	0.0462	0.0041	0.0184	0.3071	0.0687	0.2384	0.0055	0.0019	0.0884	0.2794	2.8863		29.70	29.70	25.90	25.90	6.30	6.40	2.40			123.57	78.52	27.65	89.56	90.98
46.0	07-Dec-94		105	Biscayne Channel	25.65417	-80.18667	1994.93	BB	MAIN	0.93	12	1994	1994-12	0.0485	0.0438	0.0047	0.0193	0.2697	0.0678	0.2020	0.0061	0.0025	0.1071	0.4732	2.8228		29.50	29.50	25.90	25.90	6.30	6.30	3.15			97.55	60.50	24.51	89.44	89.44
46.0	07-Dec-94		106	White Marker	25.63417	-80.13000	1994.93	BB	OCHAN	0.93	12	1994	1994-12	0.0345	0.0307	0.0038	0.0175	0.2104	0.0520	0.1583	0.0059	0.0017	0.1241	0.5280	2.5860		32.00	34.50	26.30	26.60	6.20	6.40	1.50			79.09	67.59	19.57	89.80	94.65
46.0	07-Dec-94		107	Fowey Rocks	25.59000	-80.10000	1994.93	BB	MAIN	0.93	12	1994	1994-12	0.0076	0.0058	0.0017	0.0091	0.1189	0.0166	0.1023	0.0049	0.0016	0.0790	0.5601	2.4400		34.80	35.70	27.00	27.10	6.30	6.40	0.60			53.93	23.75	7.54	93.52	95.63
46.0	07-Dec-94		108	Marker G-1B	25.56917	-80.19250	1994.93	BB	OCHAN	0.93	12	1994	1994-12	0.0063	0.0042	0.0021	0.0106	0.1880	0.0169	0.1711	0.0055	0.0013	0.0395	0.2807	2.2653		33.10	33.10	26.60	26.50	6.20	6.50	1.75			75.67	28.41	6.80	90.70	95.00
46.0	07-Dec-94		109	Midbay North	25.56417	-80.23500	1994.93	BB	MAIN	0.93	12	1994	1994-12	0.0538	0.0499	0.0039	0.0186	0.2440	0.0723	0.1716	0.0053	0.0014	0.0959	0.3302	2.8980		29.90	30.00	26.30	26.20	6.30	6.70	1.95			102.51	114.83	30.40	90.04	95.72
46.0	07-Dec-94		110	Fender Point	25.50500	-80.28750	1994.93	BB	IS	0.93	12	1994	1994-12	0.3893	0.3766	0.0127	0.0493	0.6272	0.4386	0.1886	0.0099	0.0039	0.2350	0.2780	4.9128		18.30	18.50	27.10	27.10	7.70	7.70	1.45			140.01	250.64	97.91	103.02	103.15
46.0	07-Dec-94		111	Featherbed Bank	25.51583	-80.24000	1994.93	BB	MAIN	0.93	12	1994	1994-12	0.0821	0.0779	0.0042	0.0286	0.3205	0.1107	0.2099	0.0051	0.0012	0.1090	0.2312	2.8745		29.00	29.00	25.90	25.90	6.30	6.40	1.40			138.76	197.63	47.91	89.16	90.57
46.0	07-Dec-94		112	Sands Cut	25.48833	-80.18833	1994.93	BB	MAIN	0.93	12	1994	1994-12	0.0128	0.0103	0.0025	0.0159	0.1666	0.0286	0.1380	0.0056	0.0006	0.1034	0.2754	2.2908		33.30	33.30	25.90	25.90	5.70	5.90	1.90			66.12	102.25	11.36	82.92	85.83
46.0	08-Dec-94		113	Elliott Key	25.44167	-80.22333	1994.93	BB	MAIN	0.93	12	1994	1994-12	0.0505	0.0482	0.0024	0.0364	0.2735	0.0870	0.1865	0.0050	0.0018	0.1349	0.1911	2.3270		29.70	29.90	26.60	26.60	6.50	6.60	1.05			122.08	108.04	38.83	93.05	94.60
46.0	08-Dec-94		114	Caesar Creek	25.38500	-80.19167	1994.93	BB	OCHAN	0.93	12	1994	1994-12	0.0146	0.0120	0.0026	0.0120	0.1795	0.0291	0.1503	0.0044	0.0006	0.0912	0.2219	2.2528		33.70	35.30	26.40	26.60	6.10	5.70	1.85			89.95	104.00	14.60	89.41	84.56
46.0	08-Dec-94		115	Adams Key	25.40417	-80.24083	1994.93	BB	MAIN	0.93	12	1994	1994-12	0.0488	0.0454	0.0034	0.0211	0.2612	0.0699	0.1913	0.0048	0.0017	0.1178	0.1925	2.3385		30.80	30.90	26.30	26.30	5.90	6.00	3.50			120.37	90.82	32.23	84.81	86.30
46.0	08-Dec-94		116	Rubicon Keys	25.40000	-80.25500	1994.93	BB	MAIN	0.93	12	1994	1994-12	0.0464	0.0425	0.0040	0.0278	0.2909	0.0742	0.2167	0.0060	0.0019	0.1292	0.1831	3.1883		30.00	31.10	26.20	26.30	5.60	6.00	0.75			107.95	88.38	27.55	80.00	86.41
46.0	08-Dec-94		117	Totten Key	25.38500	-80.26500	1994.93	BB	MAIN	0.93	12	1994	1994-12	0.0820	0.0757	0.0062	0.0530	0.4342	0.1349	0.2993	0.0091	0.0022	0.1387	0.2633	3.9815		26.30	26.30	26.30	26.30	6.20	6.20	1.00			105.14	137.68	32.67	86.59	86.59
46.0	08-Dec-94		118	Broad Creek	25.34833	-80.25500	1994.93	BB	MAIN	0.93	12	1994	1994-12	0.0637	0.0585	0.0053	0.0303	0.3968	0.0940	0.3028	0.0072	0.0017	0.1482	0.3061	3.4448		28.50	28.50	26.10	26.10	5.60	5.60	1.70			121.89	122.09	28.88	79.16	79.16
46.0	08-Dec-94		119	Pumpkin Key	25.31833	-80.30333	1994.93	BB	SCARD	0.93	12	1994	1994-12	0.1060	0.0933	0.0127	0.1120	0.5975	0.2180	0.3795	0.0103	0.0025	0.1197	0.3930	5.0848		23.50	30.60	25.90	26.60	6.10	5.30	1.40			128.36	194.66	46.83	83.34	76.31
46.0	08-Dec-94		120	Card Sound South	25.31417	-80.34333	1994.93	BB	SCARD	0.93	12	1994	1994-12	0.1060	0.0921	0.0139	0.0993	0.6449	0.2053	0.4396	0.0122	0.0026	0.1540	0.3101	5.6088		21.40	23.60	26.30	26.60	5.90	4.90	1.20			117.36	172.53	37.36	79.86	67.47
46.0	08-Dec-94		121	Card Sound North	25.35500	-80.29167	1994.93	BB	SCARD	0.93	12	1994	1994-12	0.0938	0.0749	0.0189	0.0768	0.5162	0.1706	0.3457	0.0130	0.0022	0.2053	0.2874	4.6130		24.30	29.40	25.70	26.70	6.70	5.60	0.85			87.79	174.04	29.01	91.81	80.09
46.0	08-Dec-94		122	West Arsenicker	25.42017	-80.31083	1994.93	BB	IS	0.93	12	1994	1994-12	0.0867	0.0787	0.0079	0.0254	0.3167	0.1121	0.2046	0.0093	0.0026	0.2870	0.2754	4.6975		22.10	22.00	26.00	26.00	6.50	6.60	1.00			75.41	94.21	26.69	88.11	89.40
46.0	08-Dec-94		123	Pelican Bank	25.44500	-80.28333	1994.93	BB	MAIN	0.93	12	1994	1994-12	0.0954	0.0915	0.0039	0.0328	0.4070	0.1282	0.2788	0.0069	0.0018	0.0931	0.1043	3.6223		25.70	25.80	26.60	26.50	6.60	6.60	0.85			130.64	159.26	41.16	92.10	92.07
46.0	08-Dec-94		124	Midbay South	25.47250	-80.23333	1994.93	BB	MAIN	0.93	12	1994	1994-12	0.0941	0.0903	0.0038	0.0593	0.4754	0.1534	0.3220	0.0057	0.0012	0.1598	0.1992	2.8338		28.00	29.60	25.70	26.00	6.70	6.90	0.75			186.05	292.13	60.03	94.02	98.13
46.0	08-Dec-94		125	Turkey Point	25.47000	-80.28333	1994.93	BB	TP	0.93	12	1994	1994-12	0.2090	0.2033	0.0057	0.0539	0.4752	0.2628	0.2124	0.0065	0.0022	0.1410	0.1898	3.3023		23.80	23.80	26.00	26.00	6.40	6.40	0.55			161.64	268.21	89.40	87.70	87.70
47.0	19-Jan-95		101	Convoy Point	25.47833	-80.32083	1995.05	BB	AS	0.05	01	1995	1995-01	0.2892	0.2819	0.0073	0.0215	0.6352	0.3107	0.3245	0.0035	0.0010	0.1197	0.1764	4.1705		19.60	24.20	21.00	20.90	8.10	9.00	0.50			403.27	682.85	197.27	101.52	116.12
47.0	19-Jan-95		102	Black Point	25.54583	-80.29467	1995.05	BB	AS	0.05	01	1995	1995-01	0.1698	0.1634	0.0064	0.0209	0.5454	0.1908	0.3547	0.0043	0.0013	0.1504	0.1457	4.4063		19.30	19.90	21.00	20.90	8.40	8.40	0.40			278.29	320.59	97.32	105.07	105.34
47.0	19-Jan-95		103	Near Black Ledge	25.57333	-80.28667	1995.05	BB	IS	0.05	01	1995	1995-01	0.0943	0.0908	0.0035	0.0119	0.4382	0.1062	0.3320	0.0039	0.0009	0.1239	0.1698	2.9085		23.80	23.80	20.90	20.90	8.10	8.20	0.30			250.38	252.75	60.66	104.23	105.52
47.0	19-Jan-95		104	BNP Marker C	25.60167	-80.22083	1995.05	BB	MAIN	0.05	01	1995	1995-01	0.0072	0.0058	0.0014	0.0095	0.2854	0.0167	0.2686	0.0038	0.0012	0.0251	0.2032	3.1648		31.50	31.80	20.50	20.40	6.70	6.70	1.25			166.39	29.88	9.76	90.21	90.26
47.0	19-Jan-95		105	Biscayne Channel	25.65417	-80.18667	1995.05	BB	MAIN	0.05	01	1995	1995-01	0.0065	0.0048	0.0018	0.0116	0.2535	0.0182	0.2354	0.0043	0.0008	0.0571	0.3863	2.0378		33.50	33.80	21.60	21.80	6.80	6.80	1.75			131.70	51.90	9.44	94.20	94.63

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
47.0	19-Jan-95		106	White Marker	25.63417	-80.13000	1995.05	BB	OCHAN	0.05	01	1995	1995-01	0.0064	0.0049	0.0014	0.0054	0.2488	0.0118	0.2370	0.0034	0.0004	0.0292	0.3302	2.9435		33.30	34.50	21.40	21.90	6.90	6.90	1.05			161.53	67.20	7.64	95.20	96.59
47.0	19-Jan-95		107	Fowey Rocks	25.59000	-80.10000	1995.05	BB	MAIN	0.05	01	1995	1995-01	0.0023	0.0017	0.0006	0.0033	0.2114	0.0056	0.2058	0.0033	0.0005	0.0348	0.3088	1.4940		35.50	35.50	21.60	21.60	6.90	6.90	0.60			143.81	26.83	3.83	96.85	96.85
47.0	19-Jan-95		108	Marker G-1B	25.56917	-80.19250	1995.05	BB	OCHAN	0.05	01	1995	1995-01	0.0022	0.0014	0.0008	0.0049	0.2438	0.0071	0.2366	0.0035	0.0003	0.0446	0.2593	2.7808		33.90	33.90	20.70	20.70	7.00	7.00	1.40			154.79	51.00	4.53	96.04	96.04
47.0	19-Jan-95		109	Midbay North	25.56417	-80.23500	1995.05	BB	MAIN	0.05	01	1995	1995-01	0.0045	0.0033	0.0012	0.0088	0.2533	0.0132	0.2400	0.0037	0.0004	0.0390	0.2406	3.8345		32.50	32.50	20.90	20.50	6.70	6.80	1.70			150.76	75.60	7.88	91.33	92.17
47.0	19-Jan-95		110	Fender Point	25.50500	-80.28750	1995.05	BB	IS	0.05	01	1995	1995-01	0.1495	0.1443	0.0051	0.0284	0.4992	0.1779	0.3214	0.0039	0.0008	0.1337	0.0936	4.3690		21.50	21.80	20.90	20.90	8.20	8.30	0.45			285.28	508.20	101.64	103.92	105.40
47.0	19-Jan-95		111	Featherbed Bank	25.51583	-80.24000	1995.05	BB	MAIN	0.05	01	1995	1995-01	0.0032	0.0021	0.0011	0.0062	0.2956	0.0094	0.2862	0.0025	0.0002	0.0613	0.1604	2.4725		32.40	32.40	20.20	20.20	7.00	7.00	1.05			263.93	134.00	8.38	94.41	94.41
47.0	19-Jan-95		112	Sands Cut	25.48833	-80.18833	1995.05	BB	MAIN	0.05	01	1995	1995-01	0.0037	0.0023	0.0014	0.0070	0.2150	0.0108	0.2042	0.0035	0.0003	0.0571	0.2807	3.0563		34.50	34.50	20.90	20.70	6.80	6.80	1.10			136.51	77.00	6.84	93.92	93.66
47.0	18-Jan-95		113	Elliott Key	25.44167	-80.22333	1995.05	BB	MAIN	0.05	01	1995	1995-01	0.0084	0.0074	0.0011	0.0086	0.2460	0.0170	0.2290	0.0038	0.0006	0.0600	0.2500	2.4393		33.30	33.30	19.40	19.40	7.00	7.00	1.50			143.44	60.75	9.92	93.86	93.86
47.0	18-Jan-95		114	Caesar Creek	25.38500	-80.19167	1995.05	BB	OCHAN	0.05	01	1995	1995-01	0.0043	0.0033	0.0011	0.0074	0.2153	0.0117	0.2035	0.0037	0.0004	0.0447	0.2927	2.7615		35.10	35.10	20.90	21.10	6.70	6.70	2.70			128.13	67.00	6.98	92.91	93.17
47.0	18-Jan-95		115	Adams Key	25.40417	-80.24083	1995.05	BB	MAIN	0.05	01	1995	1995-01	0.0065	0.0051	0.0014	0.0087	0.2501	0.0153	0.2349	0.0036	0.0005	0.0460	0.1858	2.4695		33.50	33.50	20.40	20.40	6.80	6.80	2.90			155.36	62.29	9.48	92.65	92.65
47.0	18-Jan-95		116	Rubicon Keys	25.40000	-80.25500	1995.05	BB	MAIN	0.05	01	1995	1995-01	0.0071	0.0058	0.0013	0.0083	0.2691	0.0154	0.2537	0.0039	0.0007	0.0447	0.2192	2.9253		32.50	32.50	19.90	19.90	6.70	6.60	3.50			153.78	49.00	8.82	90.03	88.69
47.0	18-Jan-95		117	Totten Key	25.38500	-80.26500	1995.05	BB	MAIN	0.05	01	1995	1995-01	0.0177	0.0161	0.0016	0.0129	0.2906	0.0306	0.2600	0.0043	0.0010	0.0656	0.1551	3.5850		29.30	29.60	19.90	19.90	7.00	7.00	1.35			148.27	67.31	15.63	92.08	92.26
47.0	18-Jan-95		118	Broad Creek	25.34833	-80.25500	1995.05	BB	MAIN	0.05	01	1995	1995-01	0.0055	0.0043	0.0012	0.0085	0.2197	0.0140	0.2057	0.0042	0.0004	0.0419	0.1537	3.1773		33.90	33.90	20.60	20.60	6.90	6.90	2.50			116.25	79.80	7.39	94.53	94.53
47.0	18-Jan-95		119	Pumpkin Key	25.31833	-80.30333	1995.05	BB	SCARD	0.05	01	1995	1995-01	0.0481	0.0433	0.0048	0.0345	0.4147	0.0826	0.3321	0.0056	0.0008	0.0572	0.3489	4.8433		25.20	27.00	19.90	20.20	7.30	7.30	1.40			164.55	236.00	32.78	93.43	94.98
47.0	18-Jan-95		120	Card Sound South	25.31417	-80.34333	1995.05	BB	SCARD	0.05	01	1995	1995-01	0.0411	0.0368	0.0043	0.0338	0.4110	0.0749	0.3360	0.0044	0.0011	0.0572	0.3208	4.5330		25.30	25.60	20.50	20.50	7.20	7.40	1.10			206.00	152.93	37.56	93.04	95.81
47.0	18-Jan-95		121	Card Sound North	25.35500	-80.29167	1995.05	BB	SCARD	0.05	01	1995	1995-01	0.0172	0.0154	0.0018	0.0138	0.2963	0.0310	0.2653	0.0034	0.0004	0.0530	0.1871	3.4938		29.90	29.90	19.90	19.90	6.70	6.90	1.30			192.42	177.20	20.14	88.48	91.12
47.0	18-Jan-95		122	West Arsenicker	25.42017	-80.31083	1995.05	BB	IS	0.05	01	1995	1995-01	0.1449	0.1408	0.0041	0.0187	0.3933	0.1636	0.2297	0.0036	0.0009	0.1172	0.1671	4.0858		23.60	25.20	19.60	19.60	7.50	7.60	0.55			244.28	424.91	101.61	94.54	96.83
47.0	18-Jan-95		123	Pelican Bank	25.44500	-80.28333	1995.05	BB	MAIN	0.05	01	1995	1995-01	0.0404	0.0381	0.0022	0.0169	0.2911	0.0573	0.2338	0.0027	0.0004	0.0474	0.1390	3.3178		28.20	28.20	19.60	19.60	7.10	7.10	1.00			237.60	327.40	46.77	92.29	92.29
47.0	18-Jan-95		124	Midbay South	25.47250	-80.23333	1995.05	BB	MAIN	0.05	01	1995	1995-01	0.0099	0.0084	0.0014	0.0222	0.2619	0.0321	0.2298	0.0022	0.0006	0.0891	0.1123	3.4388		31.60	31.60	20.30	20.30	7.00	7.00	0.55			267.25	114.63	32.75	94.04	94.04
47.0	18-Jan-95		125	Turkey Point	25.47000	-80.28333	1995.05	BB	TP	0.05	01	1995	1995-01	0.0891	0.0852	0.0039	0.0211	0.3805	0.1102	0.2702	0.0027	0.0005	0.1559	0.1577	3.8215		28.30	28.60	20.10	20.20	7.40	7.00	0.40			310.57	524.83	89.97	96.98	92.05
48.0	16-Feb-95		101	Convoy Point	25.47833	-80.32083	1995.12	BB	AS	0.12	02	1995	1995-02	0.0584	0.0545	0.0039	0.0128	0.3960	0.0713	0.3247	0.0067	0.0003	0.1973	0.1753	3.7238		24.00	24.00	24.60	24.60	8.10	8.20	0.64			130.04	509.00	23.40	109.45	110.80
48.0	16-Feb-95		102	Black Point	25.54583	-80.29467	1995.12	BB	AS	0.12	02	1995	1995-02	0.0912	0.0855	0.0057	0.0165	0.5327	0.1077	0.4250	0.0068	0.0002	0.3205	0.3575	6.3200		19.10	20.60	24.60	24.30	7.60	8.50	0.60			172.95	1025.67	34.97	99.50	111.97
48.0	16-Feb-95		103	Near Black Ledge	25.57333	-80.28667	1995.12	BB	IS	0.12	02	1995	1995-02	0.0401	0.0371	0.0031	0.0138	0.3924	0.0540	0.3384	0.0043	0.0000	0.2691	0.1741	4.7328		24.50	24.50	24.00	24.10	8.30	8.40	0.56			200.21		27.54	111.73	113.21
48.0	16-Feb-95		104	BNP Marker C	25.60167	-80.22083	1995.12	BB	MAIN	0.12	02	1995	1995-02	0.0057	0.0045	0.0013	0.0143	0.2779	0.0201	0.2579	0.0047	0.0003	0.0443	0.2612	2.8000		32.40	32.40	21.60	21.60	6.90	6.90	1.80			132.35	143.25	9.55	94.89	94.89
48.0	16-Feb-95		105	Biscayne Channel	25.65417	-80.18667	1995.12	BB	MAIN	0.12	02	1995	1995-02	0.0029	0.0018	0.0011	0.0110	0.2318	0.0139	0.2180	0.0050	0.0003	0.0419	0.4228	2.4443		33.90	33.90	22.20	22.20	6.80	6.80	0.68			101.90	99.00	6.09	95.19	95.19
48.0	16-Feb-95		106	White Marker	25.63417	-80.13000	1995.12	BB	OCHAN	0.12	02	1995	1995-02	0.0014	0.0005	0.0010	0.0087	0.2947	0.0102	0.2845	0.0041	0.0005	0.0454	0.4766	2.2003		34.80	35.20	22.20	22.20	7.20	7.10	1.06			158.85	48.33	5.47	101.38	100.24
48.0	16-Feb-95		107	Fowey Rocks	25.59000	-80.10000	1995.12	BB	MAIN	0.12	02	1995	1995-02	0.0020	0.0011	0.0009	0.0123	0.2143	0.0143	0.2000	0.0033	0.0005	0.0239	0.2704	1.8210		35.60	35.70	22.50	22.40	7.00	7.00	0.28			145.80	58.29	9.71	99.46	99.40
48.0	16-Feb-95		108	Marker G-1B	25.56917	-80.19250	1995.12	BB	OCHAN	0.12	02	1995	1995-02	0.0021	0.0011	0.0010	0.0107	0.2081	0.0128	0.1953	0.0040	0.0005	0.0443	0.1925	2.5445		33.90	34.80	23.20	23.00	6.30	6.50	1.15			114.37	61.17	7.06	89.29	92.45
48.0	16-Feb-95		109	Midbay North	25.56417	-80.23500	1995.12	BB	MAIN	0.12	02	1995	1995-02	0.0055	0.0040	0.0015	0.0160	0.2143	0.0215	0.1928	0.0032	0.0020	0.0490	0.1741	2.7465		32.60	32.50	21.90	21.80	7.30	7.40	0.83			149.35	23.62	14.98	100.92	102.11
48.0	16-Feb-95		110	Fender Point	25.50500	-80.28750	1995.12	BB	IS	0.12	02	1995	1995-02	0.0513	0.0482	0.0030	0.0265	0.3047	0.0777	0.2270	0.0028	0.0007	0.1615	0.2326	4.2445		24.90	24.90	24.50	24.60	7.40	7.40	0.96			241.85	246.78	61.69	100.46	100.58
48.0	16-Feb-95		111	Featherbed Bank	25.51583	-80.24000	1995.12	BB	MAIN	0.12	02	1995	1995-02	0.0023	0.0012	0.0012	0.0131	0.2045	0.0154	0.1891	0.0044	0.0002	0.0443	0.1673	2.5525		34.80	34.80	23.00	23.00	6.60	6.60	1.13			102.53	220.00	7.72	93.87	93.87
48.0	16-Feb-95		112	Sands Cut	25.48833	-80.18833	1995.12	BB	MAIN	0.12	02	1995	1995-02	0.0023	0.0006	0.0017	0.0183	0.1830	0.0207	0.1623	0.0049	0.0002	0.0443	0.2291	2.2558		35.20	35.20	22.70	22.70	6.80	6.80	3.07			82.99	295.00	9.37	96.61	96.61
48.0	15-Feb-95		113	Elliott Key	25.44167	-80.22333	1995.12	BB	MAIN	0.12	02	1995	1995-02	0.0095	0.0081	0.0014	0.0268	0.2525	0.0364	0.2162	0.0036	0.0001	0.0374	0.1489	2.3238		32.40	32.40	21.50	21.50	7.20	7.10	0.30			153.52	1039.00	22.11	98.88	97.51
48.0	15-Feb-95		114	Caesar Creek	25.38500	-80.19167	1995.12	BB	OCHAN	0.12	02	1995	1995-02	0.0015	0.0002	0.0013	0.0169	0.2089	0.0184	0.1905	0.0037	0.0000	0.0348	0.2097	2.0280		35.60	35.60	21.90	21.90	7.40	7.30	2.45			124.36		10.96	104.35	102.94
48.0	15-Feb-95		115	Adams Key	25.40417	-80.24083	1995.12	BB	MAIN	0.12	02	1995	1995-02	0.0062	0.0047	0.0016	0.0156	0.2122	0.0218	0.1904	0.0031	0.0000	0.0374	0.1833	2.3675		34.10	34.10	22.70	22.70	6.80	6.80	1.70			151.60		15.58	95.92	95.92
48.0	15-Feb-95		116	Rubicon Keys	25.40000	-80.25500	1995.12	BB	MAIN	0.12	02	1995	1995-02	0.0114	0.0093	0.0021	0.0180	0.2392	0.0294	0.2098	0.0034	0.0004	0.0464	0.1558	2.6633		32.40	32.40	22.70	22.70	6.80	6.80	1.30			155.34	168.20	19.11	94.86	94.86
48.0	15-Feb-95		117	Totten Key	25.38500	-80.26500	1995.12	BB	MAIN	0.12	02	1995	1995-02	0.0096	0.0079	0.0016	0.0208	0.2419	0.0304	0.2115	0.0029	0.0003	0.0580	0.1730	3.1113		31.30	31.30	22.00	22.00	6.80	6.80	1.35			186.77	217.00	23.46	93.33	93.33
48.0	15-Feb-95		118	Broad Creek	25.34833	-80.25500	1995.12	BB	MAIN	0.12	02	1995	1995-02	0.0037	0.0020	0.0018	0.0181	0.1783	0.0218	0.1565	0.0029	0.0001	0.0348	0.1868	2.2455		35.40	35.40	22.20	21.90	7.30	7.40	1.75			134.10	623.00	16.39	103.20	104.21
48.0	15-Feb-95		119	Pumpkin Key	25.31833	-80.30333	1995.12	BB	SCARD	0.12	02	1995	1995-02	0.0160	0.0136	0.0024	0.0285	0.3361	0.0445	0.2916	0.0029	0.0002	0.0503	0.1799	4.0860		28.50	30.00	21.90	22.00	7.60	7.60	0.30			252.71	423.67	33.45	102.28	103.43
48.0	15-Feb-95		120	Card Sound South	25.31417	-80.34333	1995.12	BB	SCARD	0.12	02	1995	1995-02	0.0169	0.0142	0.0027	0.0308	0.3794	0.0476	0.3318	0.0033	0.0002	0.0593	0.2154	4.5565		26.80	26.80	22.80	22.80	7.40	7.40	0.80			258.13	680.50	32.40	99.64	99.64
48.0	15-Feb-95		121	Card Sound North	25.35500	-80.29167	1995.12	BB	SCARD	0.12	02	1995	1995-02	0.0111	0.0092	0.0018	0.0218	0.2784	0.0329	0.2455	0.0033	0.0000	0.0593	0.2509	3.2568		31.10	31.10	22.70	22.70	7.30	7.40	1.65			184.97		21.84	100.97	102.35
48.0	15-Feb-95		122	West Arsenicker	25.42017	-80.31083	1995.12	BB	IS	0.12	02	1995	1995-02	0.0183	0.0159	0.0025	0.0289	0.2994	0.0473	0.2521	0.0041	0.0005	0.1960	0.1696	3.6860		26.60	26.60	23.90	23.90	7.30	7.30	0.75			161.42	193.00	25.49	99.50	99.50
48.0	15-Feb-95		123	Pelican Bank	25.44500	-80.28333	1995.12	BB	MAIN	0.12	02	1995	1995-02	0.0236	0.0214	0.0023	0.0339	0.3188	0.0575	0.2612	0.0035	0.0005	0.0825	0.1719	3.2090		28.80	28.80	22.20	22.20	7.10	7.10	0.70			202.38	234.86	36.53	96.12	96.12
48.0	15-Feb-95		124	Midbay South	25.47250	-80.23333	1995.12	BB	MAIN	0.12	02	1995	1995-02	0.0118	0.0101	0.0017	0.0241	0.2196	0.0359	0.1837	0.0032	0.0002	0.0801	0.2440	2.9093		32.10	32.10	21.90	21.90	7.10	7.00	1.35			153.01	512.50	25.00	97.84	96.46
48.0	15-Feb-95		125	Turkey Point	25.47000	-80.28333	1995.12	BB	TP	0.12	02	1995	1995-02	0.0409	0.0380	0.0029	0.0310	0.2467	0.0719	0.1748	0.0030	0.0004	0.0897	0.1501	3.0593		28.60	28.60	22.90	22.90	7.00	7.00	50.60			180.76	411.00	52.69	95.49	95.49
49.0	09-Mar-95		101	Convoy Point	25.47833	-80.32083	1995.18	BB	AS	0.18	03	1995	1995-03	0.0324	0.0305	0.0019	0.0072	0.4973	0.0397	0.4576	0.0029	0.0011	0.3658	0.3602	5.6055		25.10	25.10	23.40	23.40	7.50	7.50	1.30			384.01	80.93	30.62	100.63	100.63
49.0	09-Mar-95		102	Black Point	25.54583	-80.29467	1995.18	BB	AS	0.18	03	1995	1995-03	0.0054	0.0040	0.0014	0.0082	0.4247	0.0136	0.4110	0.0039	0.0004	0.3692	0.4185	5.8388		25.90	25.90	23.40	23.40	6.90	6.90	0.85			242.66	77.80	7.78	93.06	93.06
49.0	09-Mar-95		103	Near Black Ledge	25.57333	-80.28667	1995.18	BB	IS	0.18	03	1995	1995-03	0.0047	0.0037	0.0010	0.0096	0.3833	0.0143	0.3690	0.0036	0.0002	0.2856	0.2643	5.4850		29.70	29.70	23.60	23.60	6.30	6.30	1.20			238.09	204.00	8.87	87.30	87.30
49.0	09-Mar-95		104	BNP Marker C	25.60167	-80.22083	1995.18	BB	MAIN	0.18	03	1995	1995-03	0.0070	0.0043	0.0028	0.0162	0.2938	0.0232	0.2706	0.0045	0.0009	0.1203	0.2500	4.4615		32.60	33.30	23.20	23.30	8.40	8.40	2.25			144.73	60.27	11.43	118.05	118.74
49.0	09-Mar-95		105	Biscayne Channel	25.65417	-80.18667	1995.18	BB	MAIN	0.18	03	1995	1995-03	0.0045	0.0033	0.0012	0.0114	0.2990	0.0159	0.2831	0.0057	0.0000	0.0819	0.4042	4.3233		32.50	32.60	23.20	23.20	7.00	7.00	4.05			117.02		6.23	98.31	98.38
49.0	09-Mar-95		106	White Marker	25.63417	-80.13000	1995.18	BB	OCHAN	0.18	03	1995	1995-03	0.0050	0.0031	0.0019	0.0103	0.2593	0.0153	0.2441	0.0069	0.0005	0.0685	0.3874	4.0368		34.30	34.30	23.50	23.50	6.90	6.80	2.40			83.25	72.67	4.90	98.41	96.98
49.0	09-Mar-95		107	Fowey Rocks	25.59000	-80.10000	1995.18	BB	MAIN	0.18	03	1995	1995-03	0.0011	0.0003	0.0008	0.0039	0.2153	0.0049	0.2103	0.0050	0.0004	0.0551	0.4781	3.7598		35.50	35.50	23.60	23.60	7.00	7.00	1.40			94.62	28.20	2.17	100.73	100.73
49.0	09-Mar-95		108	Marker G-1B	25.56917	-80.19250	1995.18	BB	OCHAN	0.18	03	1995	1995-03	0.0049	0.0032	0.0017	0.0114	0.2505	0.0163	0.2342	0.0094	0.0004	0.0685	0.5830	4.4463		33.70	33.70	23.30	23.30	7.20	7.20	2.10			59.14	93.00	3.84	102.04	102.04
49.0	09-Mar-95		109	Midbay North	25.56417	-80.23500	1995.18	BB	MAIN	0.18	03	1995	1995-03	0.0044	0.0028	0.0017	0.0100	0.2417	0.0144	0.2272	0.0047	0.0005	0.1069	0.1671	4.3934		34.00	34.00	23.60	23.60	6.30	6.30	2.15			115.08	68.67	6.87	89.78	89.78
49.0	09-Mar-95		110	Fender Point	25.50500	-80.28750	1995.18	BB	IS	0.18	03	1995	1995-03	0.1423	0.1387	0.0036	0.0247	0.4749	0.1671	0.3079	0.0058	0.0007	0.3224	0.3304	6.2538		24.10	24.10	23.30	23.30	6.70	6.70	1.70			180.92	530.33	63.64	89.20	89.20
49.0	09-Mar-95		111	Featherbed Bank	25.51583	-80.24000	1995.18	BB	MAIN	0.18	03	1995	1995-03	0.0055	0.0035	0.0020	0.0116	0.2292	0.0172	0.2121	0.0040	0.0004	0.1019	0.2332	3.4918		34.50	34.50	23.40	23.40	6.40	6.30	3.90			128.43	98.00	9.61	91.29	89.86
49.0	09-Mar-95		112	Sands Cut	25.48833	-80.18833	1995.18	BB	MAIN	0.18	03	1995	1995-03	0.0028	0.0015	0.0013	0.0080	0.2135	0.0108	0.2027	0.0052	0.0001	0.0902	0.3783	3.2553		34.20	34.20	23.30	23.30	6.40	6.40	2.85			91.03	309.00	4.61	91.00	91.00
49.0	08-Mar-95		113	Elliott Key	25.44167	-80.22333	1995.18	BB	MAIN	0.18	03	1995	1995-03	0.0052	0.0036	0.0016	0.0123	0.2460	0.0175	0.2285	0.0040	0.0002	0.0909	0.2164	4.1448		35.50	35.50	24.00	24.00	6.60	6.50	1.10			137.84	167.00	9.82	95.42	93.97
49.0	08-Mar-95		114	Caesar Creek	25.38500	-80.19167	1995.18	BB	OCHAN	0.18	03	1995	1995-03	0.0015	0.0001	0.0014	0.0071	0.1889	0.0086	0.1803	0.0054	0.0004	0.0494	0.3511	3.6503		35.40	35.40	23.90	23.90	6.50	6.40	7.50			77.11	49.20	3.51	93.80	92.36
49.0	08-Mar-95		115	Adams Key	25.40417	-80.24083	1995.18	BB	MAIN	0.18	03	1995	1995-03	0.0046	0.0028	0.0018	0.0092	0.2550	0.0138	0.2412	0.0039	0.0006	0.0810	0.1555	4.0923		35.20	35.20	24.30	24.30	6.50	6.40	2.00			145.70	49.13	7.86	94.11	92.66
49.0	08-Mar-95		116	Rubicon Keys	25.40000	-80.25500	1995.18	BB	MAIN	0.18	03	1995	1995-03	0.0060	0.0043	0.0018	0.0132	0.2572	0.0192	0.2380	0.0046	0.0002	0.0949	0.1529	4.3803		34.80	34.70	24.50	24.50	6.80	6.80	1.40			124.54	182.67	9.29	98.41	98.35
49.0	08-Mar-95		117	Totten Key	25.38500	-80.26500	1995.18	BB	MAIN	0.18	03	1995	1995-03	0.0072	0.0049	0.0023	0.0167	0.3519	0.0239	0.3280	0.0044	0.0000	0.0949	0.2241	4.4173		34.00	34.00	24.30	24.30	6.60	6.60	2.00			176.37		11.96	94.81	94.81
49.0	08-Mar-95		118	Broad Creek	25.34833	-80.25500	1995.18	BB	MAIN	0.18	03	1995	1995-03	0.0086	0.0069	0.0018	0.0103	0.3177	0.0189	0.2988	0.0049	0.0000	0.0593	0.2397	3.1810		35.30	35.30	24.30	24.30	6.20	6.30	2.90			144.10		8.57	89.82	91.27
49.0	08-Mar-95		119	Pumpkin Key	25.31833	-80.30333	1995.18	BB	SCARD	0.18	03	1995	1995-03	0.0029	0.0014	0.0016	0.0125	0.4058	0.0155	0.3904	0.0041	0.0000	0.1048	0.1879	5.2645		31.00	31.10	24.50	24.50	6.80	6.80	1.05			218.77		8.34	96.03	96.09
49.0	08-Mar-95		120	Card Sound South	25.31417	-80.34333	1995.18	BB	SCARD	0.18	03	1995	1995-03	0.0106	0.0074	0.0032	0.0197	0.4363	0.0303	0.4060	0.0058	0.0000	0.0969	0.2508	6.2265		28.80	29.70	24.60	24.60	6.80	6.80	2.80			166.20		11.55	94.78	95.33
49.0	08-Mar-95		121	Card Sound North	25.35500	-80.29167	1995.18	BB	SCARD	0.18	03	1995	1995-03	0.0046	0.0026	0.0020	0.0153	0.3322	0.0199	0.3123	0.0037	0.0005	0.1107	0.2772	4.5385		32.80	32.80	24.50	24.50	6.70	6.70	1.20			197.77	94.83	11.85	95.72	95.72
49.0	08-Mar-95		122	West Arsenicker	25.42017	-80.31083	1995.18	BB	IS	0.18	03	1995	1995-03	0.0015	0.0001	0.0014	0.0089	0.3880	0.0103	0.3777	0.0072	0.0004	0.2629	0.1697	5.4648		30.80	30.80	24.90	24.90	7.40	7.40	1.20			119.21	59.00	3.17	104.83	104.83
49.0	08-Mar-95		123	Pelican Bank	25.44500	-80.28333	1995.18	BB	MAIN	0.18	03	1995	1995-03	0.0104	0.0083	0.0021	0.0143	0.3315	0.0246	0.3069	0.0037	0.0005	0.1048	0.1684	4.4128		31.10	31.10	24.00	24.00	6.60	6.60	1.90			197.32	117.33	14.67	92.73	92.73
49.0	08-Mar-95		124	Midbay South	25.47250	-80.23333	1995.18	BB	MAIN	0.18	03	1995	1995-03	0.0057	0.0026	0.0030	0.0198	0.2542	0.0254	0.2287	0.0032	0.0008	0.1103	0.2306	4.3293		34.20	34.20	23.50	23.50	6.50	6.50	1.95			177.12	72.70	17.73	92.64	92.64
49.0	08-Mar-95		125	Turkey Point	25.47000	-80.28333	1995.18	BB	TP	0.18	03	1995	1995-03	0.0319	0.0285	0.0034	0.0213	0.3118	0.0532	0.2586	0.0029	0.0000	0.1303	0.1995	4.7940		30.00	32.50	23.30	23.80	6.50	6.10	1.25			240.77		41.05	89.93	86.29
50.0	20-Apr-95		101	Convoy Point	25.47833	-80.32083	1995.30	BB	AS	0.30	04	1995	1995-04	0.0009	0.0004	0.0005	0.0029	0.3940	0.0038	0.3902	0.0026	0.0003	0.2327	0.0998	6.2775		34.90	34.90	26.60	26.60	4.90	4.90	0.16			331.10	27.00	3.18	72.51	72.51
50.0	20-Apr-95		102	Black Point	25.54583	-80.29467	1995.30	BB	AS	0.30	04	1995	1995-04	0.0007	0.0002	0.0005	0.0032	0.3521	0.0039	0.3481	0.0028	0.0006	0.2087	0.1587	6.2048		31.60	31.60	26.70	26.70	5.10	5.40	0.20			279.42	14.00	3.11	73.97	78.32
50.0	20-Apr-95		103	Near Black Ledge	25.57333	-80.28667	1995.30	BB	IS	0.30	04	1995	1995-04	0.0010	0.0004	0.0006	0.0048	0.2481	0.0058	0.2423	0.0024	0.0004	0.1246	0.1315	4.5460		34.60	34.70	26.50	26.50	4.30	4.40	0.33			228.63	33.00	5.32	63.45	64.97
50.0	20-Apr-95		104	BNP Marker C	25.60167	-80.22083	1995.30	BB	MAIN	0.30	04	1995	1995-04	0.0011	0.0000	0.0011	0.0059	0.1881	0.0069	0.1812	0.0025	0.0004	0.0721	0.1829	3.6575		36.30	36.30	26.30	26.30	6.30	6.20	1.05			167.97	39.60	6.19	93.79	92.30
50.0	20-Apr-95		105	Biscayne Channel	25.65417	-80.18667	1995.30	BB	MAIN	0.30	04	1995	1995-04	0.0008	0.0000	0.0008	0.0053	0.1905	0.0061	0.1845	0.0048	0.0004	0.0751	0.4232	3.6293		35.20	35.20	26.40	26.40	6.50	6.50	2.90			87.81	34.80	2.81	96.19	96.19
50.0	20-Apr-95		106	White Marker	25.63417	-80.13000	1995.30	BB	OCHAN	0.30	04	1995	1995-04	0.0028	0.0023	0.0006	0.0049	0.1879	0.0077	0.1801	0.0040	0.0003	0.0555	0.1995	4.7518		34.90	35.90	26.40	26.50	4.50	4.80	2.30			105.24	55.25	4.33	66.46	71.42
50.0	20-Apr-95		107	Fowey Rocks	25.59000	-80.10000	1995.30	BB	MAIN	0.30	04	1995	1995-04	0.0009	0.0006	0.0002	0.0013	0.1198	0.0022	0.1176	0.0035	0.0005	0.0375	0.2660	3.8545		36.00	36.10	26.30	26.30	4.80	4.80	0.15			76.05	10.50	1.40	71.32	71.37
50.0	20-Apr-95		108	Marker G-1B	25.56917	-80.19250	1995.30	BB	OCHAN	0.30	04	1995	1995-04	0.0016	0.0010	0.0006	0.0024	0.1574	0.0040	0.1534	0.0029	0.0001	0.0570	0.1360	4.3740		35.80	35.80	26.10	26.10	5.20	5.20	0.95			118.35	114.00	3.00	77.02	77.02
50.0	20-Apr-95		109	Midbay North	25.56417	-80.23500	1995.30	BB	MAIN	0.30	04	1995	1995-04	0.0020	0.0013	0.0007	0.0027	0.1521	0.0047	0.1474	0.0032	0.0005	0.0886	0.1270	4.5113		36.60	36.60	26.60	26.60	4.60	4.60	0.42			105.99	22.17	3.24	68.81	68.81
50.0	20-Apr-95		110	Fender Point	25.50500	-80.28750	1995.30	BB	IS	0.30	04	1995	1995-04	0.0033	0.0025	0.0008	0.0053	0.3004	0.0086	0.2919	0.0027	0.0001	0.1456	0.1542	5.9638		32.70	32.70	26.50	26.50	4.60	4.70	0.68			245.26	245.00	7.00	67.06	68.52
50.0	20-Apr-95		111	Featherbed Bank	25.51583	-80.24000	1995.30	BB	MAIN	0.30	04	1995	1995-04	0.0015	0.0010	0.0006	0.0041	0.1607	0.0056	0.1551	0.0022	0.0003	0.1291	0.1179	4.5865		26.60	36.60	26.30	26.30	6.40	6.40	0.78			164.02	40.25	5.75	89.56	95.46
50.0	20-Apr-95		112	Sands Cut	25.48833	-80.18833	1995.30	BB	MAIN	0.30	04	1995	1995-04	0.0018	0.0011	0.0007	0.0060	0.1646	0.0078	0.1569	0.0033	0.0004	0.0811	0.1708	4.5203		36.90	36.90	26.40	26.50	5.90	5.80	1.85			112.00	44.40	5.29	88.26	86.85
50.0	19-Apr-95		113	Elliott Key	25.44167	-80.22333	1995.29	BB	MAIN	0.29	04	1995	1995-04	0.0019	0.0016	0.0002	0.0088	0.3694	0.0107	0.3588	0.0030	0.0000	0.0976	0.0695	4.8230		36.90	36.90	27.00	27.00	6.70	6.90	1.75			270.64		7.82	100.79	103.80
50.0	19-Apr-95		114	Caesar Creek	25.38500	-80.19167	1995.29	BB	OCHAN	0.29	04	1995	1995-04	0.0002	0.0001	0.0001	0.0020	0.2779	0.0022	0.2757	0.0030	0.0002	0.0381	0.0529	4.4343		36.50	36.50	26.90	26.90	6.90	7.40	1.26			203.59	20.67	1.59	103.44	110.94
50.0	19-Apr-95		115	Adams Key	25.40417	-80.24083	1995.29	BB	MAIN	0.29	04	1995	1995-04	0.0049	0.0040	0.0009	0.0046	0.2274	0.0095	0.2179	0.0031	0.0005	0.0564	0.0877	3.1440		36.90	36.90	27.30	27.30	6.90	7.00	0.85			162.41	45.33	6.80	104.08	105.59
50.0	19-Apr-95		116	Rubicon Keys	25.40000	-80.25500	1995.29	BB	MAIN	0.29	04	1995	1995-04	0.0046	0.0037	0.0009	0.0067	0.2112	0.0113	0.1999	0.0040	0.0005	0.0884	0.0952	4.7460		36.90	36.90	27.40	27.40	7.50	7.50	1.50			116.02	53.67	6.19	113.23	113.23
50.0	19-Apr-95		117	Totten Key	25.38500	-80.26500	1995.29	BB	MAIN	0.29	04	1995	1995-04	0.0044	0.0038	0.0006	0.0070	0.2990	0.0114	0.2875	0.0039	0.0006	0.1097	0.1164	5.3533		36.20	36.10	27.50	27.50	7.10	7.30	1.20			170.83	40.88	6.54	106.81	109.75
50.0	19-Apr-95		118	Broad Creek	25.34833	-80.25500	1995.29	BB	MAIN	0.29	04	1995	1995-04	0.0023	0.0017	0.0006	0.0044	0.3921	0.0067	0.3854	0.0034	0.0031	0.0488	0.1315	4.9953		36.50	36.20	28.00	27.80	7.90	7.10	1.45			254.62	4.80	4.36	119.59	107.09
50.0	19-Apr-95		119	Pumpkin Key	25.31833	-80.30333	1995.29	BB	SCARD	0.29	04	1995	1995-04	0.0044	0.0036	0.0008	0.0091	0.3670	0.0135	0.3535	0.0032	0.0000	0.0610	0.1995	5.9375		33.60	34.80	27.70	27.50	6.50	7.40	0.80			255.78		9.41	96.36	110.34
50.0	19-Apr-95		120	Card Sound South	25.31417	-80.34333	1995.29	BB	SCARD	0.29	04	1995	1995-04	0.0064	0.0056	0.0009	0.0082	0.3558	0.0147	0.3411	0.0033	0.0000	0.1006	0.2766	6.0933		33.30	33.30	27.60	27.60	6.80	7.00	0.70			242.01		9.98	100.53	103.48
50.0	19-Apr-95		121	Card Sound North	25.35500	-80.29167	1995.29	BB	SCARD	0.29	04	1995	1995-04	0.0062	0.0052	0.0011	0.0097	0.2896	0.0159	0.2737	0.0041	0.0006	0.0945	0.1134	5.3933		36.30	36.30	27.40	27.40	7.10	7.20	1.95			156.14	56.88	8.58	106.79	108.29
50.0	19-Apr-95		122	West Arsenicker	25.42017	-80.31083	1995.29	BB	IS	0.29	04	1995	1995-04	0.0042	0.0040	0.0003	0.0041	0.2867	0.0083	0.2784	0.0030	0.0003	0.1174	0.1542	6.0555		35.40	35.40	27.90	28.00	7.40	7.50	0.55			210.06	59.50	6.10	111.15	112.75
50.0	19-Apr-95		123	Pelican Bank	25.44500	-80.28333	1995.29	BB	MAIN	0.29	04	1995	1995-04	0.0088	0.0082	0.0007	0.0086	0.2961	0.0174	0.2787	0.0019	0.0014	0.0686	0.0529	5.2895		35.10	35.10	27.00	27.10	7.00	7.00	0.65			338.42	27.67	19.92	104.11	104.20
50.0	20-Apr-95		124	Midbay South	25.47250	-80.23333	1995.30	BB	MAIN	0.30	04	1995	1995-04	0.0016	0.0012	0.0004	0.0077	0.1984	0.0092	0.1892	0.0029	0.0000	0.1081	0.1224	4.7535		36.50	36.50	26.30	26.30	6.30	6.30	0.90			149.19		6.95	93.91	93.91
50.0	20-Apr-95		125	Turkey Point	25.47000	-80.28333	1995.30	BB	TP	0.30	04	1995	1995-04	0.0069	0.0059	0.0009	0.0056	0.2457	0.0125	0.2332	0.0042	0.0000	0.1156	0.1134	5.1195		34.80	34.80	26.30	26.40	6.10	6.10	0.58			130.01		6.61	89.95	90.04
51.0	18-May-95		101	Convoy Point	25.47833	-80.32083	1995.37	BB	AS	0.37	05	1995	1995-05	0.0006	0.0000	0.0006	0.0057	0.5635	0.0063	0.5572	0.0056	0.0002	0.8673	0.2766	5.2023		31.50	31.50	31.00	31.00	8.60	8.90	0.18			223.61	60.33	2.51	129.03	133.53
51.0	18-May-95		102	Black Point	25.54583	-80.29467	1995.37	BB	AS	0.37	05	1995	1995-05	0.0309	0.0267	0.0042	0.0109	0.5958	0.0418	0.5540	0.0066	0.0008	0.5810	0.2675	5.2650		25.60	25.60	30.60	30.60	7.70	7.70	0.60			200.25	119.40	14.05	111.07	111.07
51.0	18-May-95		103	Near Black Ledge	25.57333	-80.28667	1995.37	BB	IS	0.37	05	1995	1995-05	0.0326	0.0289	0.0037	0.0194	0.4977	0.0520	0.4456	0.0057	0.0003	0.2719	0.1648	3.8675		29.80	29.90	30.40	30.50	6.40	6.20	0.40			194.78	371.75	20.37	94.63	91.79
51.0	18-May-95		104	BNP Marker C	25.60167	-80.22083	1995.37	BB	MAIN	0.37	05	1995	1995-05	0.0043	0.0031	0.0012	0.0090	0.2286	0.0133	0.2152	0.0063	0.0000	0.1380	0.1844	2.1075		36.30	36.20	30.30	30.40	6.00	5.90	1.20			80.62		4.70	92.32	90.78
51.0	18-May-95		105	Biscayne Channel	25.65417	-80.18667	1995.37	BB	MAIN	0.37	05	1995	1995-05	0.0061	0.0048	0.0013	0.0088	0.2315	0.0149	0.2166	0.0081	0.0000	0.1112	0.3204	2.2150		35.70	35.70	30.10	30.20	6.00	5.90	1.45			62.99		4.06	91.84	90.38
51.0	18-May-95		106	White Marker	25.63417	-80.13000	1995.37	BB	OCHAN	0.37	05	1995	1995-05	0.0032	0.0023	0.0009	0.0054	0.2141	0.0086	0.2055	0.0064	0.0000	0.0803	0.2902	2.1700		35.90	35.90	30.50	29.70	6.60	6.40	0.50			73.71		2.95	101.43	97.81
51.0	18-May-95		107	Fowey Rocks	25.59000	-80.10000	1995.37	BB	MAIN	0.37	05	1995	1995-05	0.0016	0.0011	0.0006	0.0028	0.1262	0.0044	0.1218	0.0053	0.0000	0.0515	0.1859	1.6550		36.00	36.00	28.40	28.40	6.50	6.40	0.02			53.03		1.84	98.41	96.90

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
51.0	18-May-95		108	Marker G-1B	25.56917	-80.19250	1995.37	BB	OCHAN	0.37	05	1995	1995-05	0.0025	0.0015	0.0010	0.0056	0.1582	0.0081	0.1501	0.0077	0.0003	0.0597	0.1360	3.3650		36.40	36.30	30.20	30.30	6.50	6.40	0.60			45.66	57.75	2.33	100.00	98.47
51.0	18-May-95		109	Midbay North	25.56417	-80.23500	1995.37	BB	MAIN	0.37	05	1995	1995-05	0.0040	0.0029	0.0010	0.0072	0.1703	0.0112	0.1591	0.0058	0.0000	0.0721	0.1935	2.3125		36.30	36.30	30.40	30.50	6.30	6.20	0.80			64.89		4.27	97.00	95.52
51.0	18-May-95		110	Fender Point	25.50500	-80.28750	1995.37	BB	IS	0.37	05	1995	1995-05	0.0025	0.0012	0.0013	0.0086	0.4056	0.0111	0.3945	0.0082	0.0003	0.7726	0.1965	5.4050		31.70	31.70	30.60	30.70	7.80	7.70	0.12			109.32	79.00	2.98	116.86	115.44
51.0	18-May-95		111	Featherbed Bank	25.51583	-80.24000	1995.37	BB	MAIN	0.37	05	1995	1995-05	0.0039	0.0027	0.0012	0.0110	0.2259	0.0149	0.2110	0.0056	0.0000	0.1710	0.1511	2.6675		36.10	36.10	30.20	30.20	5.90	5.80	0.45			89.65		5.90	90.60	89.07
51.0	18-May-95		112	Sands Cut	25.48833	-80.18833	1995.37	BB	MAIN	0.37	05	1995	1995-05	0.0028	0.0020	0.0008	0.0061	0.1839	0.0089	0.1750	0.0057	0.0000	0.1442	0.2086	2.2300		36.30	36.30	30.30	30.40	5.40	5.20	0.45			71.02		3.45	83.08	80.06
51.0	17-May-95		113	Elliott Key	25.44167	-80.22333	1995.37	BB	MAIN	0.37	05	1995	1995-05	0.0067	0.0057	0.0009	0.0183	0.2579	0.0250	0.2330	0.0065	0.0002	0.2378	0.2615	2.7300		36.20	36.20	30.30	30.30	5.70	5.70	0.65			87.74	357.00	8.50	87.65	87.65
51.0	17-May-95		114	Caesar Creek	25.38500	-80.19167	1995.37	BB	OCHAN	0.37	05	1995	1995-05	0.0012	0.0006	0.0006	0.0078	0.2867	0.0090	0.2777	0.0072	0.0002	0.0655	0.1466	2.3325		35.90	35.90	29.10	29.10	6.60	6.60	0.35			88.09	85.67	2.76	100.42	100.42
51.0	17-May-95		115	Adams Key	25.40417	-80.24083	1995.37	BB	MAIN	0.37	05	1995	1995-05	0.0117	0.0101	0.0016	0.0102	0.2009	0.0218	0.1791	0.0056	0.0001	0.0974	0.2222	2.2925		36.20	36.30	30.50	30.50	5.10	5.10	0.55			79.71	623.00	8.65	78.53	78.57
51.0	17-May-95		116	Rubicon Keys	25.40000	-80.25500	1995.37	BB	MAIN	0.37	05	1995	1995-05	0.0068	0.0055	0.0012	0.0126	0.2872	0.0194	0.2678	0.0055	0.0000	0.1011	0.1663	2.2675		36.30	36.20	30.60	30.70	5.40	5.60	0.50			115.56		7.80	83.25	86.34
51.0	17-May-95		117	Totten Key	25.38500	-80.26500	1995.37	BB	MAIN	0.37	05	1995	1995-05	0.0149	0.0137	0.0012	0.0139	0.3611	0.0288	0.3322	0.0057	0.0000	0.1573	0.1904	3.2350		34.30	34.20	30.20	30.30	5.60	5.60	0.55			141.32		11.29	85.04	85.04
51.0	17-May-95		118	Broad Creek	25.34833	-80.25500	1995.37	BB	MAIN	0.37	05	1995	1995-05	0.0087	0.0075	0.0013	0.0067	0.2965	0.0154	0.2811	0.0063	0.0001	0.0955	0.1738	2.7500		35.50	35.50	30.30	30.30	4.90	4.90	0.45			104.58	439.00	5.42	75.02	75.02
51.0	17-May-95		119	Pumpkin Key	25.31833	-80.30333	1995.37	BB	SCARD	0.37	05	1995	1995-05	0.0187	0.0161	0.0026	0.0228	0.4037	0.0415	0.3622	0.0078	0.0002	0.1592	0.5033	4.5225		31.60	33.00	30.50	30.70	6.10	5.60	0.65			114.20	395.33	11.74	91.27	84.64
51.0	17-May-95		120	Card Sound South	25.31417	-80.34333	1995.37	BB	SCARD	0.37	05	1995	1995-05	0.0217	0.0182	0.0035	0.0260	0.4559	0.0477	0.4082	0.0081	0.0005	0.1741	0.2494	4.9750		30.60	33.20	30.80	30.40	6.20	5.80	0.55			124.05	194.71	12.98	92.38	87.59
51.0	17-May-95		121	Card Sound North	25.35500	-80.29167	1995.37	BB	SCARD	0.37	05	1995	1995-05	0.0103	0.0090	0.0014	0.0114	0.3062	0.0218	0.2844	0.0061	0.0000	0.1460	0.3325	3.4450		33.90	35.00	30.40	30.30	5.70	5.80	0.45			110.73		7.87	86.46	88.52
51.0	17-May-95		122	West Arsenicker	25.42017	-80.31083	1995.37	BB	IS	0.37	05	1995	1995-05	0.0099	0.0086	0.0012	0.0143	0.3072	0.0242	0.2830	0.0084	0.0001	0.2247	0.2192	3.7550		34.80	34.90	30.70	30.70	5.60	5.40	0.30			81.27	690.00	6.39	85.59	82.59
51.0	17-May-95		123	Pelican Bank	25.44500	-80.28333	1995.37	BB	MAIN	0.37	05	1995	1995-05	0.0183	0.0163	0.0020	0.0226	0.3311	0.0409	0.2902	0.0081	0.0000	0.1161	0.1436	3.2425		35.50	35.60	30.30	30.30	5.20	5.20	0.30			90.09		11.12	79.61	79.66
51.0	18-May-95		124	Midbay South	25.47250	-80.23333	1995.37	BB	MAIN	0.37	05	1995	1995-05	0.0014	0.0009	0.0005	0.0127	0.2234	0.0141	0.2093	0.0053	0.0002	0.2101	0.1315	2.7000		36.10	36.10	30.30	30.30	5.90	6.00	0.30			93.86	201.00	5.91	90.66	92.20
51.0	18-May-95		125	Turkey Point	25.47000	-80.28333	1995.37	BB	TP	0.37	05	1995	1995-05	0.0196	0.0174	0.0022	0.0181	0.2627	0.0376	0.2251	0.0052	0.0002	0.1422	0.1466	2.7650		35.40	35.40	30.40	30.40	5.20	5.20	0.20			112.04	537.50	16.04	79.61	79.61
52.0	15-Jun-95		101	Convoy Point	25.47833	-80.32083	1995.45	BB	AS	0.45	06	1995	1995-06	0.0354	0.0320	0.0034	0.0148	0.3793	0.0502	0.3292	0.0052	0.0001	0.3328	0.2785	3.2003		30.60	30.60	29.70	29.70	7.90	8.00	0.60			161.76	1433.00	21.39	116.80	118.28
52.0	15-Jun-95		102	Black Point	25.54583	-80.29467	1995.45	BB	AS	0.45	06	1995	1995-06	0.0327	0.0285	0.0042	0.0088	0.4828	0.0415	0.4413	0.0076	0.0001	0.3212	0.1581	5.6905		25.30	25.10	29.10	29.10	9.50	9.50	0.55			140.76	1186.00	12.10	135.24	135.07
52.0	15-Jun-95		103	Near Black Ledge	25.57333	-80.28667	1995.45	BB	IS	0.45	06	1995	1995-06	0.0343	0.0314	0.0029	0.0196	0.3586	0.0539	0.3047	0.0049	0.0002	0.1483	0.1658	2.6403		31.30	31.30	29.00	29.00	6.40	6.50	0.70			162.63	769.50	24.43	94.53	96.01
52.0	15-Jun-95		104	BNP Marker C	25.60167	-80.22083	1995.45	BB	MAIN	0.45	06	1995	1995-06	0.0077	0.0063	0.0015	0.0138	0.1773	0.0216	0.1558	0.0069	0.0006	0.0610	0.2306	1.6185		34.50	32.20	28.80	28.80	6.70	6.80	1.85			56.93	77.00	6.92	100.81	100.85
52.0	15-Jun-95		105	Biscayne Channel	25.65417	-80.18667	1995.45	BB	MAIN	0.45	06	1995	1995-06	0.0106	0.0090	0.0016	0.0095	0.2077	0.0201	0.1876	0.0067	0.0007	0.0577	0.3032	4.2498		34.70	34.70	28.60	28.60	6.50	6.50	1.85			69.01	63.78	6.67	97.77	97.77
52.0	15-Jun-95		106	White Marker	25.63417	-80.13000	1995.45	BB	OCHAN	0.45	06	1995	1995-06	0.0073	0.0060	0.0013	0.0061	0.1804	0.0134	0.1671	0.0071	0.0002	0.0412	0.3731	1.8800		35.00	35.50	29.00	28.70	6.80	6.90	0.95			56.04	127.33	4.15	102.80	104.39
52.0	15-Jun-95		107	Fowey Rocks	25.59000	-80.10000	1995.45	BB	MAIN	0.45	06	1995	1995-06	0.0029	0.0026	0.0002	0.0055	0.1180	0.0084	0.1096	0.0063	0.0005	0.0362	0.2487	1.0903		35.80	35.80	28.50	28.50	7.10	7.10	0.45			41.64	40.00	2.96	107.45	107.45
52.0	15-Jun-95		108	Marker G-1B	25.56917	-80.19250	1995.45	BB	OCHAN	0.45	06	1995	1995-06	0.0019	0.0014	0.0005	0.0030	0.1503	0.0049	0.1454	0.0053	0.0002	0.0791	0.1762	2.5450		35.10	35.10	29.10	29.00	7.40	7.60	0.65			62.23	70.00	2.03	112.03	114.96
52.0	15-Jun-95		109	Midbay North	25.56417	-80.23500	1995.45	BB	MAIN	0.45	06	1995	1995-06	0.0065	0.0051	0.0014	0.0086	0.1901	0.0151	0.1750	0.0060	0.0002	0.1054	0.1684	2.6690		34.50	34.60	29.30	29.30	6.50	6.30	1.00			70.55	216.00	5.61	98.18	95.22
52.0	15-Jun-95		110	Fender Point	25.50500	-80.28750	1995.45	BB	IS	0.45	06	1995	1995-06	0.0478	0.0440	0.0038	0.0208	0.3299	0.0686	0.2613	0.0060	0.0000	0.1664	0.2189	3.6800		30.70	30.70	29.30	29.30	6.80	7.10	0.80			120.85		25.14	100.30	104.72
52.0	15-Jun-95		111	Featherbed Bank	25.51583	-80.24000	1995.45	BB	MAIN	0.45	06	1995	1995-06	0.0063	0.0049	0.0014	0.0109	0.2273	0.0172	0.2101	0.0046	0.0001	0.1417	0.1840	3.8023		34.60	34.60	28.60	28.60	7.10	6.90	1.15			110.07	492.00	8.34	106.72	103.72
52.0	15-Jun-95		112	Sands Cut	25.48833	-80.18833	1995.45	BB	MAIN	0.45	06	1995	1995-06	0.0052	0.0039	0.0013	0.0058	0.1668	0.0110	0.1558	0.0062	0.0004	0.0560	0.2215	3.5350		35.20	35.20	28.60	28.60	6.10	5.90	1.05			59.58	62.80	3.93	92.04	89.02
52.0	14-Jun-95		113	Elliott Key	25.44167	-80.22333	1995.45	BB	MAIN	0.45	06	1995	1995-06	0.0134	0.0120	0.0014	0.0281	0.2257	0.0415	0.1841	0.0058	0.0004	0.1051	0.2073	2.0020		34.20	34.20	27.70	27.70	5.80	5.70	1.30			85.98	237.40	15.83	86.31	84.82
52.0	14-Jun-95		114	Caesar Creek	25.38500	-80.19167	1995.45	BB	OCHAN	0.45	06	1995	1995-06	0.0025	0.0019	0.0005	0.0036	0.1492	0.0061	0.1432	0.0057	0.0001	0.0237	0.2060	1.6633		35.80	35.80	28.90	28.90	5.80	5.70	0.75			57.61	173.00	2.34	88.05	86.54
52.0	14-Jun-95		115	Adams Key	25.40417	-80.24083	1995.45	BB	MAIN	0.45	06	1995	1995-06	0.0100	0.0085	0.0015	0.0062	0.2053	0.0162	0.1891	0.0050	0.0002	0.0576	0.2138	2.2578		35.10	35.00	27.90	27.90	5.40	5.40	1.00			90.25	154.33	7.12	80.95	80.90
52.0	14-Jun-95		116	Rubicon Keys	25.40000	-80.25500	1995.45	BB	MAIN	0.45	06	1995	1995-06	0.0121	0.0106	0.0016	0.0085	0.3792	0.0207	0.3585	0.0055	0.0003	0.0492	0.1995	2.1433		34.90	34.90	27.90	27.90	5.30	5.40	2.20			152.59	147.50	8.31	79.36	80.85
52.0	14-Jun-95		117	Totten Key	25.38500	-80.26500	1995.45	BB	MAIN	0.45	06	1995	1995-06	0.0137	0.0121	0.0016	0.0124	0.4419	0.0260	0.4158	0.0061	0.0007	0.1187	0.2462	5.0060		31.80	31.60	27.60	27.70	5.60	5.80	0.95			159.81	82.67	9.42	82.00	84.90
52.0	14-Jun-95		118	Broad Creek	25.34833	-80.25500	1995.45	BB	MAIN	0.45	06	1995	1995-06	0.0075	0.0064	0.0011	0.0049	0.2438	0.0124	0.2314	0.0052	0.0002	0.0763	0.1956	2.1880		35.20	35.30	27.80	28.70	5.60	5.70	0.75			103.98	177.00	5.28	83.93	86.13
52.0	14-Jun-95		119	Pumpkin Key	25.31833	-80.30333	1995.45	BB	SCARD	0.45	06	1995	1995-06	0.0116	0.0096	0.0021	0.0161	0.4131	0.0278	0.3854	0.0071	0.0006	0.2289	1.0727	4.0365		31.80	31.90	29.00	29.00	5.80	5.90	1.05			129.72	99.13	8.71	85.94	87.47
52.0	14-Jun-95		120	Card Sound South	25.31417	-80.34333	1995.45	BB	SCARD	0.45	06	1995	1995-06	0.0215	0.0186	0.0029	0.0250	0.5139	0.0464	0.4675	0.0082	0.0000	0.3832	1.7801	5.0165		30.50	30.40	29.30	29.30	6.00	6.00	1.90			138.52		12.52	88.39	88.33
52.0	14-Jun-95		121	Card Sound North	25.35500	-80.29167	1995.45	BB	SCARD	0.45	06	1995	1995-06	0.0087	0.0076	0.0011	0.0068	0.3827	0.0155	0.3673	0.0064	0.0003	0.2238	0.9458	4.9863		31.80	31.90	28.50	28.50	6.10	6.20	1.15			133.36	110.50	5.39	90.02	91.55
52.0	14-Jun-95		122	West Arsenicker	25.42017	-80.31083	1995.45	BB	IS	0.45	06	1995	1995-06	0.0185	0.0169	0.0016	0.0155	0.4219	0.0341	0.3878	0.0049	0.0000	0.2052	0.1749	6.0765		31.60	31.80	27.90	27.90	6.40	6.50	1.20			191.32		15.44	93.85	95.43
52.0	14-Jun-95		123	Pelican Bank	25.44500	-80.28333	1995.45	BB	MAIN	0.45	06	1995	1995-06	0.0257	0.0237	0.0021	0.0286	0.3244	0.0543	0.2701	0.0050	0.0000	0.1475	0.2604	3.1955		32.60	32.60	27.90	28.00	5.80	5.60	0.95			144.83		24.23	85.59	82.71
52.0	15-Jun-95		124	Midbay South	25.47250	-80.23333	1995.45	BB	MAIN	0.45	06	1995	1995-06	0.0030	0.0024	0.0006	0.0166	0.2381	0.0196	0.2185	0.0040	0.0003	0.1713	0.1866	5.3305		34.60	34.50	28.60	28.70	6.70	6.70	1.55			130.83	140.00	10.77	100.71	100.73
52.0	15-Jun-95		125	Turkey Point	25.47000	-80.28333	1995.45	BB	TP	0.45	06	1995	1995-06	0.0482	0.0445	0.0037	0.0231	0.3419	0.0712	0.2707	0.0050	0.0009	0.1137	0.1995	5.5613		32.80	33.70	28.00	28.60	6.00	5.80	0.60			152.63	169.58	31.80	88.73	86.69
53.0	06-Jul-95		101	Convoy Point	25.47833	-80.32083	1995.51	BB	AS	0.51	07	1995	1995-07	0.1314	0.1217	0.0097	0.0109	0.6259	0.1422	0.4837	0.0047	0.0008	0.5025	0.2423	4.8878		20.90	20.90	31.80	31.80	8.60	8.70	0.85			293.17	406.40	66.62	121.47	122.88
53.0	06-Jul-95		102	Black Point	25.54583	-80.29467	1995.51	BB	AS	0.51	07	1995	1995-07	0.0718	0.0615	0.0103	0.0341	0.7337	0.1058	0.6279	0.0072	0.0001	0.5402	0.0816	7.7075		14.10	14.80	31.20	31.20	7.30	8.60	1.00			225.40	3023.00	32.51	98.47	116.51
53.0	06-Jul-95		103	Near Black Ledge	25.57333	-80.28667	1995.51	BB	IS	0.51	07	1995	1995-07	0.0901	0.0842	0.0058	0.0173	0.5219	0.1074	0.4145	0.0060	0.0002	0.1963	0.0803	4.6170		24.40	24.40	31.21	31.20	6.10	6.10	1.05			191.18	1023.00	39.35	87.71	87.70
53.0	06-Jul-95		104	BNP Marker C	25.60167	-80.22083	1995.51	BB	MAIN	0.51	07	1995	1995-07	0.0134	0.0109	0.0025	0.0135	0.3286	0.0270	0.3016	0.0053	0.0002	0.1350	0.0661	3.2725		32.50	32.50	31.00	31.00	5.80	5.70	1.80			138.06	256.67	11.32	87.56	86.05
53.0	06-Jul-95		105	Biscayne Channel	25.65417	-80.18667	1995.51	BB	MAIN	0.51	07	1995	1995-07	0.0305	0.0267	0.0037	0.0146	0.3330	0.0450	0.2880	0.0057	0.0001	0.1099	0.0492	3.8283		28.40	29.60	30.70	30.70	6.10	6.10	1.15			130.34	1287.00	17.63	89.60	90.27
53.0	06-Jul-95		106	White Marker	25.63417	-80.13000	1995.51	BB	OCHAN	0.51	07	1995	1995-07	0.0098	0.0081	0.0017	0.0073	0.2641	0.0170	0.2471	0.0054	0.0001	0.0911	0.1827	3.1018		31.40	32.40	30.40	30.50	5.90	5.70	1.85			107.80	487.00	6.96	88.11	85.71
53.0	06-Jul-95		107	Fowey Rocks	25.59000	-80.10000	1995.51	BB	MAIN	0.51	07	1995	1995-07	0.0006	0.0000	0.0006	0.0039	0.1908	0.0045	0.1863	0.0054	0.0002	0.0738	0.0635	2.7240		35.40	35.40	30.30	30.30	6.40	6.40	0.60			77.88	64.00	1.83	97.92	97.92
53.0	06-Jul-95		108	Marker G-1B	25.56917	-80.19250	1995.51	BB	OCHAN	0.51	07	1995	1995-07	0.0061	0.0049	0.0013	0.0065	0.2170	0.0126	0.2043	0.0051	0.0002	0.0817	0.1036	2.5758		33.80	33.70	31.10	31.20	6.00	6.20	1.30			93.92	180.50	5.47	91.37	94.42
53.0	06-Jul-95		109	Midbay North	25.56417	-80.23500	1995.51	BB	MAIN	0.51	07	1995	1995-07	0.0235	0.0205	0.0030	0.0121	0.2904	0.0355	0.2549	0.0047	0.0004	0.1350	0.0726	3.0328		32.00	32.00	31.20	31.20	6.00	6.20	0.80			136.02	203.00	16.64	90.42	93.43
53.0	06-Jul-95		110	Fender Point	25.50500	-80.28750	1995.51	BB	IS	0.51	07	1995	1995-07	0.1085	0.1000	0.0086	0.0137	0.5101	0.1222	0.3879	0.0064	0.0003	0.4036	0.2008	5.0523		21.10	21.10	31.70	31.70	8.10	8.80	1.10			177.75	873.00	42.59	114.48	124.37
53.0	06-Jul-95		111	Featherbed Bank	25.51583	-80.24000	1995.51	BB	MAIN	0.51	07	1995	1995-07	0.0340	0.0311	0.0029	0.0245	0.3590	0.0585	0.3005	0.0050	0.0005	0.1052	0.0570	3.5530		31.50	32.70	30.50	30.70	5.90	5.80	1.20			160.26	278.33	26.09	88.23	87.50
53.0	06-Jul-95		112	Sands Cut	25.48833	-80.18833	1995.51	BB	MAIN	0.51	07	1995	1995-07	0.0043	0.0034	0.0009	0.0156	0.2373	0.0199	0.2174	0.0058	0.0007	0.1036	0.0531	2.4915		34.20	34.40	30.90	30.90	5.60	5.30	1.10			90.40	63.11	7.57	85.38	80.91
53.0	05-Jul-95		113	Elliott Key	25.44167	-80.22333	1995.51	BB	MAIN	0.51	07	1995	1995-07	0.0190	0.0168	0.0022	0.0411	0.3207	0.0601	0.2606	0.0064	0.0013	0.0914	0.2306	4.2718		31.60	31.60	30.80	30.90	6.50	6.50	2.05			110.39	100.94	20.67	97.46	97.52
53.0	05-Jul-95		114	Caesar Creek	25.38500	-80.19167	1995.51	BB	OCHAN	0.51	07	1995	1995-07	0.0012	0.0005	0.0007	0.0040	0.1778	0.0052	0.1726	0.0064	0.0006	0.0931	0.2215	1.6083		35.30	35.40	30.60	30.60	6.60	6.70	2.55			61.94	18.50	1.80	101.12	102.72
53.0	05-Jul-95		115	Adams Key	25.40417	-80.24083	1995.51	BB	MAIN	0.51	07	1995	1995-07	0.0178	0.0155	0.0023	0.0129	0.2618	0.0307	0.2311	0.0053	0.0003	0.1014	0.1373	3.3478		32.40	32.40	31.40	31.40	6.20	6.20	1.70			108.40	219.25	12.71	93.78	93.78
53.0	05-Jul-95		116	Rubicon Keys	25.40000	-80.25500	1995.51	BB	MAIN	0.51	07	1995	1995-07	0.0247	0.0217	0.0030	0.0209	0.3762	0.0456	0.3306	0.0057	0.0019	0.0931	0.1425	3.0588		30.70	31.00	31.30	31.30	6.30	6.40	2.75			147.26	54.29	17.85	94.24	95.91
53.0	05-Jul-95		117	Totten Key	25.38500	-80.26500	1995.51	BB	MAIN	0.51	07	1995	1995-07	0.0447	0.0417	0.0029	0.0279	0.4714	0.0726	0.3989	0.0060	0.0003	0.1429	0.1296	4.0185		26.90	27.10	31.30	31.30	6.50	6.70	2.90			172.69	518.50	26.59	94.97	98.01
53.0	05-Jul-95		118	Broad Creek	25.34833	-80.25500	1995.51	BB	MAIN	0.51	07	1995	1995-07	0.0230	0.0207	0.0022	0.0138	0.3608	0.0368	0.3240	0.0057	0.0003	0.0997	0.1684	4.1110		29.70	29.70	31.20	31.30	7.00	7.00	1.85			139.30	262.50	14.19	104.00	104.06
53.0	05-Jul-95		119	Pumpkin Key	25.31833	-80.30333	1995.51	BB	SCARD	0.51	07	1995	1995-07	0.0454	0.0411	0.0043	0.0538	0.5448	0.0992	0.4456	0.0078	0.0002	0.1413	0.2876	6.3125		25.50	29.30	31.70	32.80	6.70	5.30	1.45			155.66	1417.50	28.35	97.30	79.29
53.0	05-Jul-95		120	Card Sound South	25.31417	-80.34333	1995.51	BB	SCARD	0.51	07	1995	1995-07	0.0325	0.0279	0.0046	0.0362	0.5551	0.0686	0.4865	0.0071	0.0001	0.2560	0.2280	6.9835		23.90	25.40	31.70	31.60	6.60	8.00	2.35			172.39	1961.20	21.32	94.90	116.03
53.0	05-Jul-95		121	Card Sound North	25.35500	-80.29167	1995.51	BB	SCARD	0.51	07	1995	1995-07	0.0329	0.0300	0.0030	0.0286	0.4762	0.0616	0.4147	0.0071	0.0000	0.1562	0.2332	5.8425		27.40	28.40	31.40	31.80	6.60	7.10	1.35			149.53		19.33	96.79	105.03
53.0	05-Jul-95		122	West Arsenicker	25.42017	-80.31083	1995.51	BB	IS	0.51	07	1995	1995-07	0.0190	0.0167	0.0023	0.0186	0.4254	0.0376	0.3878	0.0061	0.0000	0.2742	0.2462	6.2578		27.20	27.20	31.60	31.60	7.20	7.40	0.90			153.85		13.58	105.59	108.53
53.0	05-Jul-95		123	Pelican Bank	25.44500	-80.28333	1995.51	BB	MAIN	0.51	07	1995	1995-07	0.1059	0.1001	0.0057	0.0453	0.4800	0.1512	0.3288	0.0057	0.0001	0.1463	0.1231	4.6270		26.20	26.20	30.70	30.70	6.10	6.20	1.60			185.32	4320.00	58.38	88.38	89.83
53.0	06-Jul-95		124	Midbay South	25.47250	-80.23333	1995.51	BB	MAIN	0.51	07	1995	1995-07	0.0130	0.0117	0.0013	0.0243	0.3566	0.0372	0.3194	0.0050	0.0001	0.1790	0.0428	3.5188		31.60	31.70	30.80	30.80	6.10	6.00	1.90			156.75	1064.00	16.37	91.46	90.02
53.0	06-Jul-95		125	Turkey Point	25.47000	-80.28333	1995.51	BB	TP	0.51	07	1995	1995-07	0.1386	0.1331	0.0055	0.0366	0.5011	0.1752	0.3259	0.0055	0.0000	0.1303	0.0596	3.6488		26.10	26.10	30.60	30.60	6.10	5.90	1.25			201.66		70.51	88.27	85.37
54.0	23-Aug-95		101	Convoy Point	25.47833	-80.32083	1995.64	BB	AS	0.64	08	1995	1995-08	0.1550	0.1478	0.0072	0.0352	0.8352	0.1902	0.6450	0.0071	0.0012	0.3781	0.3764	3.4153		22.20	22.40	31.00	31.10	4.90	5.50	1.75			262.23	362.27	59.71	69.40	78.05
54.0	23-Aug-95		102	Black Point	25.54583	-80.29467	1995.64	BB	AS	0.64	08	1995	1995-08	0.0311	0.0271	0.0040	0.0272	0.7960	0.0583	0.7377	0.0057	0.0007	0.6545	0.5002	6.3725		22.10	22.10	30.70	30.80	4.40	4.40	0.85			307.32	185.11	22.51	62.15	62.19
54.0	23-Aug-95		103	Near Black Ledge	25.57333	-80.28667	1995.64	BB	IS	0.64	08	1995	1995-08	0.1101	0.1043	0.0058	0.0346	0.6734	0.1447	0.5287	0.0066	0.0011	0.4586	0.4754	4.8855		24.00	24.70	30.50	30.70	5.00	5.30	0.55			226.36	295.29	48.64	71.36	76.08
54.0	23-Aug-95		104	BNP Marker C	25.60167	-80.22083	1995.64	BB	MAIN	0.64	08	1995	1995-08	0.0166	0.0134	0.0032	0.0198	0.4125	0.0364	0.3761	0.0041	0.0019	0.0592	0.3152	2.1760		30.90	31.10	31.00	31.20	5.50	5.40	1.75			222.39	43.33	19.62	82.21	80.92
54.0	23-Aug-95		105	Biscayne Channel	25.65417	-80.18667	1995.64	BB	MAIN	0.64	08	1995	1995-08	0.0129	0.0111	0.0018	0.0107	0.3880	0.0236	0.3644	0.0045	0.0012	0.0592	0.3217	2.3075		31.10	33.90	30.60	30.60	5.50	5.40	2.95			191.13	42.19	11.64	82.10	82.02
54.0	23-Aug-95		106	White Marker	25.63417	-80.13000	1995.64	BB	OCHAN	0.64	08	1995	1995-08	0.0034	0.0029	0.0005	0.0074	0.2690	0.0107	0.2582	0.0033	0.0010		0.7581	4.8015		34.60	34.80	30.40	30.60	6.20	6.20				182.96	23.62	7.31	94.45	94.70
54.0	23-Aug-95		107	Fowey Rocks	25.59000	-80.10000	1995.64	BB	MAIN	0.64	08	1995	1995-08	0.0029	0.0026	0.0003	0.0013	0.2200	0.0042	0.2158	0.0015	0.0003		0.2996	1.7313		35.70	35.60	30.10	30.20	5.90	5.90				330.88	30.25	6.37	90.31	90.32
54.0	23-Aug-95		108	Marker G-1B	25.56917	-80.19250	1995.64	BB	OCHAN	0.64	08	1995	1995-08	0.0033	0.0026	0.0007	0.0051	0.2280	0.0084	0.2195	0.0039	0.0005	0.0835	0.2279	1.9370		33.40	33.40	30.70	30.70	4.80	4.80	1.55			130.26	40.17	4.82	72.73	72.73
54.0	23-Aug-95		109	Midbay North	25.56417	-80.23500	1995.64	BB	MAIN	0.64	08	1995	1995-08	0.0155	0.0136	0.0019	0.0131	0.3161	0.0287	0.2874	0.0041	0.0003	0.1048	0.2800	4.3965		30.20	30.20	30.80	30.90	5.20	5.30	0.70			170.41	204.75	15.45	77.29	78.83
54.0	23-Aug-95		110	Fender Point	25.50500	-80.28750	1995.64	BB	IS	0.64	08	1995	1995-08	0.0206	0.0179	0.0027	0.0228	0.5518	0.0433	0.5085	0.0059	0.0019	0.2415	0.3790	4.2398		23.60	23.90	30.70	30.90	4.90	5.30	0.60			207.44	51.58	16.29	69.86	75.81
54.0	23-Aug-95		111	Featherbed Bank	25.51583	-80.24000	1995.64	BB	MAIN	0.64	08	1995	1995-08	0.0101	0.0086	0.0015	0.0090	0.2660	0.0191	0.2470	0.0053	0.0002	0.0775	0.4142	3.9558		34.10	34.10	30.90	31.00	5.00	4.90	1.40			111.78	272.50	8.01	76.19	74.71
54.0	23-Aug-95		112	Sands Cut	25.48833	-80.18833	1995.64	BB	MAIN	0.64	08	1995	1995-08	0.0038	0.0026	0.0012	0.0072	0.2610	0.0110	0.2500	0.0051	0.0002	0.0866	0.2670	1.9648		34.30	34.30	30.70	30.60	4.00	3.40	2.15			113.00	105.00	4.77	60.95	51.77
54.0	22-Aug-95		113	Elliott Key	25.44167	-80.22333	1995.64	BB	MAIN	0.64	08	1995	1995-08	0.0202	0.0191	0.0012	0.0301	0.3875	0.0503	0.3372	0.0046	0.0005	0.1113	0.2110	3.8645		31.60	31.60	31.70	31.70	5.60	5.50	1.00			187.66	239.50	24.36	84.44	82.93
54.0	22-Aug-95		114	Caesar Creek	25.38500	-80.19167	1995.64	BB	OCHAN	0.64	08	1995	1995-08	0.0017	0.0014	0.0003	0.0027	0.2273	0.0044	0.2229	0.0021	0.0004	0.0577	0.1211	2.9533		35.60	35.50	31.40	31.40	5.20	5.20	1.15			240.57	25.40	4.70	80.23	80.18
54.0	22-Aug-95		115	Adams Key	25.40417	-80.24083	1995.64	BB	MAIN	0.64	08	1995	1995-08	0.0139	0.0130	0.0009	0.0120	0.3197	0.0259	0.2938	0.0053	0.0002	0.1020	0.1550	4.0060		32.60	34.20	31.80	32.00	5.60	5.10	1.50			134.33	246.33	10.87	85.02	78.28
54.0	22-Aug-95		116	Rubicon Keys	25.40000	-80.25500	1995.64	BB	MAIN	0.64	08	1995	1995-08	0.0172	0.0160	0.0012	0.0098	0.3545	0.0270	0.3275	0.0033	0.0004	0.0550	0.2305	3.7235		32.70	33.20	32.30	32.00	5.40	5.40	1.80			241.14	154.00	18.33	82.27	82.38
54.0	22-Aug-95		117	Totten Key	25.38500	-80.26500	1995.64	BB	MAIN	0.64	08	1995	1995-08	0.0165	0.0152	0.0013	0.0110	0.3968	0.0275	0.3694	0.0056	0.0001	0.1140	0.1863	4.4470		31.60	32.10	32.30	32.30	5.30	5.70	1.35			157.47	785.00	10.90	80.20	86.52
54.0	22-Aug-95		118	Broad Creek	25.34833	-80.25500	1995.64	BB	MAIN	0.64	08	1995	1995-08	0.0137	0.0120	0.0017	0.0081	0.4196	0.0218	0.3977	0.0050	0.0002	0.1060	0.2918	4.5328		31.50	31.50	31.80	31.80	4.70	4.70	1.15			184.42	208.00	9.60	70.87	70.87
54.0	22-Aug-95		119	Pumpkin Key	25.31833	-80.30333	1995.64	BB	SCARD	0.64	08	1995	1995-08	0.0261	0.0241	0.0020	0.0200	0.5282	0.0460	0.4822	0.0062	0.0008	0.1006	0.3882	5.8360		27.20	30.60	31.90	33.80	6.10	6.30	0.80			188.66	131.46	16.43	89.63	95.48
54.0	22-Aug-95		120	Card Sound South	25.31417	-80.34333	1995.64	BB	SCARD	0.64	08	1995	1995-08	0.0302	0.0274	0.0028	0.0233	0.5498	0.0536	0.4963	0.0078	0.0011	0.1046	0.3022	6.2458		26.20	27.30	32.50	32.80	6.10	5.50	0.70			155.54	109.29	15.15	89.39	81.28
54.0	22-Aug-95		121	Card Sound North	25.35500	-80.29167	1995.64	BB	SCARD	0.64	08	1995	1995-08	0.0301	0.0278	0.0023	0.0158	0.5136	0.0459	0.4676	0.0088	0.0009	0.1382	0.1654	5.8473		27.70	30.80	32.40	32.20	5.90	6.20	1.00			129.85	119.27	11.61	87.21	93.30
54.0	22-Aug-95		122	West Arsenicker	25.42017	-80.31083	1995.64	BB	IS	0.64	08	1995	1995-08	0.0280	0.0257	0.0023	0.0132	0.4928	0.0412	0.4516	0.0063	0.0011	0.2106	0.2214	5.9635		26.80	26.80	32.50	32.70	6.80	6.50	0.80			173.84	84.07	14.53	100.02	95.71
54.0	22-Aug-95		123	Pelican Bank	25.44500	-80.28333	1995.64	BB	MAIN	0.64	08	1995	1995-08	0.0489	0.0465	0.0025	0.0240	0.4409	0.0729	0.3680	0.0063	0.0005	0.0671	0.2097	4.5503		29.20	29.30	31.80	31.80	5.60	5.50	1.05			155.53	297.71	25.73	83.25	81.82
54.0	23-Aug-95		124	Midbay South	25.47250	-80.23333	1995.64	BB	MAIN	0.64	08	1995	1995-08	0.0142	0.0128	0.0015	0.0288	0.3031	0.0430	0.2601	0.0044	0.0004	0.1412	0.1967	3.2990		31.00	31.00	31.00	31.20	5.40	5.30	1.35			151.95	245.80	21.56	80.77	79.38
54.0	23-Aug-95		125	Turkey Point	25.47000	-80.28333	1995.64	BB	TP	0.64	08	1995	1995-08	0.0682	0.0651	0.0032	0.0254	0.4014	0.0936	0.3078	0.0056	0.0009	0.0592	0.3803	2.3013		28.60	28.80	30.70	30.80	5.50	5.20	1.00			159.30	222.83	37.14	80.89	76.62
55.0	15-Sep-95		101	Convoy Point	25.47833	-80.32083	1995.70	BB	AS	0.70	09	1995	1995-09	0.5713	0.5548	0.0166	0.0079	1.2555	0.5793	0.6762	0.0095	0.0029	0.3157	0.8518	5.9503		13.90	18.00	29.80	31.00	7.60	10.90	1.50			291.64	447.32	134.56	101.31	150.41
55.0	15-Sep-95		102	Black Point	25.54583	-80.29467	1995.70	BB	AS	0.70	09	1995	1995-09	0.2473	0.2339	0.0133	0.0450	0.8600	0.2923	0.5677	0.0082	0.0014	0.3266	0.4977	5.0745		13.00	18.90	29.80	30.00	7.80	10.40	1.05			231.81	464.00	78.79	103.40	143.26
55.0	15-Sep-95		103	Near Black Ledge	25.57333	-80.28667	1995.70	BB	IS	0.70	09	1995	1995-09	0.1531	0.1458	0.0072	0.0240	0.6857	0.1771	0.5086	0.0053	0.0005	0.1450	0.2201	3.6070		20.80	22.50	29.80	29.60	6.30	6.60	0.80			288.11	843.17	74.40	87.68	92.69
55.0	15-Sep-95		104	BNP Marker C	25.60167	-80.22083	1995.70	BB	MAIN	0.70	09	1995	1995-09	0.0099	0.0081	0.0018	0.0082	0.4972	0.0181	0.4791	0.0046	0.0004	0.0695	0.2129	3.3768		32.10	32.10	29.30	29.30	6.00	6.10	2.10			240.76	103.40	8.76	89.28	90.76
55.0	15-Sep-95		105	Biscayne Channel	25.65417	-80.18667	1995.70	BB	MAIN	0.70	09	1995	1995-09	0.0191	0.0166	0.0025	0.0107	0.4834	0.0298	0.4536	0.0047	0.0004	0.0609	0.3051	2.4983		29.30	30.10	29.30	29.30	6.20	6.10	2.50			226.42	170.20	13.95	90.65	89.63
55.0	15-Sep-95		106	White Marker	25.63417	-80.13000	1995.70	BB	OCHAN	0.70	09	1995	1995-09	0.0086	0.0070	0.0016	0.0058	0.4113	0.0145	0.3969	0.0047	0.0002	0.0293	0.2943	2.9950		31.50	33.60	29.30	29.60	5.90	6.10	1.75			195.87	206.50	6.88	87.46	91.83
55.0	15-Sep-95		107	Fowey Rocks	25.59000	-80.10000	1995.70	BB	MAIN	0.70	09	1995	1995-09	0.0008	0.0005	0.0004	0.0028	0.3498	0.0036	0.3462	0.0040	0.0000	0.0317	0.2094	2.0240		34.10	35.10	29.60	29.50	6.00	5.80	1.20			195.98		2.02	90.61	88.07
55.0	15-Sep-95		108	Marker G-1B	25.56917	-80.19250	1995.70	BB	OCHAN	0.70	09	1995	1995-09	0.0018	0.0012	0.0006	0.0044	0.2855	0.0061	0.2794	0.0047	0.0002	0.0414	0.2034	2.3138		32.40	32.40	29.30	29.30	6.30	6.30	1.00			135.97	58.33	2.92	93.92	93.92
55.0	15-Sep-95		109	Midbay North	25.56417	-80.23500	1995.70	BB	MAIN	0.70	09	1995	1995-09	0.0103	0.0086	0.0017	0.0066	0.3814	0.0169	0.3645	0.0041	0.0001	0.0719	0.1926	2.4778		31.70	31.70	29.60	29.60	6.40	6.40	1.75			205.60	482.00	9.09	95.21	95.21

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
55.0	15-Sep-95		110	Fender Point	25.50500	-80.28750	1995.70	BB	IS	0.70	09	1995	1995-09	0.4727	0.4561	0.0167	0.0198	1.0257	0.4926	0.5332	0.0074	0.0009	0.4278	0.4905	4.3635		15.10	15.00	29.90	30.00	8.50	9.30	1.10			305.27	1279.36	146.59	114.25	125.03
55.0	15-Sep-95		111	Featherbed Bank	25.51583	-80.24000	1995.70	BB	MAIN	0.70	09	1995	1995-09	0.0229	0.0211	0.0018	0.0176	0.4353	0.0405	0.3948	0.0036	0.0006	0.0683	0.2357	2.8085		30.20	31.30	29.00	29.30	6.30	6.20	1.10			264.63	144.63	24.62	92.41	91.79
55.0	15-Sep-95		112	Sands Cut	25.48833	-80.18833	1995.70	BB	MAIN	0.70	09	1995	1995-09	0.0041	0.0033	0.0008	0.0114	0.3832	0.0155	0.3677	0.0044	0.0004	0.0743	0.2620	3.5950		33.60	34.20	29.20	29.40	5.90	5.50	1.05			192.06	88.60	7.77	88.55	82.98
55.0	14-Sep-95		113	Elliott Key	25.44167	-80.22333	1995.70	BB	MAIN	0.70	09	1995	1995-09	0.0186	0.0174	0.0012	0.0286	0.4592	0.0472	0.4120	0.0047	0.0002	0.0926	0.2393	2.8423		30.80	30.90	29.10	29.20	6.50	6.90	1.30			215.11	674.50	22.11	95.78	101.82
55.0	14-Sep-95		114	Caesar Creek	25.38500	-80.19167	1995.70	BB	OCHAN	0.70	09	1995	1995-09	0.0018	0.0011	0.0006	0.0056	0.2881	0.0074	0.2808	0.0047	0.0005	0.0617	0.2058	2.0923		35.00	35.00	29.60	29.60	6.30	6.20	3.15			137.21	35.00	3.50	95.67	94.15
55.0	14-Sep-95		115	Adams Key	25.40417	-80.24083	1995.70	BB	MAIN	0.70	09	1995	1995-09	0.0139	0.0128	0.0011	0.0091	0.3566	0.0230	0.3336	0.0043	0.0005	0.0730	0.0622	2.6733		31.50	31.50	29.60	29.60	6.10	6.10	1.30			181.95	93.86	11.73	90.63	90.63
55.0	14-Sep-95		116	Rubicon Keys	25.40000	-80.25500	1995.70	BB	MAIN	0.70	09	1995	1995-09	0.0156	0.0146	0.0010	0.0092	0.3752	0.0248	0.3505	0.0047	0.0005	0.0828	0.2297	3.1483		30.80	30.60	29.40	29.40	6.10	6.30	0.50			178.68	118.00	11.80	90.10	92.93
55.0	14-Sep-95		117	Totten Key	25.38500	-80.26500	1995.70	BB	MAIN	0.70	09	1995	1995-09	0.0143	0.0130	0.0013	0.0084	0.3737	0.0226	0.3510	0.0051	0.0012	0.1347	0.2285	6.1193		28.30	28.30	29.40	29.50	6.50	6.50	0.80			161.75	43.13	9.80	94.51	94.59
55.0	14-Sep-95		118	Broad Creek	25.34833	-80.25500	1995.70	BB	MAIN	0.70	09	1995	1995-09	0.0107	0.0097	0.0010	0.0064	0.3042	0.0171	0.2871	0.0045	0.0006	0.0912	0.1878	3.4688		30.40	30.40	29.30	29.30	6.10	6.00	0.75			149.84	61.13	8.43	89.80	88.33
55.0	14-Sep-95		119	Pumpkin Key	25.31833	-80.30333	1995.70	BB	SCARD	0.70	09	1995	1995-09	0.0174	0.0158	0.0016	0.0209	0.4373	0.0383	0.3990	0.0055	0.0009	0.0898	0.1436	4.2388		25.20	25.40	29.90	30.00	6.80	6.50	0.35			175.99	99.45	15.41	97.35	93.24
55.0	14-Sep-95		120	Card Sound South	25.31417	-80.34333	1995.70	BB	SCARD	0.70	09	1995	1995-09	0.0189	0.0159	0.0031	0.0189	0.5016	0.0378	0.4638	0.0050	0.0008	0.2175	0.2381	5.4650		21.50	23.80	29.60	29.50	6.60	6.80	1.00			223.92	108.10	16.89	92.11	96.20
55.0	14-Sep-95		121	Card Sound North	25.35500	-80.29167	1995.70	BB	SCARD	0.70	09	1995	1995-09	0.0088	0.0078	0.0010	0.0101	0.3989	0.0189	0.3800	0.0047	0.0005	0.1094	0.2357	5.8818		29.70	29.70	29.80	29.80	6.50	6.50	0.85			189.95	89.83	8.98	95.63	95.63
55.0	14-Sep-95		122	West Arsenicker	25.42017	-80.31083	1995.70	BB	IS	0.70	09	1995	1995-09	0.0155	0.0141	0.0014	0.0078	0.4339	0.0233	0.4105	0.0048	0.0018	0.2231	0.1735	4.4700		24.70	24.60	29.20	29.20	6.80	7.00	0.75			199.95	29.00	10.76	96.52	99.29
55.0	14-Sep-95		123	Pelican Bank	25.44500	-80.28333	1995.70	BB	MAIN	0.70	09	1995	1995-09	0.0570	0.0544	0.0027	0.0130	0.4756	0.0700	0.4056	0.0045	0.0018	0.1515	0.2046	5.1343		24.20	24.20	28.80	28.80	6.40	6.50	1.00			234.30	87.00	34.50	90.26	91.67
55.0	15-Sep-95		124	Midbay South	25.47250	-80.23333	1995.70	BB	MAIN	0.70	09	1995	1995-09	0.0092	0.0083	0.0010	0.0273	0.3975	0.0365	0.3610	0.0039	0.0011	0.1024	0.2321	4.1955		29.70	29.70	29.30	29.30	6.20	6.20	1.20			227.16	74.57	20.88	90.87	90.87
55.0	15-Sep-95		125	Turkey Point	25.47000	-80.28333	1995.70	BB	TP	0.70	09	1995	1995-09	0.0550	0.0525	0.0026	0.0090	0.4761	0.0641	0.4120	0.0044	0.0013	0.0999	0.1962	5.0188		24.60	24.60	29.30	29.30	6.30	6.10	1.20			238.64	107.65	32.11	89.44	86.60
56.0	11-Oct-95		101	Convoy Point	25.47833	-80.32083	1995.77	BB	AS	0.77	10	1995	1995-10	0.0101	0.0079	0.0022	0.0083	0.5498	0.0184	0.5314	0.0059	0.0005	0.5257	0.1962	3.6325		24.40	24.40	28.30	28.30	6.70	6.70	0.75			206.69	75.00	6.91	94.21	94.21
56.0	11-Oct-95		102	Black Point	25.54583	-80.29467	1995.77	BB	AS	0.77	10	1995	1995-10	0.2653	0.2527	0.0126	0.0216	0.8992	0.2869	0.6123	0.0063	0.0005	0.8301	0.1603	5.1248		16.90	17.50	28.30	28.30	6.80	7.20	0.55			317.18	1171.00	101.20	91.20	96.93
56.0	11-Oct-95		103	Near Black Ledge	25.57333	-80.28667	1995.77	BB	IS	0.77	10	1995	1995-10	0.0800	0.0762	0.0038	0.0148	0.5500	0.0947	0.4553	0.0050	0.0002	0.3063	0.2094	3.2270		23.00	23.10	28.40	28.30	6.20	6.30	0.65			245.54	1353.50	42.30	86.49	87.86
56.0	11-Oct-95		104	BNP Marker C	25.60167	-80.22083	1995.77	BB	MAIN	0.77	10	1995	1995-10	0.0035	0.0027	0.0009	0.0087	0.3336	0.0123	0.3213	0.0050	0.0002	0.0652	0.2165	2.0493		33.60	33.50	28.50	28.60	5.80	5.80	0.90			146.62	175.00	5.38	86.57	86.58
56.0	11-Oct-95		105	Biscayne Channel	25.65417	-80.18667	1995.77	BB	MAIN	0.77	10	1995	1995-10	0.0149	0.0126	0.0023	0.0133	0.3367	0.0282	0.3085	0.0059	0.0003	0.0632	0.3804	3.8190		32.30	32.40	28.40	28.40	5.50	5.40	1.25			126.59	201.50	10.61	81.35	79.92
56.0	11-Oct-95		106	White Marker	25.63417	-80.13000	1995.77	BB	OCHAN	0.77	10	1995	1995-10	0.0004	0.0001	0.0002	0.0031	0.2493	0.0035	0.2459	0.0060	0.0002	0.0652	0.3122	2.4910		35.80	35.80	28.70	28.70	5.80	5.80	0.80			92.52	49.50	1.29	87.92	87.92
56.0	11-Oct-95		107	Fowey Rocks	25.59000	-80.10000	1995.77	BB	MAIN	0.77	10	1995	1995-10	0.0006	0.0004	0.0002	0.0021	0.1844	0.0026	0.1817	0.0030	0.0003	0.0395	0.2823	1.4500		36.10	36.10	28.90	28.90	5.90	6.00	0.10			135.07	18.75	1.92	89.74	91.26
56.0	11-Oct-95		108	Marker G-1B	25.56917	-80.19250	1995.77	BB	OCHAN	0.77	10	1995	1995-10	0.0002	0.0000	0.0002	0.0021	0.2222	0.0023	0.2199	0.0050	0.0009	0.0672	0.2225	2.6685		35.30	35.30	28.50	28.50	5.40	5.40	0.55			99.20	5.91	1.02	81.46	81.46
56.0	11-Oct-95		109	Midbay North	25.56417	-80.23500	1995.77	BB	MAIN	0.77	10	1995	1995-10	0.0044	0.0035	0.0009	0.0055	0.3176	0.0100	0.3076	0.0028	0.0001	0.0909	0.1543	2.9865		31.70	31.60	28.60	28.60	6.10	6.10	0.90			252.04	285.00	7.92	90.03	89.98
56.0	11-Oct-95		110	Fender Point	25.50500	-80.28750	1995.77	BB	IS	0.77	10	1995	1995-10	0.1103	0.1061	0.0042	0.0186	0.5348	0.1288	0.4060	0.0034	0.0003	0.2925	0.2919	4.7170		23.40	23.30	28.20	28.20	6.20	6.30	0.65			347.29	920.00	83.64	86.55	87.89
56.0	11-Oct-95		111	Featherbed Bank	25.51583	-80.24000	1995.77	BB	MAIN	0.77	10	1995	1995-10	0.0107	0.0095	0.0012	0.0099	0.3475	0.0206	0.3269	0.0035	0.0002	0.1344	0.1627	4.0038		29.90	30.00	28.30	28.30	5.70	5.70	0.75			220.63	294.00	13.07	82.97	83.03
56.0	11-Oct-95		112	Sands Cut	25.48833	-80.18833	1995.77	BB	MAIN	0.77	10	1995	1995-10	0.0022	0.0019	0.0003	0.0067	0.2628	0.0089	0.2539	0.0041	0.0002	0.1818	1.6354	3.4443		33.70	33.70	28.30	28.30	5.40	5.30	0.65			141.66	84.67	4.79	80.51	79.02
56.0	10-Oct-95		113	Elliott Key	25.44167	-80.22333	1995.77	BB	MAIN	0.77	10	1995	1995-10	0.0067	0.0059	0.0008	0.0123	0.3026	0.0190	0.2836	0.0056	0.0003	0.1430	0.2464	2.4448		32.70	32.60	28.30	28.30	5.60	5.60	1.15			120.07	135.50	7.53	82.97	82.92
56.0	10-Oct-95		114	Caesar Creek	25.38500	-80.19167	1995.77	BB	OCHAN	0.77	10	1995	1995-10	0.0021	0.0016	0.0005	0.0034	0.2453	0.0055	0.2399	0.0076	0.0008	0.0633	0.4115	2.7953		35.60	35.60	28.60	28.60	5.40	5.50	7.80			71.52	15.60	1.59	81.68	83.20
56.0	10-Oct-95		115	Adams Key	25.40417	-80.24083	1995.77	BB	MAIN	0.77	10	1995	1995-10	0.0067	0.0057	0.0009	0.0056	0.2815	0.0123	0.2693	0.0059	0.0002	0.0715	0.3075	3.5548		33.80	33.60	28.40	28.40	4.90	4.80	2.60			105.84	116.67	4.61	73.17	71.58
56.0	10-Oct-95		116	Rubicon Keys	25.40000	-80.25500	1995.77	BB	MAIN	0.77	10	1995	1995-10	0.0102	0.0089	0.0013	0.0099	0.3902	0.0201	0.3700	0.0057	0.0004	0.2043	0.2189	4.8358		28.30	33.10	28.00	28.80	4.40	4.20	0.70			152.70	115.00	7.88	63.24	62.64
56.0	10-Oct-95		117	Totten Key	25.38500	-80.26500	1995.77	BB	MAIN	0.77	10	1995	1995-10	0.0218	0.0194	0.0024	0.0305	0.4780	0.0523	0.4257	0.0060	0.0005	0.1390	0.3003	5.6823		25.30	25.50	28.30	28.30	5.70	5.70	1.10			177.35	249.02	19.40	80.60	80.70
56.0	10-Oct-95		118	Broad Creek	25.34833	-80.25500	1995.77	BB	MAIN	0.77	10	1995	1995-10	0.0051	0.0043	0.0008	0.0048	0.2583	0.0099	0.2483	0.0066	0.0002	0.0858	0.3649	2.9453		35.00	35.00	28.50	28.50	5.20	5.10	4.30			86.82	94.67	3.34	78.30	76.79
56.0	10-Oct-95		119	Pumpkin Key	25.31833	-80.30333	1995.77	BB	SCARD	0.77	10	1995	1995-10	0.0168	0.0145	0.0023	0.0413	0.4651	0.0581	0.4070	0.0078	0.0006	0.0858	0.3469	5.3525		27.30	31.80	29.30	29.30	5.40	5.10	0.80			131.57	207.63	16.45	77.97	75.74
56.0	10-Oct-95		120	Card Sound South	25.31417	-80.34333	1995.77	BB	SCARD	0.77	10	1995	1995-10	0.0327	0.0280	0.0047	0.0446	0.7006	0.0773	0.6233	0.0071	0.0004	0.2227	0.3685	6.9438		21.00	20.90	28.70	28.80	5.80	5.50	1.20			219.97	441.80	24.27	80.10	75.97
56.0	10-Oct-95		121	Card Sound North	25.35500	-80.29167	1995.77	BB	SCARD	0.77	10	1995	1995-10	0.0198	0.0179	0.0019	0.0291	0.4917	0.0489	0.4429	0.0064	0.0004	0.1349	0.2704	5.0668		25.70	26.30	28.50	28.40	5.50	5.40	0.45			169.27	279.20	16.82	78.10	76.91
56.0	10-Oct-95		122	West Arsenicker	25.42017	-80.31083	1995.77	BB	IS	0.77	10	1995	1995-10	0.0133	0.0123	0.0011	0.0114	0.4412	0.0248	0.4164	0.0058	0.0003	0.3923	0.3445	5.4373		23.20	23.20	28.30	28.30	5.80	5.80	0.55			168.06	177.00	9.44	80.94	80.94
56.0	10-Oct-95		123	Pelican Bank	25.44500	-80.28333	1995.77	BB	MAIN	0.77	10	1995	1995-10	0.0239	0.0219	0.0020	0.0167	0.4260	0.0406	0.3854	0.0060	0.0002	0.1880	0.2345	5.0015		26.90	26.80	28.30	28.30	5.70	5.60	1.25			158.08	387.00	15.08	81.42	79.94
56.0	11-Oct-95		124	Midbay South	25.47250	-80.23333	1995.77	BB	MAIN	0.77	10	1995	1995-10	0.0087	0.0077	0.0011	0.0159	0.3594	0.0246	0.3348	0.0048	0.0004	0.2273	0.2070	3.2123		30.60	30.60	28.30	28.40	6.00	6.00	0.95			165.61	140.40	11.32	87.73	87.80
56.0	11-Oct-95		125	Turkey Point	25.47000	-80.28333	1995.77	BB	TP	0.77	10	1995	1995-10	0.0185	0.0168	0.0017	0.0095	0.3608	0.0280	0.3328	0.0050	0.0003	0.1976	0.1448	3.3698		27.50	27.50	28.20	28.20	5.80	5.80	0.55			161.07	200.00	12.50	83.09	83.09
57.0	10-Nov-95		101	Convoy Point	25.47833	-80.32083	1995.86	BB	AS	0.86	11	1995	1995-11	0.4238	0.3919	0.0319	0.0241	0.8721	0.4479	0.4242	0.0079	0.0026	0.6864	0.4142	5.1890		12.80	12.80	23.60	23.60	8.60	8.60	0.85			244.28	376.38	125.46	106.78	106.78
57.0	10-Nov-95		102	Black Point	25.54583	-80.29467	1995.86	BB	AS	0.86	11	1995	1995-11	0.1044	0.0993	0.0051	0.0079	0.5263	0.1124	0.4140	0.0039	0.0013	0.5436	0.2627	5.0148		18.10	18.20	23.20	23.30	8.50	8.70	0.45			300.75	188.82	64.20	108.69	111.46
57.0	10-Nov-95		103	Near Black Ledge	25.57333	-80.28667	1995.86	BB	IS	0.86	11	1995	1995-11	0.0699	0.0669	0.0030	0.0102	0.4105	0.0801	0.3304	0.0038	0.0013	0.2678	0.2154	3.7713		23.90	23.80	23.90	24.00	7.70	7.70	0.35			239.35	134.59	46.69	103.13	103.19
57.0	10-Nov-95		104	BNP Marker C	25.60167	-80.22083	1995.86	BB	MAIN	0.86	11	1995	1995-11	0.0111	0.0090	0.0021	0.0152	0.2772	0.0263	0.2509	0.0063	0.0008	0.0774	0.3539	2.6863		30.50	30.50	24.10	24.20	6.70	6.60	2.00			97.78	75.10	9.27	93.88	92.59
57.0	10-Nov-95		105	Biscayne Channel	25.65417	-80.18667	1995.86	BB	MAIN	0.86	11	1995	1995-11	0.0118	0.0102	0.0015	0.0088	0.2512	0.0205	0.2307	0.0049	0.0001	0.0853	0.3432	2.9338		31.10	31.30	24.30	24.30	6.40	6.30	3.65			113.95	587.00	9.32	90.23	88.94
57.0	10-Nov-95		106	White Marker	25.63417	-80.13000	1995.86	BB	OCHAN	0.86	11	1995	1995-11	0.0002	0.0000	0.0002	0.0024	0.1668	0.0026	0.1642	0.0055	0.0000	0.1409	1.1468	2.0138		35.20	35.20	25.90	25.90	6.80	6.70	1.90			67.11		1.04	100.13	98.66
57.0	10-Nov-95		107	Fowey Rocks	25.59000	-80.10000	1995.86	BB	MAIN	0.86	11	1995	1995-11	0.0007	0.0006	0.0002	0.0014	0.1515	0.0021	0.1494	0.0039	0.0001	0.0575	0.2355	1.6925		36.20	36.20	27.00	27.10	6.90	6.80	0.25			86.58	61.00	1.22	103.34	101.93
57.0	10-Nov-95		108	Marker G-1B	25.56917	-80.19250	1995.86	BB	OCHAN	0.86	11	1995	1995-11	0.0015	0.0011	0.0005	0.0036	0.1951	0.0051	0.1900	0.0042	0.0002	0.1151	0.1929	2.5703		31.80	31.80	23.90	23.90	6.70	6.70	1.80			103.24	48.67	2.70	94.46	94.46
57.0	10-Nov-95		109	Midbay North	25.56417	-80.23500	1995.86	BB	MAIN	0.86	11	1995	1995-11	0.0330	0.0306	0.0024	0.0076	0.2779	0.0405	0.2373	0.0042	0.0006	0.1369	0.2758	2.9915		29.70	29.70	24.30	24.30	7.00	7.00	2.05			147.02	144.75	21.44	97.80	97.80
57.0	10-Nov-95		110	Fender Point	25.50500	-80.28750	1995.86	BB	IS	0.86	11	1995	1995-11	0.2233	0.2163	0.0070	0.0079	0.5276	0.2312	0.2964	0.0040	0.0017	0.2520	0.2758	4.1430		19.90	19.90	23.70	23.70	8.40	8.60	0.65			289.91	300.32	127.06	109.36	111.96
57.0	10-Nov-95		111	Featherbed Bank	25.51583	-80.24000	1995.86	BB	MAIN	0.86	11	1995	1995-11	0.0116	0.0103	0.0013	0.0080	0.2369	0.0196	0.2174	0.0040	0.0005	0.1071	0.2320	2.6128		32.40	32.20	23.40	23.50	6.50	6.50	1.95			132.74	93.17	10.96	91.45	91.44
57.0	10-Nov-95		112	Sands Cut	25.48833	-80.18833	1995.86	BB	MAIN	0.86	11	1995	1995-11	0.0022	0.0017	0.0006	0.0043	0.1793	0.0065	0.1728	0.0048	0.0001	0.0932	0.2107	2.0953		35.00	35.10	23.30	23.20	5.80	5.80	1.50			82.61	186.00	3.00	82.90	82.85
57.0	09-Nov-95		113	Elliott Key	25.44167	-80.22333	1995.85	BB	MAIN	0.85	11	1995	1995-11	0.0164	0.0153	0.0011	0.0201	0.2911	0.0365	0.2546	0.0045	0.0001	0.1379	0.2497	2.6318		31.40	31.40	25.20	25.30	6.70	6.70	3.15			143.40	1042.00	17.97	95.59	95.69
57.0	09-Nov-95		114	Caesar Creek	25.38500	-80.19167	1995.85	BB	OCHAN	0.85	11	1995	1995-11	0.0016	0.0011	0.0006	0.0034	0.2226	0.0050	0.2176	0.0054	0.0001	0.0832	0.2959	1.8495		35.50	35.60	25.70	25.80	6.40	6.30	8.00			90.86	144.00	2.06	94.23	92.91
57.0	09-Nov-95		115	Adams Key	25.40417	-80.24083	1995.85	BB	MAIN	0.85	11	1995	1995-11	0.0177	0.0166	0.0011	0.0127	0.3714	0.0304	0.3410	0.0049	0.0003	0.2840	0.3775	2.8425		30.50	30.80	24.90	24.90	6.70	6.90	7.40			168.44	217.25	13.79	94.73	97.74
57.0	09-Nov-95		116	Rubicon Keys	25.40000	-80.25500	1995.85	BB	MAIN	0.85	11	1995	1995-11	0.0150	0.0140	0.0011	0.0100	0.3668	0.0250	0.3417	0.0044	0.0005	0.1623	0.4190	2.7558		30.40	30.40	25.00	25.00	7.00	7.20	5.30			183.84	119.17	12.54	99.01	101.84
57.0	09-Nov-95		117	Totten Key	25.38500	-80.26500	1995.85	BB	MAIN	0.85	11	1995	1995-11	0.0180	0.0168	0.0012	0.0101	0.3589	0.0281	0.3308	0.0040	0.0007	0.1927	0.4059	2.8928		29.60	29.60	24.90	25.00	7.00	7.00	3.00			197.20	89.22	15.44	98.40	98.50
57.0	09-Nov-95		118	Broad Creek	25.34833	-80.25500	1995.85	BB	MAIN	0.85	11	1995	1995-11	0.0072	0.0062	0.0011	0.0069	0.3493	0.0141	0.3352	0.0047	0.0007	0.1582	0.2982	2.7858		29.90	29.90	24.40	24.40	7.70	7.70	3.85			163.63	44.78	6.61	107.84	107.84
57.0	09-Nov-95		119	Pumpkin Key	25.31833	-80.30333	1995.85	BB	SCARD	0.85	11	1995	1995-11	0.0224	0.0206	0.0019	0.0160	0.4544	0.0385	0.4159	0.0064	0.0014	0.1400	0.5326	3.6485		25.20	28.00	25.20	25.80	6.90	6.90	1.40			158.32	61.06	13.40	94.59	96.93
57.0	09-Nov-95		120	Card Sound South	25.31417	-80.34333	1995.85	BB	SCARD	0.85	11	1995	1995-11	0.0218	0.0200	0.0019	0.0164	0.3547	0.0382	0.3165	0.0045	0.0012	0.2333	0.7551	3.7020		25.30	25.20	25.40	25.60	7.10	6.90	3.55			174.74	72.80	18.83	97.61	95.00
57.0	09-Nov-95		121	Card Sound North	25.35500	-80.29167	1995.85	BB	SCARD	0.85	11	1995	1995-11	0.0197	0.0183	0.0014	0.0094	0.3934	0.0291	0.3643	0.0050	0.0013	0.2130	0.2403	3.5150		25.00	25.90	24.30	24.60	7.60	8.80	1.85			172.91	48.88	12.78	103.00	120.38
57.0	09-Nov-95		122	West Arsenicker	25.42017	-80.31083	1995.85	BB	IS	0.85	11	1995	1995-11	0.0744	0.0710	0.0035	0.0086	0.4763	0.0831	0.3932	0.0041	0.0008	0.4909	0.5030	3.5120		21.70	21.70	24.30	24.30	8.70	8.70	1.20			256.77	237.40	44.79	115.42	115.42
57.0	09-Nov-95		123	Pelican Bank	25.44500	-80.28333	1995.85	BB	MAIN	0.85	11	1995	1995-11	0.1122	0.1092	0.0030	0.0127	0.4964	0.1249	0.3715	0.0038	0.0008	0.1623	0.2024	2.9360		24.40	24.40	24.60	24.60	7.50	7.50	2.45			289.43	356.80	72.82	101.61	101.61
57.0	10-Nov-95		124	Midbay South	25.47250	-80.23333	1995.86	BB	MAIN	0.86	11	1995	1995-11	0.0272	0.0259	0.0013	0.0149	0.2898	0.0421	0.2477	0.0040	0.0005	0.1290	0.1870	2.7658		31.00	31.00	23.90	23.90	6.60	6.50	1.20			162.38	200.67	23.61	92.56	91.16
57.0	10-Nov-95		125	Turkey Point	25.47000	-80.28333	1995.86	BB	TP	0.86	11	1995	1995-11	0.0926	0.0897	0.0029	0.0086	0.3740	0.1013	0.2727	0.0033	0.0015	0.1845	0.2237	3.1563		25.80	25.80	23.20	23.20	6.70	6.70	2.65			248.50	152.32	67.30	90.08	90.08
58.0	11-Dec-95		101	Convoy Point	25.47833	-80.32083	1995.94	BB	AS	0.94	12	1995	1995-12	0.0193	0.0175	0.0018	0.0051	0.3821	0.0244	0.3577	0.0033	0.0000	0.4750	0.5929	4.2985		23.60	23.50	21.30	21.30	8.20	8.30	2.25			253.90		16.21	105.98	107.20
58.0	11-Dec-95		102	Black Point	25.54583	-80.29467	1995.94	BB	AS	0.94	12	1995	1995-12	0.0060	0.0055	0.0005	0.0034	0.3861	0.0094	0.3767	0.0044	0.0000	0.3314	0.2237	4.8195		25.00	24.90	20.70	20.80	8.60	8.60	0.40			193.56		4.72	111.23	111.31
58.0	11-Dec-95		103	Near Black Ledge	25.57333	-80.28667	1995.94	BB	IS	0.94	12	1995	1995-12	0.0058	0.0047	0.0011	0.0061	0.2941	0.0119	0.2822	0.0037	0.0000	0.1639	0.5787	3.4305		27.40	27.40	21.90	21.90	7.70	7.80	1.80			175.04		7.08	102.88	104.21
58.0	11-Dec-95		104	BNP Marker C	25.60167	-80.22083	1995.94	BB	MAIN	0.94	12	1995	1995-12	0.0082	0.0064	0.0018	0.0107	0.2340	0.0189	0.2151	0.0047	0.0004	0.0460	0.3113	2.6088		30.60	30.60	22.20	22.20	6.90	6.90	4.50			111.44	108.00	9.00	94.52	94.52
58.0	11-Dec-95		105	Biscayne Channel	25.65417	-80.18667	1995.94	BB	MAIN	0.94	12	1995	1995-12	0.0044	0.0032	0.0013	0.0068	0.1851	0.0112	0.1739	0.0050	0.0002	0.0295	0.3775	2.2230		33.70	35.20	22.80	23.60	6.80	6.70	3.10			82.65	160.50	5.02	95.79	96.23
58.0	11-Dec-95		106	White Marker	25.63417	-80.13000	1995.94	BB	OCHAN	0.94	12	1995	1995-12	0.0055	0.0044	0.0011	0.0071	0.1544	0.0126	0.1418	0.0064	0.0006	0.0203	0.7148	1.8443		36.10	36.00	24.30	24.30	6.60	6.50	3.85			53.80	45.00	4.39	96.11	94.59
58.0	11-Dec-95		107	Fowey Rocks	25.59000	-80.10000	1995.94	BB	MAIN	0.94	12	1995	1995-12	0.0017	0.0014	0.0004	0.0028	0.1343	0.0046	0.1297	0.0038	0.0001	0.0110	0.2829	1.6255		36.20	36.20	25.60	25.60	6.70	6.70	0.60			78.30	130.00	2.65	98.99	98.99
58.0	11-Dec-95		108	Marker G-1B	25.56917	-80.19250	1995.94	BB	OCHAN	0.94	12	1995	1995-12	0.0030	0.0023	0.0007	0.0034	0.2055	0.0064	0.1990	0.0043	0.0002	0.0442	0.2580	2.5453		31.80	31.70	21.40	21.50	7.10	7.20	5.05			106.74	92.00	3.35	96.99	98.43
58.0	11-Dec-95		109	Midbay North	25.56417	-80.23500	1995.94	BB	MAIN	0.94	12	1995	1995-12	0.0020	0.0013	0.0007	0.0034	0.2100	0.0053	0.2046	0.0036	0.0005	0.1049	0.2604	2.5503		31.80	31.80	22.00	22.10	7.70	7.50	1.30			130.41	25.33	3.30	106.04	103.42
58.0	11-Dec-95		110	Fender Point	25.50500	-80.28750	1995.94	BB	IS	0.94	12	1995	1995-12	0.0201	0.0186	0.0015	0.0061	0.2813	0.0262	0.2551	0.0040	0.0007	0.1602	0.4959	3.2775		26.60	26.40	21.50	21.60	8.30	8.40	1.20			154.54	83.11	14.38	109.72	111.04
58.0	11-Dec-95		111	Featherbed Bank	25.51583	-80.24000	1995.94	BB	MAIN	0.94	12	1995	1995-12	0.0056	0.0043	0.0013	0.0076	0.1931	0.0132	0.1799	0.0044	0.0005	0.0387	0.4048	2.3570		33.80	33.80	22.20	22.20	6.80	6.80	11.50			96.80	53.86	6.61	95.13	95.13
58.0	11-Dec-95		112	Sands Cut	25.48833	-80.18833	1995.94	BB	MAIN	0.94	12	1995	1995-12	0.0007	0.0004	0.0003	0.0032	0.1727	0.0039	0.1688	0.0043	0.0012	0.0423	0.1598	2.1265		34.60	34.60	21.00	21.10	7.20	7.20	2.40			89.71	6.88	2.00	99.65	99.79
58.0	12-Dec-95		113	Elliott Key	25.44167	-80.22333	1995.94	BB	MAIN	0.94	12	1995	1995-12	0.0059	0.0053	0.0006	0.0079	0.1855	0.0138	0.1717	0.0042	0.0004	0.0706	0.1858	2.4685		33.60	33.60	20.70	20.70	7.00	7.00	2.30			98.14	79.00	7.31	95.84	95.84
58.0	12-Dec-95		114	Caesar Creek	25.38500	-80.19167	1995.94	BB	OCHAN	0.94	12	1995	1995-12	0.0013	0.0008	0.0004	0.0026	0.1480	0.0038	0.1442	0.0060	0.0004	0.0539	0.3953	2.3130		34.60	34.60	21.70	21.70	6.60	6.60	12.00			54.92	21.80	1.42	92.21	92.21
58.0	12-Dec-95		115	Adams Key	25.40417	-80.24083	1995.94	BB	MAIN	0.94	12	1995	1995-12	0.0104	0.0094	0.0009	0.0106	0.1940	0.0210	0.1730	0.0034	0.0005	0.0687	0.2509	2.5763		32.50	32.30	20.60	20.60	6.80	6.80	2.00			125.98	85.57	13.61	92.30	92.18
58.0	12-Dec-95		116	Rubicon Keys	25.40000	-80.25500	1995.94	BB	MAIN	0.94	12	1995	1995-12	0.0156	0.0147	0.0009	0.0098	0.2290	0.0254	0.2035	0.0041	0.0005	0.0966	0.3882	2.8270		30.40	30.00	20.70	20.70	6.90	6.90	5.85			123.43	121.00	13.70	92.49	92.25
58.0	12-Dec-95		117	Totten Key	25.38500	-80.26500	1995.94	BB	MAIN	0.94	12	1995	1995-12	0.0197	0.0187	0.0011	0.0076	0.2858	0.0273	0.2584	0.0050	0.0010	0.1226	0.4521	3.2058		28.20	28.20	20.30	20.40	7.00	7.00	1.90			127.57	60.08	12.20	91.94	92.08
58.0	12-Dec-95		118	Broad Creek	25.34833	-80.25500	1995.94	BB	MAIN	0.94	12	1995	1995-12	0.0100	0.0091	0.0009	0.0048	0.2350	0.0147	0.2203	0.0047	0.0013	0.1114	0.2994	3.0115		30.20	30.10	20.20	20.20	6.50	6.60	3.20			111.92	24.76	7.02	86.39	87.66
58.0	12-Dec-95		119	Pumpkin Key	25.31833	-80.30333	1995.94	BB	SCARD	0.94	12	1995	1995-12	0.0089	0.0077	0.0011	0.0101	0.2932	0.0189	0.2742	0.0059	0.0014	0.0650	0.4426	3.8953		27.70	28.60	21.60	21.80	7.10	7.10	1.80			110.21	30.06	7.12	94.66	95.48
58.0	12-Dec-95		120	Card Sound South	25.31417	-80.34333	1995.94	BB	SCARD	0.94	12	1995	1995-12	0.0078	0.0063	0.0015	0.0084	0.2537	0.0162	0.2375	0.0050	0.0012	0.1096	0.5101	3.5958		28.10	28.10	20.60	20.70	6.90	6.90	3.35			113.26	30.80	7.22	90.96	91.09
58.0	12-Dec-95		121	Card Sound North	25.35500	-80.29167	1995.94	BB	SCARD	0.94	12	1995	1995-12	0.0096	0.0086	0.0009	0.0071	0.2636	0.0167	0.2468	0.0057	0.0006	0.1151	0.2237	3.6643		27.50	27.50	20.60	20.60	7.30	7.30	0.95			101.76	59.75	6.46	95.85	95.85
58.0	12-Dec-95		122	West Arsenicker	25.42017	-80.31083	1995.94	BB	IS	0.94	12	1995	1995-12	0.0085	0.0070	0.0015	0.0051	0.3049	0.0136	0.2914	0.0062	0.0012	0.4048	0.4178	4.3343		23.60	23.60	20.10	20.20	7.30	7.30	1.30			108.91	24.25	4.85	92.72	92.86
58.0	12-Dec-95		123	Pelican Bank	25.44500	-80.28333	1995.94	BB	MAIN	0.94	12	1995	1995-12	0.0173	0.0160	0.0013	0.0062	0.2284	0.0235	0.2050	0.0053	0.0005	0.1393	0.3196	3.0438		28.90	28.90	20.70	20.70	7.20	7.30	3.20			94.59	95.86	9.72	95.56	96.89
58.0	11-Dec-95		124	Midbay South	25.47250	-80.23333	1995.94	BB	MAIN	0.94	12	1995	1995-12	0.0032	0.0026	0.0006	0.0079	0.1917	0.0111	0.1805	0.0028	0.0005	0.0589	0.1823	2.4195		33.00	33.00	22.20	22.20	7.00	6.90	1.50			152.12	45.43	8.83	97.41	96.02
58.0	11-Dec-95		125	Turkey Point	25.47000	-80.28333	1995.94	BB	TP	0.94	12	1995	1995-12	0.0134	0.0123	0.0011	0.0058	0.2263	0.0192	0.2071	0.0032	0.0010	0.1086	0.1775	2.8783		28.30	28.30	21.60	21.60	7.10	7.20	1.10			157.70	42.15	13.37	95.04	96.38
59.0	26-Jan-96		101	Convoy Point	25.47833	-80.32083	1996.07	BB	AS	0.07	01	1996	1996-01	0.0221	0.0195	0.0026	0.0102	0.3514	0.0323	0.3191	0.0046	0.0006	0.5333	0.1841	4.3795		26.20	26.10	21.90	22.00	6.90	6.70	1.10			170.19	115.38	15.64	91.46	88.87
59.0	25-Jan-96		102	Black Point	25.54583	-80.29467	1996.06	BB	AS	0.06	01	1996	1996-01	0.0023	0.0013	0.0011	0.0037	0.3238	0.0060	0.3178	0.0048	0.0005	0.4912	0.0978	5.8515		25.00	25.00	22.70	22.70	8.30	8.40	0.55			149.24	24.57	2.77	110.31	111.64
59.0	25-Jan-96		103	Near Black Ledge	25.57333	-80.28667	1996.06	BB	IS	0.06	01	1996	1996-01	0.0025	0.0015	0.0009	0.0043	0.2231	0.0067	0.2163	0.0050	0.0006	0.0762	0.0605	4.6013		31.60	31.50	22.10	22.20	7.30	7.40	1.55			99.58	24.00	3.00	100.53	101.97
59.0	25-Jan-96		104	BNP Marker C	25.60167	-80.22083	1996.06	BB	MAIN	0.06	01	1996	1996-01	0.0018	0.0006	0.0012	0.0069	0.1780	0.0087	0.1693	0.0057	0.0006	0.0858	0.1923	4.1900		33.90	33.80	21.50	21.50	7.10	7.00	3.95			69.68	31.00	3.40	98.48	97.03
59.0	25-Jan-96		105	Biscayne Channel	25.65417	-80.18667	1996.06	BB	MAIN	0.06	01	1996	1996-01	0.0030	0.0020	0.0011	0.0064	0.1517	0.0095	0.1423	0.0064	0.0005	0.0702	0.1896	4.1045		33.80	34.00	21.30	21.40	6.90	6.90	4.15			52.86	45.00	3.29	95.39	95.64
59.0	25-Jan-96		106	White Marker	25.63417	-80.13000	1996.06	BB	OCHAN	0.06	01	1996	1996-01	0.0008	0.0000	0.0008	0.0049	0.1227	0.0057	0.1170	0.0055	0.0003	0.0578	0.2466	4.0313		34.80	35.10	21.90	22.10	6.90	7.00	1.05			49.38	41.00	2.31	96.78	98.64
59.0	25-Jan-96		107	Fowey Rocks	25.59000	-80.10000	1996.06	BB	MAIN	0.06	01	1996	1996-01	0.0009	0.0000	0.0009	0.0063	0.0972	0.0072	0.0900	0.0052	0.0005	0.0368	0.1325	3.6555		36.10	36.00	24.00	24.10	6.70	6.60	1.25			41.44	29.29	3.06	97.24	95.83
59.0	25-Jan-96		108	Marker G-1B	25.56917	-80.19250	1996.06	BB	OCHAN	0.06	01	1996	1996-01	0.0004	0.0000	0.0004	0.0028	0.1486	0.0032	0.1455	0.0055	0.0004	0.0661	0.1345	3.9438		34.80	34.80	22.30	22.30	7.00	7.00	2.55			59.80	18.00	1.27	98.69	98.69
59.0	25-Jan-96		109	Midbay North	25.56417	-80.23500	1996.06	BB	MAIN	0.06	01	1996	1996-01	0.0008	0.0002	0.0006	0.0035	0.1473	0.0043	0.1430	0.0053	0.0024	0.0958	0.1366	4.0423		34.30	34.30	22.20	22.20	7.20	7.30	1.25			61.90	3.97	1.81	101.05	102.46
59.0	26-Jan-96		110	Fender Point	25.50500	-80.28750	1996.07	BB	IS	0.07	01	1996	1996-01	0.0396	0.0365	0.0031	0.0066	0.3344	0.0462	0.2882	0.0054	0.0011	0.5474	0.2052	4.3148		26.10	26.10	22.10	22.10	6.60	6.70	0.55			136.48	94.21	18.84	87.66	88.99
59.0	25-Jan-96		111	Featherbed Bank	25.51583	-80.24000	1996.06	BB	MAIN	0.06	01	1996	1996-01	0.0023	0.0016	0.0007	0.0054	0.1552	0.0077	0.1475	0.0043	0.0004	0.0805	0.1644	3.7580		34.30	34.30	21.60	21.60	7.00	7.00	1.20			79.19	44.20	3.95	97.48	97.48

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
59.0	26-Jan-96		112	Sands Cut	25.48833	-80.18833	1996.07	BB	MAIN	0.07	01	1996	1996-01	0.0005	0.0000	0.0005	0.0039	0.1382	0.0043	0.1338	0.0052	0.0002	0.0536	0.1515	3.1630		35.10	35.10	21.60	21.60	6.70	6.80	0.75			58.93	41.33	1.85	93.79	95.19
59.0	26-Jan-96		113	Elliott Key	25.44167	-80.22333	1996.07	BB	MAIN	0.07	01	1996	1996-01	0.0027	0.0019	0.0007	0.0076	0.1697	0.0103	0.1594	0.0050	0.0007	0.0388	0.1040	3.1318		34.50	34.50	21.40	21.40	7.00	7.00	1.30			75.77	32.67	4.59	97.35	97.35
59.0	26-Jan-96		114	Caesar Creek	25.38500	-80.19167	1996.07	BB	OCHAN	0.07	01	1996	1996-01	0.0007	0.0000	0.0007	0.0039	0.1469	0.0046	0.1423	0.0085	0.0007	0.0666	0.1304	2.8488		35.30	35.30	21.70	21.70	7.10	6.80	25.80			38.16	14.56	1.19	99.66	95.45
59.0	26-Jan-96		115	Adams Key	25.40417	-80.24083	1996.07	BB	MAIN	0.07	01	1996	1996-01	0.0041	0.0031	0.0010	0.0081	0.1841	0.0122	0.1719	0.0053	0.0006	0.3783	0.1773	3.2225		34.10	34.10	21.90	21.90	7.30	7.30	1.70			77.36	43.50	5.12	101.92	101.92
59.0	26-Jan-96		116	Rubicon Keys	25.40000	-80.25500	1996.07	BB	MAIN	0.07	01	1996	1996-01	0.0040	0.0030	0.0010	0.0060	0.1799	0.0099	0.1700	0.0051	0.0002	0.0499	0.1155	3.1423		34.00	34.00	21.90	21.90	6.80	6.80	2.30			77.89	94.67	4.30	94.88	94.88
59.0	26-Jan-96		117	Totten Key	25.38500	-80.26500	1996.07	BB	MAIN	0.07	01	1996	1996-01	0.0032	0.0025	0.0006	0.0034	0.2360	0.0066	0.2294	0.0045	0.0002	0.0590	0.1332	3.5158		32.20	32.20	21.90	21.90	6.90	6.90	1.65			116.24	62.67	3.24	95.14	95.14
59.0	26-Jan-96		118	Broad Creek	25.34833	-80.25500	1996.07	BB	MAIN	0.07	01	1996	1996-01	0.0015	0.0009	0.0006	0.0031	0.2267	0.0046	0.2221	0.0064	0.0000	0.0562	0.0876	3.0223		34.50	34.50	22.00	22.10	7.00	7.00	5.40			78.98		1.59	98.12	98.25
59.0	26-Jan-96		119	Pumpkin Key	25.31833	-80.30333	1996.07	BB	SCARD	0.07	01	1996	1996-01	0.0103	0.0090	0.0013	0.0140	0.2720	0.0243	0.2476	0.0052	0.0001	0.0480	0.1318	3.8035		29.50	30.50	22.10	21.90	7.00	7.50	1.10			115.97	695.00	10.37	95.07	102.27
59.0	26-Jan-96		120	Card Sound South	25.31417	-80.34333	1996.07	BB	SCARD	0.07	01	1996	1996-01	0.0076	0.0063	0.0014	0.0078	0.2638	0.0155	0.2483	0.0047	0.0005	0.0798	0.1631	3.7230		30.20	30.10	22.30	22.40	7.10	7.10	2.45			123.56	73.67	7.25	97.13	97.19
59.0	26-Jan-96		121	Card Sound North	25.35500	-80.29167	1996.07	BB	SCARD	0.07	01	1996	1996-01	0.0017	0.0009	0.0007	0.0045	0.1794	0.0062	0.1732	0.0047	0.0000	0.0721	0.1658	3.2408		32.60	32.60	22.20	22.20	7.20	7.20	0.95			84.03		2.90	99.93	99.93
59.0	26-Jan-96		122	West Arsenicker	25.42017	-80.31083	1996.07	BB	IS	0.07	01	1996	1996-01	0.0043	0.0034	0.0009	0.0051	0.2125	0.0095	0.2030	0.0053	0.0001	0.1765	0.1427	3.3435		31.20	31.20	22.50	22.50	7.20	7.20	1.45			89.27	270.00	3.97	99.40	99.40
59.0	26-Jan-96		123	Pelican Bank	25.44500	-80.28333	1996.07	BB	MAIN	0.07	01	1996	1996-01	0.0295	0.0275	0.0020	0.0105	0.2325	0.0400	0.1926	0.0050	0.0005	0.1311	0.1597	3.3453		29.40	29.40	22.30	22.30	7.20	7.20	2.65			103.81	190.33	17.84	97.98	97.98
59.0	26-Jan-96		124	Midbay South	25.47250	-80.23333	1996.07	BB	MAIN	0.07	01	1996	1996-01	0.0024	0.0015	0.0009	0.0086	0.1655	0.0111	0.1545	0.0051	0.0000	0.0617	0.1454	3.0175		34.00	34.00	21.50	21.50	7.00	6.90	1.45			71.66		4.79	97.16	95.77
59.0	26-Jan-96		125	Turkey Point	25.47000	-80.28333	1996.07	BB	TP	0.07	01	1996	1996-01	0.0124	0.0106	0.0018	0.0077	0.2107	0.0201	0.1906	0.0040	0.0002	0.2035	0.1067	3.1383		30.10	30.10	21.90	21.90	6.80	6.90	2.50			118.02	287.00	11.25	92.48	93.84
60.0	21-Feb-96		101	Convoy Point	25.47833	-80.32083	1996.14	BB	AS	0.14	02	1996	1996-02	0.0052	0.0043	0.0009	0.0073	0.2683	0.0125	0.2558	0.0050	0.0009	0.2641	0.3057	4.5060		29.40	29.40	21.30	21.10	8.50	8.80	0.65			119.79	29.75	5.58	114.14	117.84
60.0	21-Feb-96		102	Black Point	25.54583	-80.29467	1996.14	BB	AS	0.14	02	1996	1996-02	0.0028	0.0020	0.0008	0.0046	0.3181	0.0074	0.3107	0.0067	0.0007	0.3982	0.2256	4.7635		26.60	27.50	20.80	20.30	9.00	9.80	0.40			105.67	23.44	2.45	117.81	128.12
60.0	21-Feb-96		103	Near Black Ledge	25.57333	-80.28667	1996.14	BB	IS	0.14	02	1996	1996-02	0.0037	0.0026	0.0012	0.0083	0.2759	0.0120	0.2639	0.0051	0.0009	0.1887	0.1576	3.6148		30.30	30.60	20.20	19.80	8.20	8.40	0.50			119.42	31.18	5.20	109.06	111.29
60.0	21-Feb-96		104	BNP Marker C	25.60167	-80.22083	1996.14	BB	MAIN	0.14	02	1996	1996-02	0.0021	0.0009	0.0012	0.0086	0.1557	0.0107	0.1449	0.0063	0.0005	0.1256	0.2235	2.9888		35.10	35.10	18.60	18.60	7.20	7.40	1.90			54.91	51.17	3.79	96.53	99.21
60.0	21-Feb-96		105	Biscayne Channel	25.65417	-80.18667	1996.14	BB	MAIN	0.14	02	1996	1996-02	0.0019	0.0009	0.0009	0.0077	0.1355	0.0096	0.1259	0.0071	0.0013	0.0945	0.3533	2.8900		35.50	35.50	20.20	20.10	7.20	7.30	1.50			42.54	16.18	3.02	99.13	100.36
60.0	21-Feb-96		106	White Marker	25.63417	-80.13000	1996.14	BB	OCHAN	0.14	02	1996	1996-02	0.0016	0.0010	0.0007	0.0050	0.1149	0.0066	0.1083	0.0065	0.0002	0.1259	0.5986	2.4283		35.90	35.80	21.20	20.30	7.20	7.20	0.65			39.08	94.50	2.25	100.79	99.47
60.0	21-Feb-96		107	Fowey Rocks	25.59000	-80.10000	1996.14	BB	MAIN	0.14	02	1996	1996-02	0.0033	0.0027	0.0006	0.0060	0.1094	0.0093	0.1001	0.0067	0.0007	0.0876	0.4899	2.3035		36.10	36.20	22.40	22.00	6.80	7.00	0.45			35.94	29.44	3.05	96.82	99.22
60.0	21-Feb-96		108	Marker G-1B	25.56917	-80.19250	1996.14	BB	OCHAN	0.14	02	1996	1996-02	0.0012	0.0006	0.0007	0.0035	0.1237	0.0047	0.1190	0.0064	0.0000	0.1195	0.3417	2.8818		35.60	36.00	21.10	20.90	6.90	7.20	1.35			42.59		1.61	96.27	100.44
60.0	21-Feb-96		109	Midbay North	25.56417	-80.23500	1996.14	BB	MAIN	0.14	02	1996	1996-02	0.0019	0.0012	0.0008	0.0043	0.1567	0.0062	0.1505	0.0060	0.0002	0.1009	0.2392	3.0925		35.60	35.60	19.10	18.60	7.40	7.70	1.60			57.39	88.50	2.27	100.31	103.58
60.0	21-Feb-96		110	Fender Point	25.50500	-80.28750	1996.14	BB	IS	0.14	02	1996	1996-02	0.0108	0.0096	0.0012	0.0075	0.2513	0.0182	0.2330	0.0057	0.0009	0.2402	0.2589	4.0345		30.30	30.40	21.20	20.80	8.60	8.90	1.10			98.35	47.36	7.14	116.01	119.47
60.0	21-Feb-96		111	Featherbed Bank	25.51583	-80.24000	1996.14	BB	MAIN	0.14	02	1996	1996-02	0.0015	0.0006	0.0009	0.0047	0.1516	0.0061	0.1455	0.0062	0.0002	0.1439	0.2453	3.0143		36.00	36.00	19.30	19.30	7.70	7.80	1.75			54.14	58.33	2.19	104.97	106.34
60.0	21-Feb-96		112	Sands Cut	25.48833	-80.18833	1996.14	BB	MAIN	0.14	02	1996	1996-02	0.0016	0.0008	0.0008	0.0054	0.1378	0.0070	0.1308	0.0072	0.0003	0.1338	0.2663	2.9428		36.50	36.50	20.50	20.50	7.40	7.40	2.30			42.35	50.25	2.16	103.00	103.00
60.0	22-Feb-96		113	Elliott Key	25.44167	-80.22333	1996.14	BB	MAIN	0.14	02	1996	1996-02	0.0075	0.0068	0.0007	0.0109	0.2156	0.0183	0.1972	0.0064	0.0001	0.1864	0.3798	4.0545		35.10	35.50	21.50	21.40	7.00	6.80	0.80			74.21	524.00	6.31	97.86	95.19
60.0	22-Feb-96		114	Caesar Creek	25.38500	-80.19167	1996.14	BB	OCHAN	0.14	02	1996	1996-02	0.0059	0.0051	0.0008	0.0058	0.1517	0.0118	0.1400	0.0073	0.0001	0.0716	0.3268	3.3580		35.50	36.20	22.50	22.20	6.80	7.40	1.15			46.12	336.00	3.57	96.56	105.16
60.0	22-Feb-96		115	Adams Key	25.40417	-80.24083	1996.14	BB	MAIN	0.14	02	1996	1996-02	0.0097	0.0086	0.0011	0.0067	0.1856	0.0163	0.1692	0.0065	0.0002	0.0701	0.3023	3.5640		34.60	34.60	21.80	21.60	7.00	7.10	2.35			63.13	233.50	5.56	97.93	99.07
60.0	22-Feb-96		116	Rubicon Keys	25.40000	-80.25500	1996.14	BB	MAIN	0.14	02	1996	1996-02	0.0071	0.0062	0.0009	0.0071	0.1915	0.0142	0.1773	0.0061	0.0003	0.0685	0.3119	3.5730		34.50	34.50	22.40	22.30	6.90	7.10	0.85			69.24	101.25	5.13	97.22	99.91
60.0	22-Feb-96		117	Totten Key	25.38500	-80.26500	1996.14	BB	MAIN	0.14	02	1996	1996-02	0.0062	0.0052	0.0009	0.0054	0.2598	0.0115	0.2483	0.0063	0.0004	0.0977	0.2949	4.0655		31.90	32.00	22.00	21.90	7.00	7.20	0.75			91.66	65.80	4.06	96.46	99.15
60.0	22-Feb-96		118	Broad Creek	25.34833	-80.25500	1996.14	BB	MAIN	0.14	02	1996	1996-02	0.0054	0.0045	0.0009	0.0046	0.2683	0.0099	0.2584	0.0066	0.0005	0.1075	0.3030	3.7598		33.30	33.40	22.60	22.50	5.70	6.00	2.15			90.19	47.33	3.34	79.88	84.03
60.0	22-Feb-96		119	Pumpkin Key	25.31833	-80.30333	1996.14	BB	SCARD	0.14	02	1996	1996-02	0.0136	0.0120	0.0016	0.0133	0.3386	0.0269	0.3117	0.0064	0.0005	0.0962	0.3153	4.7268		28.90	32.80	21.90	20.70	7.50	7.60	0.95			117.98	128.00	9.37	101.20	103.51
60.0	22-Feb-96		120	Card Sound South	25.31417	-80.34333	1996.14	BB	SCARD	0.14	02	1996	1996-02	0.0082	0.0067	0.0015	0.0097	0.3606	0.0179	0.3426	0.0058	0.0009	0.1625	0.3839	4.8190		29.20	31.40	23.40	21.30	7.10	7.90	0.50			137.36	46.55	6.83	97.84	107.49
60.0	22-Feb-96		121	Card Sound North	25.35500	-80.29167	1996.14	BB	SCARD	0.14	02	1996	1996-02	0.0081	0.0071	0.0010	0.0070	0.2956	0.0151	0.2805	0.0058	0.0003	0.0726	0.3696	3.9853		31.10	33.00	22.10	22.20	7.30	6.90	0.55			112.63	108.00	5.76	100.20	96.02
60.0	22-Feb-96		122	West Arsenicker	25.42017	-80.31083	1996.14	BB	IS	0.14	02	1996	1996-02	0.0053	0.0044	0.0009	0.0075	0.3105	0.0128	0.2976	0.0054	0.0006	0.2806	0.3893	3.9578		30.90	30.90	23.50	23.50	7.70	7.80	0.60			126.72	45.88	5.24	107.41	108.81
60.0	22-Feb-96		123	Pelican Bank	25.44500	-80.28333	1996.14	BB	MAIN	0.14	02	1996	1996-02	0.0119	0.0107	0.0012	0.0108	0.2503	0.0227	0.2276	0.0057	0.0005	0.1304	0.3431	3.2280		32.10	32.00	21.90	21.90	6.80	6.80	0.80			97.97	92.57	8.88	93.70	93.64
60.0	21-Feb-96		124	Midbay South	25.47250	-80.23333	1996.14	BB	MAIN	0.14	02	1996	1996-02	0.0016	0.0012	0.0004	0.0058	0.2093	0.0074	0.2018	0.0060	0.0003	0.1641	0.3417	3.1055		35.70	35.70	18.90	18.90	7.30	7.40	1.05			77.65	53.00	2.75	98.72	100.07
60.0	21-Feb-96		125	Turkey Point	25.47000	-80.28333	1996.14	BB	TP	0.14	02	1996	1996-02	0.0077	0.0068	0.0009	0.0068	0.3056	0.0145	0.2911	0.0049	0.0003	0.1615	0.2976	4.2148		32.50	33.00	19.20	19.20	7.40	7.50	0.50			138.58	103.50	6.57	98.40	100.06
61.0	28-Mar-96		101	Convoy Point	25.47833	-80.32083	1996.24	BB	AS	0.24	03	1996	1996-03	0.0015	0.0008	0.0007	0.0045	0.3458	0.0060	0.3398	0.0024	0.0013	0.2568	0.1224	4.0048		32.80	32.80	26.20	26.20	7.00	7.00	0.45			318.74	10.06	5.52	101.81	101.81
61.0	28-Mar-96		102	Black Point	25.54583	-80.29467	1996.24	BB	AS	0.24	03	1996	1996-03	0.0014	0.0008	0.0006	0.0046	0.4675	0.0060	0.4615	0.0037	0.0012	0.4510	0.0947	5.2418		31.60	31.60	25.90	26.00	6.70	6.80	0.05			278.30	10.75	3.58	96.41	97.95
61.0	28-Mar-96		103	Near Black Ledge	25.57333	-80.28667	1996.24	BB	IS	0.24	03	1996	1996-03	0.0017	0.0010	0.0007	0.0049	0.2158	0.0065	0.2093	0.0033	0.0006	0.2059	0.1027	2.7593		35.20	35.20	25.40	25.40	6.90	7.00	0.20			143.39	23.38	4.35	101.09	102.55
61.0	28-Mar-96		104	BNP Marker C	25.60167	-80.22083	1996.24	BB	MAIN	0.24	03	1996	1996-03	0.0014	0.0008	0.0006	0.0041	0.1501	0.0056	0.1445	0.0027	0.0004	0.1214	0.1720	2.0078		36.60	36.60	23.60	23.60	6.60	6.60	0.55			122.52	31.80	4.54	95.66	95.66
61.0	28-Mar-96		105	Biscayne Channel	25.65417	-80.18667	1996.24	BB	MAIN	0.24	03	1996	1996-03	0.0029	0.0022	0.0007	0.0050	0.1710	0.0079	0.1631	0.0033	0.0000	0.0663	0.2586	2.0268		36.30	36.20	24.00	23.90	6.70	6.60	0.70			116.35		5.38	97.37	95.74
61.0	28-Mar-96		106	White Marker	25.63417	-80.13000	1996.24	BB	OCHAN	0.24	03	1996	1996-03	0.0027	0.0020	0.0006	0.0048	0.1250	0.0075	0.1175	0.0033	0.0000	0.0547	0.1951	1.8265		36.40	36.40	24.30	24.20	6.80	6.80	0.45			83.05		4.98	99.22	99.11
61.0	28-Mar-96		107	Fowey Rocks	25.59000	-80.10000	1996.24	BB	MAIN	0.24	03	1996	1996-03	0.0002	0.0000	0.0002	0.0019	0.1157	0.0021	0.1136	0.0033	0.0000	0.0381	0.2470	1.5548		36.10	36.10	23.30	23.30	6.80	6.80	0.30			78.74		1.45	97.89	97.89
61.0	28-Mar-96		108	Marker G-1B	25.56917	-80.19250	1996.24	BB	OCHAN	0.24	03	1996	1996-03	0.0025	0.0018	0.0007	0.0054	0.1576	0.0079	0.1497	0.0026	0.0000	0.0654	0.1362	1.9318		36.50	36.60	25.20	25.20	6.40	6.40	0.40			136.44		6.82	94.35	94.41
61.0	28-Mar-96		109	Midbay North	25.56417	-80.23500	1996.24	BB	MAIN	0.24	03	1996	1996-03	0.0009	0.0002	0.0007	0.0048	0.1400	0.0057	0.1343	0.0029	0.0001	0.0848	0.1454	2.2403		36.50	36.50	24.10	24.10	6.70	6.70	0.55			108.10	163.00	4.41	97.60	97.60
61.0	28-Mar-96		110	Fender Point	25.50500	-80.28750	1996.24	BB	IS	0.24	03	1996	1996-03	0.0032	0.0026	0.0006	0.0070	0.2653	0.0102	0.2550	0.0035	0.0004	0.1931	0.1327	4.2325		33.60	33.60	25.60	25.90	6.50	6.50	0.60			168.42	58.40	6.49	94.45	94.74
61.0	28-Mar-96		111	Featherbed Bank	25.51583	-80.24000	1996.24	BB	MAIN	0.24	03	1996	1996-03	0.0018	0.0012	0.0006	0.0057	0.1696	0.0075	0.1621	0.0020	0.0002	0.0847	0.1200	2.7760		36.60	36.60	24.60	24.60	6.30	6.30	0.45			186.34	71.00	8.19	92.35	92.35
61.0	28-Mar-96		112	Sands Cut	25.48833	-80.18833	1996.24	BB	MAIN	0.24	03	1996	1996-03	0.0012	0.0007	0.0005	0.0055	0.1662	0.0067	0.1595	0.0031	0.0000	0.0692	0.1385	1.9053		36.40	36.30	24.60	24.60	6.00	6.00	0.30			118.69		4.78	87.83	87.78
61.0	28-Mar-96		113	Elliott Key	25.44167	-80.22333	1996.24	BB	MAIN	0.24	03	1996	1996-03	0.0062	0.0056	0.0006	0.0115	0.1502	0.0177	0.1326	0.0032	0.0000	0.0543	0.1293	1.6765		36.80	36.80	23.90	23.90	6.70	6.70	0.65			104.69		12.32	97.57	97.57
61.0	28-Mar-96		114	Caesar Creek	25.38500	-80.19167	1996.24	BB	OCHAN	0.24	03	1996	1996-03	0.0004	0.0000	0.0004	0.0033	0.1445	0.0037	0.1408	0.0028	0.0000	0.0438	0.1674	1.6308		36.20	36.20	23.10	23.10	6.90	6.90	2.65			114.72		2.94	99.16	99.16
61.0	28-Mar-96		115	Adams Key	25.40417	-80.24083	1996.24	BB	MAIN	0.24	03	1996	1996-03	0.0068	0.0059	0.0009	0.0074	0.1938	0.0141	0.1797	0.0019	0.0000	0.0497	0.0854	1.9503		36.40	36.30	25.00	24.90	6.70	6.80	1.35			230.71		16.83	98.51	99.80
61.0	28-Mar-96		116	Rubicon Keys	25.40000	-80.25500	1996.24	BB	MAIN	0.24	03	1996	1996-03	0.0047	0.0039	0.0007	0.0073	0.1724	0.0120	0.1605	0.0029	0.0000	0.0944	0.1524	1.9763		36.40	36.40	24.80	24.80	7.30	7.10	2.95			129.65		9.00	107.10	104.16
61.0	28-Mar-96		117	Totten Key	25.38500	-80.26500	1996.24	BB	MAIN	0.24	03	1996	1996-03	0.0077	0.0069	0.0007	0.0056	0.2489	0.0132	0.2356	0.0044	0.0001	0.0951	0.2193	2.9840		33.50	33.60	24.70	24.80	6.80	6.80	2.60			124.75	378.00	6.63	97.81	97.98
61.0	28-Mar-96		118	Broad Creek	25.34833	-80.25500	1996.24	BB	MAIN	0.24	03	1996	1996-03	0.0094	0.0087	0.0007	0.0061	0.1899	0.0155	0.1744	0.0046	0.0000	0.0482	0.1570	2.3455		35.70	35.80	24.40	24.40	6.90	6.90	1.75			91.96		7.53	100.33	100.40
61.0	28-Mar-96		119	Pumpkin Key	25.31833	-80.30333	1996.24	BB	SCARD	0.24	03	1996	1996-03	0.0048	0.0040	0.0009	0.0089	0.3009	0.0138	0.2871	0.0030	0.0010	0.0885	0.1547	4.5105		31.70	31.70	24.10	24.00	7.10	7.10	0.55			220.42	30.23	10.08	100.26	100.15
61.0	28-Mar-96		120	Card Sound South	25.31417	-80.34333	1996.24	BB	SCARD	0.24	03	1996	1996-03	0.0281	0.0256	0.0025	0.0122	0.4027	0.0403	0.3624	0.0031	0.0012	0.1173	0.2597	6.1208		29.50	29.50	25.10	25.10	7.30	7.40	3.80			287.63	76.80	28.80	102.77	104.18
61.0	28-Mar-96		121	Card Sound North	25.35500	-80.29167	1996.24	BB	SCARD	0.24	03	1996	1996-03	0.0051	0.0043	0.0008	0.0070	0.2990	0.0121	0.2868	0.0034	0.0005	0.1024	0.1708	5.3658		32.30	32.30	24.30	24.30	7.10	7.10	0.60			194.14	57.83	7.89	100.88	100.88
61.0	28-Mar-96		122	West Arsenicker	25.42017	-80.31083	1996.24	BB	IS	0.24	03	1996	1996-03	0.0033	0.0027	0.0006	0.0054	0.2822	0.0086	0.2735	0.0029	0.0008	0.1406	0.1004	5.9705		33.70	33.70	26.10	26.10	7.50	7.40	0.75			212.15	24.70	6.50	109.60	108.14
61.0	28-Mar-96		123	Pelican Bank	25.44500	-80.28333	1996.24	BB	MAIN	0.24	03	1996	1996-03	0.0063	0.0056	0.0007	0.0047	0.2563	0.0110	0.2453	0.0020	0.0005	0.1169	0.1905	6.5223		33.80	33.80	24.30	24.30	6.80	6.80	1.20			281.68	52.50	12.12	97.56	97.56
61.0	28-Mar-96		124	Midbay South	25.47250	-80.23333	1996.24	BB	MAIN	0.24	03	1996	1996-03	0.0023	0.0020	0.0004	0.0050	0.1891	0.0073	0.1818	0.0009	0.0003	0.1081	0.1166	2.0130		36.40	36.40	24.10	24.10	6.40	6.40	0.50			491.20	52.25	19.00	93.17	93.17
61.0	28-Mar-96		125	Turkey Point	25.47000	-80.28333	1996.24	BB	TP	0.24	03	1996	1996-03	0.0055	0.0047	0.0008	0.0052	0.2618	0.0107	0.2511	0.0011	0.0002	0.1773	0.1547	2.6648		34.00	34.10	24.40	24.40	6.40	6.30	0.25			534.30	101.67	21.79	92.04	90.67
62.0	29-Apr-96		101	Convoy Point	25.47833	-80.32083	1996.32	BB	AS	0.32	04	1996	1996-04	0.0010	0.0002	0.0007	0.0061	0.5611	0.0071	0.5541	0.0049	0.0012	0.4240	0.0838	5.2420		38.30	38.30	28.60	28.60			0.40			254.49	12.63	3.21		
62.0	29-Apr-96		102	Black Point	25.54583	-80.29467	1996.32	BB	AS	0.32	04	1996	1996-04	0.0008	0.0000	0.0008	0.0077	0.6245	0.0084	0.6161	0.0068	0.0004	0.4121	0.1131	6.2060		35.20	35.10	28.10	28.10			0.25			202.76	48.20	2.74		
62.0	29-Apr-96		103	Near Black Ledge	25.57333	-80.28667	1996.32	BB	IS	0.32	04	1996	1996-04	0.0049	0.0036	0.0013	0.0093	0.3719	0.0143	0.3576	0.0064	0.0013	0.1780	0.0801	3.0080		38.20	38.20	28.20	28.10	8.40	8.40	1.45			128.02	24.00	4.92	128.74	128.64
62.0	29-Apr-96		104	BNP Marker C	25.60167	-80.22083	1996.32	BB	MAIN	0.32	04	1996	1996-04	0.0024	0.0015	0.0008	0.0062	0.2656	0.0086	0.2570	0.0070	0.0003	0.1693	0.1419	2.2340		37.60	37.60	27.40	27.40	6.40	6.40	4.15			84.31	61.25	2.72	97.06	97.06
62.0	29-Apr-96		105	Biscayne Channel	25.65417	-80.18667	1996.32	BB	MAIN	0.32	04	1996	1996-04	0.0034	0.0023	0.0010	0.0080	0.2759	0.0113	0.2645	0.0071	0.0000	0.1036	0.1273	2.4548		37.70	37.60	27.30	27.30	6.00	6.10	5.85			86.61		3.56	90.97	92.42
62.0	29-Apr-96		106	White Marker	25.63417	-80.13000	1996.32	BB	OCHAN	0.32	04	1996	1996-04	0.0013	0.0000	0.0013	0.0082	0.2552	0.0094	0.2458	0.0076	0.0001	0.0867	0.1438	2.3160		37.40	37.40	27.50	27.50	6.30	6.30	2.90			74.40	269.00	2.74	95.50	95.50
62.0	29-Apr-96		107	Fowey Rocks	25.59000	-80.10000	1996.32	BB	MAIN	0.32	04	1996	1996-04	0.0011	0.0000	0.0011	0.0086	0.1771	0.0097	0.1674	0.0059	0.0000	0.0434	0.1836	1.7363		36.60	36.60	26.70	26.70	6.20	6.10	3.20			66.57		3.64	92.83	91.34
62.0	29-Apr-96		108	Marker G-1B	25.56917	-80.19250	1996.32	BB	OCHAN	0.32	04	1996	1996-04	0.0012	0.0000	0.0012	0.0133	0.2478	0.0145	0.2333	0.0064	0.0004	0.0594	0.0911	1.9855		37.40	37.40	27.90	27.90			0.75			86.34	83.00	5.06		
62.0	29-Apr-96		109	Midbay North	25.56417	-80.23500	1996.32	BB	MAIN	0.32	04	1996	1996-04	0.0006	0.0000	0.0006	0.0036	0.2453	0.0042	0.2411	0.0054	0.0001	0.1289	0.0678	2.0723		37.70	37.70	27.80	27.80			2.20			100.12	120.00	1.71		
62.0	29-Apr-96		110	Fender Point	25.50500	-80.28750	1996.32	BB	IS	0.32	04	1996	1996-04	0.0035	0.0027	0.0007	0.0065	0.3876	0.0099	0.3777	0.0051	0.0002	0.3872	0.1282	5.1433		36.90	36.90	28.40	28.40			1.35			167.81	142.00	4.30		
62.0	29-Apr-96		111	Featherbed Bank	25.51583	-80.24000	1996.32	BB	MAIN	0.32	04	1996	1996-04	0.0028	0.0022	0.0006	0.0083	0.2772	0.0111	0.2661	0.0061	0.0004	0.1379	0.0916	2.2938		37.90	37.90	27.80	27.80	6.30	6.30	2.20			100.25	63.40	4.01	96.05	96.05
62.0	29-Apr-96		112	Sands Cut	25.48833	-80.18833	1996.32	BB	MAIN	0.32	04	1996	1996-04	0.0019	0.0015	0.0004	0.0072	0.2912	0.0091	0.2820	0.0070	0.0005	0.1421	0.0984	2.4343		38.10	38.10	27.60	27.60	6.70	6.70	0.85			92.44	37.29	2.90	102.11	102.11
62.0	30-Apr-96		113	Elliott Key	25.44167	-80.22333	1996.33	BB	MAIN	0.33	04	1996	1996-04	0.0045	0.0035	0.0010	0.0117	0.3187	0.0162	0.3025	0.0037	0.0004	0.2288	0.1081	3.5745		38.30	38.30	26.60	26.10	6.30	6.20	1.10			189.69	92.60	9.65	95.27	93.31
62.0	30-Apr-96		114	Caesar Creek	25.38500	-80.19167	1996.33	BB	OCHAN	0.33	04	1996	1996-04	0.0006	0.0000	0.0006	0.0049	0.2045	0.0055	0.1991	0.0052	0.0004	0.0767	0.1763	2.7473		36.70	36.70	26.80	26.80	6.40	6.20	4.65			87.23	31.22	2.33	95.98	92.98
62.0	30-Apr-96		115	Adams Key	25.40417	-80.24083	1996.33	BB	MAIN	0.33	04	1996	1996-04	0.0009	0.0002	0.0007	0.0054	0.2292	0.0062	0.2230	0.0044	0.0001	0.1147	0.1451	2.7350		36.90	36.80	26.50	26.60	6.20	6.10	3.15			114.91	178.00	3.12	92.84	91.37
62.0	30-Apr-96		116	Rubicon Keys	25.40000	-80.25500	1996.33	BB	MAIN	0.33	04	1996	1996-04	0.0027	0.0017	0.0010	0.0078	0.1945	0.0105	0.1840	0.0047	0.0005	0.1243	0.1342	2.7683		37.10	37.10	26.30	26.30	5.90	5.80	1.90			92.62	50.17	5.02	88.29	86.79
62.0	30-Apr-96		117	Totten Key	25.38500	-80.26500	1996.33	BB	MAIN	0.33	04	1996	1996-04	0.0076	0.0067	0.0009	0.0059	0.1498	0.0135	0.1363	0.0044	0.0019	0.1634	0.1932	2.6333		36.90	36.90	26.10	26.10	6.10	6.10	3.85			75.07	15.44	6.77	90.99	90.99
62.0	30-Apr-96		118	Broad Creek	25.34833	-80.25500	1996.33	BB	MAIN	0.33	04	1996	1996-04	0.0005	0.0000	0.0005	0.0011	0.1610	0.0015	0.1595	0.0035	0.0009	0.1118	0.1635	2.6273		37.00	37.10	27.00	27.00	6.20	6.20	4.15			102.22	4.00	0.98	93.33	93.39
62.0	30-Apr-96		119	Pumpkin Key	25.31833	-80.30333	1996.33	BB	SCARD	0.33	04	1996	1996-04	0.0083	0.0067	0.0016	0.0120	0.2955	0.0203	0.2753	0.0064	0.0014	0.1844	0.1969	4.2823		34.60	34.70	27.00	27.00	6.40	6.30	2.60			101.74	32.17	6.98	94.88	93.46
62.0	30-Apr-96		120	Card Sound South	25.31417	-80.34333	1996.33	BB	SCARD	0.33	04	1996	1996-04	0.0015	0.0008	0.0007	0.0099	0.2579	0.0114	0.2466	0.0048	0.0002	0.1638	0.2692	3.6800		35.50	35.50	27.30	27.30	6.40	6.20	1.05			118.87	162.50	5.24	95.69	92.70
62.0	30-Apr-96		121	Card Sound North	25.35500	-80.29167	1996.33	BB	SCARD	0.33	04	1996	1996-04	0.0027	0.0020	0.0007	0.0050	0.1643	0.0077	0.1566	0.0050	0.0002	0.1232	0.1598	2.4548		37.00	37.00	27.00	27.10	6.40	6.30	2.10			73.33	73.00	3.42	96.34	94.92
62.0	30-Apr-96		122	West Arsenicker	25.42017	-80.31083	1996.33	BB	IS	0.33	04	1996	1996-04	0.0009	0.0004	0.0006	0.0050	0.2198	0.0059	0.2139	0.0052	0.0004	0.3480	0.1300	3.6833		37.20	37.30	26.10	26.10	6.80	6.80	0.70			93.72	33.80	2.52	101.62	101.69
62.0	30-Apr-96		123	Pelican Bank	25.44500	-80.28333	1996.33	BB	MAIN	0.33	04	1996	1996-04	0.0029	0.0022	0.0008	0.0049	0.2517	0.0078	0.2439	0.0033	0.0005	0.2092	0.2289	2.8478		38.50	38.50	26.90	26.90	6.50	6.40	2.95			167.25	32.00	5.21	98.69	97.17
62.0	29-Apr-96		124	Midbay South	25.47250	-80.23333	1996.32	BB	MAIN	0.32	04	1996	1996-04	0.0013	0.0005	0.0008	0.0086	0.2144	0.0100	0.2044	0.0040	0.0002	0.1550	0.0962	2.5335		38.10	38.10	27.30	27.30	6.40	6.50	0.90			117.79	95.00	5.48	97.28	98.80
62.0	29-Apr-96		125	Turkey Point	25.47000	-80.28333	1996.32	BB	TP	0.32	04	1996	1996-04	0.0033	0.0026	0.0007	0.0144	0.2305	0.0176	0.2129	0.0053	0.0003	0.1673	0.1282	2.9313		37.70	37.70	27.20	27.20	6.80	6.80	2.45			95.46	126.00	7.30	103.00	103.00
63.0	14-May-96		101	Convoy Point	25.47833	-80.32083	1996.36	BB	AS	0.36	05	1996	1996-05	0.0018	0.0010	0.0008	0.0093	0.3173	0.0111	0.3062	0.0037	0.0006	0.4922	0.2147	4.4928		38.40	38.40	30.10	30.20	8.20	8.10	0.50			188.89	39.63	6.60	127.65	126.18
63.0	14-May-96		102	Black Point	25.54583	-80.29467	1996.36	BB	AS	0.36	05	1996	1996-05	0.0014	0.0006	0.0008	0.0123	0.4537	0.0137	0.4400	0.0056	0.0006	0.5558	0.2793	5.2425		38.20	38.20	29.70	29.70	7.40	7.40	0.55			180.05	48.88	5.43	114.73	114.73
63.0	14-May-96		103	Near Black Ledge	25.57333	-80.28667	1996.36	BB	IS	0.36	05	1996	1996-05	0.0014	0.0006	0.0008	0.0089	0.5409	0.0103	0.5306	0.0058	0.0005	0.4596	0.2335	6.3800		36.50	36.50	30.10	30.20	7.60	7.40	0.75			206.08	42.14	3.93	116.92	113.92
63.0	14-May-96		104	BNP Marker C	25.60167	-80.22083	1996.36	BB	MAIN	0.36	05	1996	1996-05	0.0011	0.0005	0.0006	0.0068	0.1689	0.0079	0.1610	0.0053	0.0002	0.1356	0.3750	3.2155		37.00	37.10	28.10	28.00	6.10	6.10	1.70			70.97	112.50	3.31	92.71	92.69
63.0	14-May-96		105	Biscayne Channel	25.65417	-80.18667	1996.36	BB	MAIN	0.36	05	1996	1996-05	0.0068	0.0058	0.0009	0.0079	0.1546	0.0146	0.1399	0.0060	0.0005	0.0798	0.3635	1.6903		37.10	37.00	28.30	28.30	5.90	6.10	2.10			56.61	69.67	5.36	89.88	92.86
63.0	14-May-96		106	White Marker	25.63417	-80.13000	1996.36	BB	OCHAN	0.36	05	1996	1996-05	0.0015	0.0007	0.0008	0.0061	0.1393	0.0076	0.1317	0.0071	0.0000	0.0829	0.3361	2.7333		37.10	37.10	28.30	28.30	6.40	6.50	1.70			43.72		2.38	97.49	99.02
63.0	14-May-96		107	Fowey Rocks	25.59000	-80.10000	1996.36	BB	MAIN	0.36	05	1996	1996-05	0.0005	0.0000	0.0005	0.0043	0.1109	0.0048	0.1062	0.0051	0.0002	0.0719	0.2885	1.2935		36.40	36.40	28.30	28.10	7.30	7.50	1.05			48.02	68.00	2.06	110.71	113.56
63.0	14-May-96		108	Marker G-1B	25.56917	-80.19250	1996.36	BB	OCHAN	0.36	05	1996	1996-05	0.0013	0.0006	0.0007	0.0064	0.1475	0.0077	0.1398	0.0053	0.0002	0.0755	0.2422	1.5550		36.70	36.70	29.60	29.60	7.30	7.30	1.20			61.96	110.00	3.24	112.04	112.04
63.0	14-May-96		109	Midbay North	25.56417	-80.23500	1996.36	BB	MAIN	0.36	05	1996	1996-05	0.0031	0.0024	0.0007	0.0055	0.1659	0.0086	0.1573	0.0047	0.0002	0.1106	0.1717	1.7350		37.60	37.60	28.80	28.80	7.00	7.00	0.80			77.71	82.33	4.05	107.40	107.40
63.0	14-May-96		110	Fender Point	25.50500	-80.28750	1996.36	BB	IS	0.36	05	1996	1996-05	0.0037	0.0026	0.0011	0.0129	0.3232	0.0166	0.3066	0.0036	0.0002	0.2847	0.2111	3.5318		38.60	38.60	29.80	29.80	6.70	6.70	0.85			196.45	157.67	10.06	104.21	104.21
63.0	14-May-96		111	Featherbed Bank	25.51583	-80.24000	1996.36	BB	MAIN	0.36	05	1996	1996-05	0.0009	0.0004	0.0005	0.0048	0.1877	0.0057	0.1820	0.0050	0.0000	0.1003	0.1905	1.9040		37.30	37.30	28.60	28.60	6.60	6.70	0.75			82.49		2.49	100.91	102.44
63.0	14-May-96		112	Sands Cut	25.48833	-80.18833	1996.36	BB	MAIN	0.36	05	1996	1996-05	0.0016	0.0009	0.0007	0.0079	0.2195	0.0095	0.2100	0.0066	0.0000	0.1040	0.2523	1.7055		36.90	36.90	28.10	28.10	5.00	4.80	1.35			73.77		3.19	75.94	72.91
63.0	15-May-96		113	Elliott Key	25.44167	-80.22333	1996.37	BB	MAIN	0.37	05	1996	1996-05	0.0044	0.0036	0.0008	0.0110	0.2483	0.0154	0.2329	0.0064	0.0003	0.1379	0.1973	2.9555		38.20	38.10	28.20	28.10	6.90	6.80	1.60			86.50	110.00	5.37	105.75	104.07

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
63.0	15-May-96		114	Caesar Creek	25.38500	-80.19167	1996.37	BB	OCHAN	0.37	05	1996	1996-05	0.0034	0.0024	0.0010	0.0071	0.2185	0.0105	0.2080	0.0048	0.0001	0.0831	0.2679	2.5415		37.30	37.30	27.90	27.90	7.20	7.20	3.70			100.70	300.00	4.84	109.45	109.45
63.0	15-May-96		115	Adams Key	25.40417	-80.24083	1996.37	BB	MAIN	0.37	05	1996	1996-05	0.0040	0.0031	0.0008	0.0060	0.3346	0.0099	0.3247	0.0054	0.0001	0.0987	0.2065	2.7753		38.30	38.30	28.00	28.00	6.90	6.90	1.60			136.57	284.00	4.06	105.65	105.65
63.0	15-May-96		116	Rubicon Keys	25.40000	-80.25500	1996.37	BB	MAIN	0.37	05	1996	1996-05	0.0036	0.0028	0.0009	0.0068	0.2583	0.0104	0.2479	0.0057	0.0004	0.0790	0.2166	2.6188		37.70	37.70	28.30	28.30	7.10	7.10	1.10			99.73	59.40	4.01	108.57	108.57
63.0	15-May-96		117	Totten Key	25.38500	-80.26500	1996.37	BB	MAIN	0.37	05	1996	1996-05	0.0029	0.0025	0.0005	0.0028	0.2125	0.0057	0.2068	0.0060	0.0007	0.1052	0.1937	2.6485		37.70	37.70	28.20	28.20	6.90	6.80	1.15			77.85	18.11	2.09	105.42	103.89
63.0	15-May-96		118	Broad Creek	25.34833	-80.25500	1996.37	BB	MAIN	0.37	05	1996	1996-05	0.0021	0.0015	0.0006	0.0033	0.2116	0.0054	0.2062	0.0054	0.0005	0.1247	0.2024	2.9115		37.50	37.50	27.60	27.60	6.60	6.80	1.65			86.36	21.86	2.19	100.20	103.24
63.0	15-May-96		119	Pumpkin Key	25.31833	-80.30333	1996.37	BB	SCARD	0.37	05	1996	1996-05	0.0016	0.0009	0.0007	0.0071	0.2817	0.0087	0.2730	0.0083	0.0009	0.1412	0.6218	3.7435		36.60	36.50	27.80	27.90	6.30	6.30	1.10			75.22	22.55	2.32	95.27	95.29
63.0	15-May-96		120	Card Sound South	25.31417	-80.34333	1996.37	BB	SCARD	0.37	05	1996	1996-05	0.0029	0.0022	0.0007	0.0030	0.2627	0.0059	0.2568	0.0057	0.0002	0.1859	0.3077	3.5568		37.00	37.00	27.50	27.50	6.10	6.10	2.50			101.42	56.33	2.28	92.24	92.24
63.0	15-May-96		121	Card Sound North	25.35500	-80.29167	1996.37	BB	SCARD	0.37	05	1996	1996-05	0.0022	0.0016	0.0006	0.0055	0.2749	0.0077	0.2672	0.0112	0.0003	0.1352	0.2083	3.6195		37.70	37.70	27.80	27.80	6.90	6.80	0.95			54.17	54.75	1.51	105.07	103.55
63.0	15-May-96		122	West Arsenicker	25.42017	-80.31083	1996.37	BB	IS	0.37	05	1996	1996-05	0.0008	0.0001	0.0007	0.0051	0.2420	0.0059	0.2361	0.0088	0.0000	0.2953	0.1918	3.6830		38.10	38.10	28.30	28.30	7.60	7.80	0.85			61.19		1.49	116.50	119.57
63.0	15-May-96		123	Pelican Bank	25.44500	-80.28333	1996.37	BB	MAIN	0.37	05	1996	1996-05	0.0080	0.0072	0.0008	0.0063	0.1942	0.0144	0.1799	0.0063	0.0003	0.1103	0.2074	2.7345		38.30	38.20	28.00	28.00	6.60	6.60	2.05			68.50	102.50	5.06	101.05	100.99
63.0	14-May-96		124	Midbay South	25.47250	-80.23333	1996.36	BB	MAIN	0.36	05	1996	1996-05	0.0007	0.0004	0.0003	0.0054	0.1987	0.0061	0.1926	0.0040	0.0001	0.1711	0.1877	1.9690		37.60	37.80	28.30	28.10	6.50	6.70	0.70			111.29	174.00	3.41	99.33	102.34
63.0	14-May-96		125	Turkey Point	25.47000	-80.28333	1996.36	BB	TP	0.36	05	1996	1996-05	0.0053	0.0044	0.0008	0.0079	0.2270	0.0131	0.2139	0.0040	0.0002	0.1620	0.3475	1.9763		38.10	38.00	28.00	28.00	5.50	6.00	0.75			127.18	187.50	7.35	84.10	91.69
64.0	24-Jun-96		101	Convoy Point	25.47833	-80.32083	1996.48	BB	AS	0.48	06	1996	1996-06	0.7789	0.7664	0.0125	0.0251	1.2301	0.8041	0.4261	0.0073	0.0007	0.2857	0.6339	3.8705		21.40	26.80	32.00	32.00	6.70	10.30	1.85			373.89	2552.56	244.39	95.05	151.06
64.0	24-Jun-96		102	Black Point	25.54583	-80.29467	1996.48	BB	AS	0.48	06	1996	1996-06	0.1608	0.1485	0.0123	0.0120	0.6030	0.1728	0.4302	0.0072	0.0013	0.6578	0.2631	5.7038		17.00	17.40	31.60	31.50	10.50	10.10	0.30			185.26	290.41	53.09	144.59	139.33
64.0	24-Jun-96		103	Near Black Ledge	25.57333	-80.28667	1996.48	BB	IS	0.48	06	1996	1996-06	0.0565	0.0485	0.0080	0.0095	0.4976	0.0660	0.4316	0.0051	0.0009	0.9115	0.3349	5.2928		18.90	18.80	30.80	30.80	11.30	11.20	0.35			215.39	171.45	28.58	156.58	155.10
64.0	25-Jun-96		104	BNP Marker C	25.60167	-80.22083	1996.48	BB	MAIN	0.48	06	1996	1996-06	0.0363	0.0333	0.0030	0.0160	0.2907	0.0523	0.2383	0.0057	0.0000	0.1813	0.2259	2.6128		32.00	32.00	29.40	29.40	6.00	6.00	0.95			113.76		20.48	89.29	89.29
64.0	25-Jun-96		108	Marker G-1B	25.56917	-80.19250	1996.48	BB	MAIN	0.48	06	1996	1996-06	0.0042	0.0028	0.0013	0.0059	0.2261	0.0101	0.2161	0.0049	0.0005	0.1197	0.2515	2.0778		34.40	34.40	29.40	29.40	5.60	5.60	1.05			102.56	41.14	4.57	84.60	84.60
64.0	25-Jun-96		109	Midbay North	25.56417	-80.23500	1996.48	BB	MAIN	0.48	06	1996	1996-06	0.0278	0.0250	0.0028	0.0121	0.2834	0.0399	0.2435	0.0044	0.0000	0.1829	0.1951	2.2568		32.30	32.30	29.30	29.30	6.20	6.20	0.80			142.07		20.00	92.37	92.37
64.0	24-Jun-96		110	Fender Point	25.50500	-80.28750	1996.48	BB	IS	0.48	06	1996	1996-06	0.6644	0.6459	0.0185	0.0370	0.9810	0.7013	0.2797	0.0045	0.0002	0.1874	0.1976	4.0193		18.40	25.50	31.50	30.60	6.60	8.00	0.50			483.27	6679.33	345.48	91.61	115.33
64.0	25-Jun-96		111	Featherbed Bank	25.51583	-80.24000	1996.48	BB	MAIN	0.48	06	1996	1996-06	0.1398	0.1343	0.0055	0.0219	0.3850	0.1617	0.2233	0.0040	0.0002	0.1920	0.1771	2.8180		30.30	31.30	29.30	29.40	6.30	6.30	0.60			214.03	1540.33	89.90	92.69	93.34
64.0	25-Jun-96		112	Sands Cut	25.48833	-80.18833	1996.48	BB	MAIN	0.48	06	1996	1996-06	0.0105	0.0089	0.0016	0.0149	0.2572	0.0254	0.2318	0.0050	0.0001	0.2002	0.1912	2.5265		33.70	33.70	29.80	29.80	5.70	5.60	0.60			114.81	725.00	11.33	85.99	84.48
64.0	25-Jun-96		113	Elliott Key	25.44167	-80.22333	1996.48	BB	MAIN	0.48	06	1996	1996-06	0.0193	0.0170	0.0022	0.0504	0.2557	0.0697	0.1861	0.0046	0.0007	0.2226	0.1976	2.3518		33.50	33.40	29.90	29.90	5.90	6.00	0.70			123.85	221.22	33.75	88.96	90.41
64.0	25-Jun-96		116	Rubicon Keys	25.40000	-80.25500	1996.48	BB	MAIN	0.48	06	1996	1996-06	0.0169	0.0154	0.0015	0.0138	0.2861	0.0307	0.2554	0.0045	0.0002	0.1636	0.1732	2.8418		33.00	33.10	30.30	30.30	5.80	5.90	1.05			140.95	292.67	15.14	87.42	88.99
64.0	25-Jun-96		121	Card Sound North	25.35500	-80.29167	1996.48	BB	SCARD	0.48	06	1996	1996-06	0.0242	0.0218	0.0024	0.0228	0.4245	0.0469	0.3776	0.0049	0.0007	0.1584	0.2900	4.1273		30.80	30.70	29.70	29.70	6.10	6.20	0.35			192.51	148.89	21.27	90.30	91.72
64.0	25-Jun-96		122	West Arsenicker	25.42017	-80.31083	1996.48	BB	IS	0.48	06	1996	1996-06	0.0109	0.0097	0.0012	0.0115	0.4176	0.0224	0.3952	0.0074	0.0005	0.8161	0.3426	4.1260		31.40	31.40	30.30	30.30	7.30	7.50	0.25			124.30	91.57	6.68	108.94	111.93
64.0	25-Jun-96		123	Pelican Bank	25.44500	-80.28333	1996.48	BB	MAIN	0.48	06	1996	1996-06	0.0997	0.0958	0.0039	0.0309	0.4919	0.1306	0.3613	0.0039	0.0001	0.2152	0.2798	3.4198		30.80	30.80	30.40	30.40	6.00	6.10	0.70			281.11	3732.00	74.64	89.27	90.76
64.0	25-Jun-96		124	Midbay South	25.47250	-80.23333	1996.48	BB	MAIN	0.48	06	1996	1996-06	0.0781	0.0752	0.0028	0.0292	0.3780	0.1072	0.2708	0.0049	0.0003	0.2260	0.2810	2.5313		32.30	32.30	29.60	29.60	6.30	6.30	0.50			171.43	766.00	48.63	94.07	94.07
64.0	24-Jun-96		126	BNP Marker B	25.67167	-80.20500	1996.48	BB	MAIN	0.48	06	1996	1996-06	0.0186	0.0160	0.0026	0.0152	0.3501	0.0338	0.3163	0.0057	0.0000	0.1929	0.2977	2.7025		31.30	32.00	29.80	29.00	6.30	6.70	0.80			137.03		13.23	93.62	99.40
64.0	24-Jun-96		127	Shoal Point	25.63000	-80.25000	1996.48	BB	IS	0.48	06	1996	1996-06	0.0230	0.0197	0.0033	0.0152	0.3842	0.0382	0.3460	0.0054	0.0002	0.1314	0.3170	2.7870		29.40	30.20	30.30	29.50	6.20	7.40	0.20			156.82	545.50	15.59	91.38	108.97
64.0	24-Jun-96		128	Matheson Beach	25.68833	-80.23333	1996.48	BB	IS	0.48	06	1996	1996-06	0.0172	0.0142	0.0030	0.0164	0.3789	0.0335	0.3454	0.0045	0.0000	0.1859	0.3465	2.8665		29.70	30.50	30.30	29.60	6.00	6.80	0.30			186.65		16.52	88.60	100.40
64.0	24-Jun-96		129	Marker G-71	25.73667	-80.18500	1996.48	BB	MAIN	0.48	06	1996	1996-06	0.0220	0.0187	0.0033	0.0455	0.5234	0.0675	0.4559	0.0057	0.0003	0.1696	0.9868	3.0890		29.70	32.80	29.30	28.90	5.80	6.30	0.35			202.08	482.00	26.05	85.01	93.86
64.0	24-Jun-96		130	South Dodge Island	25.76333	-80.17167	1996.48	BB	NBAY	0.48	06	1996	1996-06	0.0376	0.0329	0.0047	0.0542	0.4319	0.0918	0.3401	0.0078	0.0003	0.1428	0.6686	6.2330		30.40	30.10	29.20	29.20	6.20	6.10	2.75			122.19	655.75	25.97	91.20	89.56
64.0	24-Jun-96		131	North Venetian Basin	25.80000	-80.16667	1996.48	BB	NBAY	0.48	06	1996	1996-06	0.0551	0.0501	0.0050	0.0192	0.3585	0.0743	0.2841	0.0100	0.0004	0.1951	1.0985	3.3523		27.80	31.10	29.40	29.10	5.40	6.20	1.85			79.39	424.80	16.47	78.27	91.53
64.0	24-Jun-96		132	North I-195 Basin	25.81667	-80.16667	1996.48	BB	NBAY	0.48	06	1996	1996-06	0.0105	0.0083	0.0022	0.0087	0.3742	0.0192	0.3549	0.0084	0.0009	0.1776	0.8572	4.0993		25.50	26.80	29.60	28.80	6.20	5.70	0.30			98.07	45.75	5.04	88.72	81.71
64.0	24-Jun-96		133	North Normandy Isle	25.86667	-80.15000	1996.48	BB	NBAY	0.48	06	1996	1996-06	0.0935	0.0827	0.0109	0.0454	0.5744	0.1390	0.4355	0.0201	0.0016	0.1761	4.7301	6.8185		19.30	29.60	30.60	29.10	6.30	6.70	1.60			63.37	198.50	15.33	87.39	97.99
64.0	24-Jun-96		134	Oleta River Park	25.90500	-80.13333	1996.48	BB	NBAY	0.48	06	1996	1996-06	0.2344	0.1741	0.0603	0.0414	0.7706	0.2758	0.4948	0.0188	0.0018	0.5805	4.5042	7.4063		22.20	34.40	29.00	28.20	5.90	5.90	1.30			90.98	342.61	32.56	82.31	88.28
64.0	25-Jun-96		135	South Card Sound	25.31667	-80.31667	1996.48	BB	SCARD	0.48	06	1996	1996-06	0.0385	0.0351	0.0034	0.0445	0.5778	0.0830	0.4948	0.0057	0.0006	0.1462	0.3375	4.4030		29.10	29.10	29.70	29.60	6.30	6.20	0.50			226.15	296.50	32.49	92.28	90.74
65.0	18-Jul-96		101	Convoy Point	25.47833	-80.32083	1996.54	BB	AS	0.54	07	1996	1996-07	0.0011	0.0004	0.0007	0.0058	0.4153	0.0069	0.4084	0.0033	0.0009	0.9948	0.2544	4.2250	0.0334	28.00	28.00	29.90	29.90	7.40	8.00	1.20			282.54	17.91	4.69	107.81	116.55
65.0	19-Jul-96		102	Black Point	25.54583	-80.29467	1996.55	BB	AS	0.55	07	1996	1996-07	0.0048	0.0035	0.0013	0.0231	0.5390	0.0279	0.5111	0.0098	0.0011	2.1144	0.1144	6.4753	0.8512	15.90	17.30	29.10	29.40	5.80	5.80	0.50			121.25	56.93	6.28	77.84	78.72
65.0	19-Jul-96		103	Near Black Ledge	25.57333	-80.28667	1996.55	BB	IS	0.55	07	1996	1996-07	0.0014	0.0004	0.0010	0.0102	0.4117	0.0116	0.4002	0.0047	0.0002	1.7641	0.3123	4.5175	0.0606	25.00	25.00	28.50	28.50	5.50	5.50	0.75			196.07	165.50	5.52	77.76	77.76
65.0	19-Jul-96		104	BNP Marker C	25.60167	-80.22083	1996.55	BB	MAIN	0.55	07	1996	1996-07	0.0027	0.0014	0.0013	0.0097	0.2534	0.0124	0.2410	0.0047	0.0001	0.5093	0.1949	1.9160	0.1034	36.90	36.90	29.30	29.40	5.90	5.90	1.95			120.67	354.00	5.90	90.47	90.54
65.0	19-Jul-96		108	Marker G-1B	25.56917	-80.19250	1996.55	BB	MAIN	0.55	07	1996	1996-07	0.0007	0.0000	0.0007	0.0074	0.2040	0.0082	0.1958	0.0048	0.0003	0.2629	0.1144	1.7718	0.0292	37.00	37.00	28.90	28.90	5.60	5.60	0.85			94.01	58.25	3.76	85.66	85.66
65.0	19-Jul-96		109	Midbay North	25.56417	-80.23500	1996.55	BB	MAIN	0.55	07	1996	1996-07	0.0019	0.0004	0.0015	0.0103	0.2526	0.0122	0.2404	0.0046	0.0002	0.2941	0.1460	2.1803	0.0251	36.20	36.20	29.20	29.20	5.80	5.80	0.95			122.33	116.00	5.90	88.48	88.48
65.0	18-Jul-96		110	Fender Point	25.50500	-80.28750	1996.54	BB	IS	0.54	07	1996	1996-07	0.0023	0.0012	0.0012	0.0117	0.4254	0.0140	0.4114	0.0043	0.0004	0.8355	0.3078	3.7825	0.0345	28.30	28.30	29.70	29.70	7.10	7.10	1.70			217.05	80.00	7.14	103.48	103.48
65.0	18-Jul-96		111	Featherbed Bank	25.51583	-80.24000	1996.54	BB	MAIN	0.54	07	1996	1996-07	0.0022	0.0012	0.0010	0.0090	0.2242	0.0112	0.2130	0.0035	0.0001	0.3650	0.1520	1.4790	0.0428	36.90	37.00	29.40	29.40	6.30	6.30	1.50			142.36	321.00	7.13	96.67	96.74
65.0	18-Jul-96		112	Sands Cut	25.48833	-80.18833	1996.54	BB	MAIN	0.54	07	1996	1996-07	0.0029	0.0019	0.0009	0.0056	0.2172	0.0085	0.2087	0.0041	0.0001	0.1799	0.1249	1.6820	0.0439	36.90	36.90	29.90	29.90	6.10	6.10	0.90			117.10	243.00	4.58	93.95	93.95
65.0	18-Jul-96		113	Elliott Key	25.44167	-80.22333	1996.54	BB	MAIN	0.54	07	1996	1996-07	0.0104	0.0089	0.0014	0.0267	0.3141	0.0371	0.2770	0.0041	0.0002	0.2841	0.1874	2.2420	0.0460	34.40	34.40	29.60	29.60	6.10	6.00	1.50			169.33	530.00	20.00	92.29	90.78
65.0	18-Jul-96		116	Rubicon Keys	25.40000	-80.25500	1996.54	BB	MAIN	0.54	07	1996	1996-07	0.0042	0.0032	0.0010	0.0101	0.2532	0.0143	0.2388	0.0043	0.0002	0.2524	0.2085	1.8673	0.0480	35.90	35.90	29.30	29.30	5.70	5.70	1.45			129.16	136.33	7.30	86.86	86.86
65.0	18-Jul-96		121	Card Sound North	25.35500	-80.29167	1996.54	BB	SCARD	0.54	07	1996	1996-07	0.0038	0.0027	0.0011	0.0105	0.3313	0.0143	0.3170	0.0043	0.0001	0.2679	0.7308	2.9755	0.1138	32.40	33.50	29.70	29.80	5.90	5.90	1.20			169.04	409.00	7.30	88.22	88.89
65.0	18-Jul-96		122	West Arsenicker	25.42017	-80.31083	1996.54	BB	IS	0.54	07	1996	1996-07	0.0141	0.0123	0.0019	0.0254	0.3667	0.0395	0.3272	0.0042	0.0009	0.5018	0.7496	3.1180	0.0251	31.40	31.40	29.10	29.10	6.30	6.30	0.65			194.04	102.64	20.91	93.18	93.18
65.0	18-Jul-96		123	Pelican Bank	25.44500	-80.28333	1996.54	BB	MAIN	0.54	07	1996	1996-07	0.0243	0.0217	0.0026	0.0222	0.4016	0.0465	0.3550	0.0042	0.0005	0.4315	0.7052	3.0060	0.0366	31.50	31.60	29.40	29.40	6.10	6.20	1.45			212.47	221.50	24.61	90.49	92.03
65.0	18-Jul-96		124	Midbay South	25.47250	-80.23333	1996.54	BB	MAIN	0.54	07	1996	1996-07	0.0258	0.0234	0.0025	0.0289	0.3885	0.0548	0.3337	0.0034	0.0004	0.3086	0.5772	2.5808	0.0522	31.40	31.40	29.60	29.60	6.20	6.30	1.40			252.24	313.00	35.57	92.06	93.54
65.0	19-Jul-96		126	BNP Marker B	25.67167	-80.20500	1996.55	BB	MAIN	0.55	07	1996	1996-07	0.0052	0.0041	0.0011	0.0190	0.2814	0.0242	0.2572	0.0053	0.0009	0.2514	0.6374	2.5298	0.1619	32.20	32.20	29.80	29.70	6.00	6.00	2.20			116.52	62.82	10.01	89.67	89.60
65.0	19-Jul-96		127	Shoal Point	25.63000	-80.25000	1996.55	BB	IS	0.55	07	1996	1996-07	0.0019	0.0007	0.0012	0.0117	0.2458	0.0136	0.2322	0.0036	0.0005	0.3426	0.5072	2.3693	0.0313	34.40	34.40	29.40	29.40	6.40	6.40	0.60			149.43	55.43	8.26	96.68	96.68
65.0	19-Jul-96		128	Matheson Beach	25.68833	-80.23333	1996.55	BB	IS	0.55	07	1996	1996-07	0.0025	0.0014	0.0011	0.0149	0.3140	0.0174	0.2967	0.0035	0.0007	0.3524	0.5524	3.1888	0.0950	27.40	27.30	29.60	29.60	6.60	6.60	0.60			199.39	55.11	11.02	95.58	95.52
65.0	19-Jul-96		129	Marker G-71	25.73667	-80.18500	1996.55	BB	MAIN	0.55	07	1996	1996-07	0.0021	0.0012	0.0009	0.0118	0.2948	0.0139	0.2809	0.0050	0.0002	0.2716	0.6186	3.0998	0.1911	29.80	29.80	29.70	29.70	6.40	6.30	0.80			129.59	132.33	6.11	94.15	92.68
65.0	19-Jul-96		130	South Dodge Island	25.76333	-80.17167	1996.55	BB	NBAY	0.55	07	1996	1996-07	0.0192	0.0169	0.0023	0.0193	0.2711	0.0385	0.2325	0.0113	0.0001	0.1853	0.6909	2.4025	0.1943	33.30	33.40	29.80	29.80	5.70	5.70	22.35			53.04	1101.00	7.54	85.77	85.83
65.0	19-Jul-96		131	North Venetian Basin	25.80000	-80.16667	1996.55	BB	NBAY	0.55	07	1996	1996-07	0.0301	0.0275	0.0026	0.0158	0.3402	0.0459	0.2943	0.0084	0.0004	0.1085	0.7308	3.3120	0.3154	29.80	30.70	30.30	30.30	5.90	6.10	2.00			89.16	262.20	12.03	87.18	90.64
65.0	19-Jul-96		132	North I-195 Basin	25.81667	-80.16667	1996.55	BB	NBAY	0.55	07	1996	1996-07	0.0171	0.0155	0.0016	0.0123	0.3355	0.0294	0.3062	0.0080	0.0015	0.1708	0.6999	3.5523	0.1619	29.70	29.70	30.30	30.30	6.80	7.00	0.90			93.07	44.16	8.15	100.41	103.37
65.0	19-Jul-96		133	North Normandy Isle	25.86667	-80.15000	1996.55	BB	NBAY	0.55	07	1996	1996-07	0.0103	0.0087	0.0015	0.0088	0.3644	0.0190	0.3454	0.0126	0.0010	0.2100	1.1868	3.7615	0.5160	29.70	31.90	30.70	30.50	6.30	6.60	2.25			63.88	41.85	3.34	93.29	98.94
65.0	19-Jul-96		134	Oleta River Park	25.90500	-80.13333	1996.55	BB	NBAY	0.55	07	1996	1996-07	0.0019	0.0010	0.0009	0.0063	0.2663	0.0082	0.2581	0.0084	0.0005	0.3897	1.3998	3.1485	0.2287	32.20	35.20	30.80	29.50	6.60	6.30	1.60			70.45	39.00	2.17	99.32	95.72
65.0	19-Jul-96		135	South Card Sound	25.31667	-80.31667	1996.55	BB	SCARD	0.55	07	1996	1996-07	0.0078	0.0068	0.0010	0.0125	0.4017	0.0203	0.3814	0.0053	0.0009	0.3079	0.4199	3.5923	0.0397	29.40	29.40	29.50	29.50	5.90	5.80	1.05			166.33	52.64	8.39	86.45	84.98
66.0	16-Aug-96		101	Convoy Point	25.47833	-80.32083	1996.62	BB	AS	0.62	08	1996	1996-08	0.0025	0.0015	0.0010	0.0066	0.5600	0.0090	0.5510	0.0034	0.0004	0.4637	0.1867	6.5840		35.00	34.90	30.90	31.00	4.80	4.70	0.25			363.65	51.60	5.86	73.55	72.02
66.0	16-Aug-96		102	Black Point	25.54583	-80.29467	1996.62	BB	AS	0.62	08	1996	1996-08	0.0015	0.0005	0.0010	0.0119	0.7518	0.0134	0.7384	0.0053	0.0012	0.6569	0.1968	8.6735		29.40	29.40	30.60	30.60	5.70	5.50	0.30			315.87	23.94	5.63	84.19	81.23
66.0	16-Aug-96		103	Near Black Ledge	25.57333	-80.28667	1996.62	BB	IS	0.62	08	1996	1996-08	0.0039	0.0025	0.0014	0.0114	0.6211	0.0153	0.6057	0.0043	0.0000	0.7420	0.1890	7.5643		29.20	29.30	30.30	30.30	5.50	5.50	0.10			322.63		7.96	80.96	81.01
66.0	16-Aug-96		104	BNP Marker C	25.60167	-80.22083	1996.62	BB	MAIN	0.62	08	1996	1996-08	0.0049	0.0034	0.0015	0.0116	0.2108	0.0166	0.1942	0.0043	0.0001	0.1007	0.1381	2.1738		36.90	36.90	30.90	31.00	6.00	6.00	0.75			109.50	473.00	8.60	93.03	93.09
66.0	16-Aug-96		108	Marker G-1B	25.56917	-80.19250	1996.62	BB	MAIN	0.62	08	1996	1996-08	0.0015	0.0007	0.0008	0.0085	0.1654	0.0100	0.1554	0.0040	0.0008	0.0839	0.1119	2.5033		36.60	36.60	30.30	30.30	5.40	5.40	0.10			92.64	28.60	5.61	83.24	83.24
66.0	16-Aug-96		109	Midbay North	25.56417	-80.23500	1996.62	BB	MAIN	0.62	08	1996	1996-08	0.0046	0.0036	0.0010	0.0085	0.1941	0.0132	0.1810	0.0034	0.0002	0.1639	0.1273	2.7470		36.80	36.80	31.00	31.00	6.30	6.30	0.50			126.07	188.00	8.55	97.68	97.68
66.0	16-Aug-96		110	Fender Point	25.50500	-80.28750	1996.62	BB	IS	0.62	08	1996	1996-08	0.0045	0.0034	0.0012	0.0076	0.4305	0.0121	0.4183	0.0046	0.0005	0.4262	0.3241	5.8048		34.80	34.80	31.00	31.00	5.20	5.30	0.55			208.46	57.83	5.88	79.63	81.16
66.0	16-Aug-96		111	Featherbed Bank	25.51583	-80.24000	1996.62	BB	MAIN	0.62	08	1996	1996-08	0.0044	0.0031	0.0013	0.0104	0.2712	0.0148	0.2563	0.0035	0.0005	0.2016	0.1759	4.0118		34.60	34.60	30.80	30.90	5.40	5.50	0.70			172.16	60.57	9.42	82.49	84.07
66.0	16-Aug-96		112	Sands Cut	25.48833	-80.18833	1996.62	BB	MAIN	0.62	08	1996	1996-08	0.0029	0.0022	0.0007	0.0102	0.1977	0.0131	0.1846	0.0048	0.0008	0.1944	0.1373	2.7858		35.00	35.00	31.10	31.10	4.90	5.00	0.75			91.11	37.50	6.05	75.18	76.71
66.0	16-Aug-96		113	Elliott Key	25.44167	-80.22333	1996.62	BB	MAIN	0.62	08	1996	1996-08	0.0036	0.0023	0.0013	0.0234	0.2533	0.0270	0.2263	0.0032	0.0002	0.2549	0.1983	3.2953		37.30	37.20	30.80	30.90	5.80	5.80	0.90			176.48	256.67	18.78	90.09	90.10
66.0	16-Aug-96		116	Rubicon Keys	25.40000	-80.25500	1996.62	BB	MAIN	0.62	08	1996	1996-08	0.0098	0.0083	0.0015	0.0119	0.1956	0.0217	0.1739	0.0031	0.0004	0.0965	0.2184	3.1770		36.60	36.50	31.30	31.30	5.50	5.50	0.80			139.71	124.00	15.50	85.33	85.28
66.0	16-Aug-96		121	Card Sound North	25.35500	-80.29167	1996.62	BB	SCARD	0.62	08	1996	1996-08	0.0071	0.0058	0.0013	0.0134	0.2959	0.0205	0.2754	0.0039	0.0005	0.1584	0.3688	3.8455		35.10	35.80	31.30	31.40	5.50	5.60	0.40			169.11	83.86	11.74	84.54	86.51
66.0	16-Aug-96		122	West Arsenicker	25.42017	-80.31083	1996.62	BB	IS	0.62	08	1996	1996-08	0.0068	0.0041	0.0027	0.0106	0.3567	0.0175	0.3392	0.0047	0.0007	0.5818	0.2886	5.0435		35.40	35.40	30.90	31.00	7.60	7.60	0.60			167.06	55.44	8.18	116.74	116.82
66.0	16-Aug-96		123	Pelican Bank	25.44500	-80.28333	1996.62	BB	MAIN	0.62	08	1996	1996-08	0.0106	0.0088	0.0018	0.0096	0.2882	0.0201	0.2681	0.0048	0.0005	0.2016	0.3403	3.4200		35.90	35.90	31.10	31.10	7.80	7.90	0.80			132.83	82.14	9.27	120.34	121.88
66.0	16-Aug-96		124	Midbay South	25.47250	-80.23333	1996.62	BB	MAIN	0.62	08	1996	1996-08	0.0025	0.0019	0.0006	0.0211	0.3219	0.0236	0.2983	0.0036	0.0003	0.2390	0.3935	3.7045		36.20	36.30	30.70	30.70	5.40	5.60	0.85			199.93	168.75	14.67	83.26	86.39
66.0	16-Aug-96		126	BNP Marker B	25.67167	-80.20500	1996.62	BB	MAIN	0.62	08	1996	1996-08	0.0103	0.0091	0.0012	0.0102	0.2445	0.0204	0.2240	0.0041	0.0002	0.1020	0.3472	3.0623		36.40	36.30	30.70	30.80	6.00	6.10	0.85			131.78	194.67	11.02	92.62	94.17
66.0	16-Aug-96		127	Shoal Point	25.63000	-80.25000	1996.62	BB	IS	0.62	08	1996	1996-08	0.0063	0.0044	0.0019	0.0097	0.3252	0.0160	0.3092	0.0036	0.0005	0.1820	0.2238	3.8848		31.90	32.20	31.00	31.00	5.10	5.10	0.00			197.70	76.33	9.74	76.71	76.85
66.0	16-Aug-96		128	Matheson Beach	25.68833	-80.23333	1996.62	BB	IS	0.62	08	1996	1996-08	0.0057	0.0043	0.0014	0.0119	0.3506	0.0176	0.3330	0.0040	0.0005	0.1652	0.2299	4.0900		33.10	33.10	30.70	30.70	5.70	5.80	0.00			196.40	83.67	9.84	86.20	87.72
66.0	16-Aug-96		129	Marker G-71	25.73667	-80.18500	1996.62	BB	MAIN	0.62	08	1996	1996-08	0.0070	0.0058	0.0011	0.0176	0.2660	0.0246	0.2414	0.0057	0.0007	0.2271	0.6273	3.5160		34.80	34.80	30.70	30.70	5.60	5.80	1.95			104.09	78.00	9.62	85.59	88.65
66.0	16-Aug-96		130	South Dodge Island	25.76333	-80.17167	1996.62	BB	NBAY	0.62	08	1996	1996-08	0.0163	0.0148	0.0015	0.0198	0.2784	0.0362	0.2423	0.0071	0.0005	0.1587	0.5586	3.3758		33.90	33.90	31.00	31.00	5.80	6.00	2.05			87.42	172.17	11.35	88.33	91.37
66.0	16-Aug-96		131	North Venetian Basin	25.80000	-80.16667	1996.62	BB	NBAY	0.62	08	1996	1996-08	0.0345	0.0321	0.0024	0.0323	0.3294	0.0668	0.2626	0.0073	0.0001	0.0929	0.5586	3.4823		32.40	32.40	30.80	30.80	5.30	5.30	2.85			100.13	1908.00	20.30	79.86	79.86
66.0	16-Aug-96		132	North I-195 Basin	25.81667	-80.16667	1996.62	BB	NBAY	0.62	08	1996	1996-08	0.0340	0.0310	0.0029	0.0270	0.3212	0.0609	0.2602	0.0070	0.0002	0.0813	0.5031	3.5323		31.90	32.00	30.90	30.90	6.20	6.40	0.75			101.95	870.50	19.34	93.19	96.26
66.0	16-Aug-96		133	North Normandy Isle	25.86667	-80.15000	1996.62	BB	NBAY	0.62	08	1996	1996-08	0.0293	0.0258	0.0035	0.0246	0.3699	0.0539	0.3160	0.0091	0.0000	0.1213	0.8758	4.3943		30.30	32.30	31.00	30.70	5.90	6.10	0.40			89.57		13.06	87.87	91.80
66.0	16-Aug-96		134	Oleta River Park	25.90500	-80.13333	1996.62	BB	NBAY	0.62	08	1996	1996-08	0.0097	0.0083	0.0014	0.0079	0.2248	0.0176	0.2072	0.0056	0.0000	0.2078	0.8295	3.2398		32.90	35.30	30.50	30.00	6.10	6.10	0.35			89.21		6.99	92.01	93.08
66.0	16-Aug-96		135	South Card Sound	25.31667	-80.31667	1996.62	BB	SCARD	0.62	08	1996	1996-08	0.0107	0.0093	0.0014	0.0137	0.3449	0.0244	0.3204	0.0032	0.0001	0.1728	0.3904	4.2698		33.60	33.60	31.50	31.50	6.60	6.60	0.65			238.38	698.00	16.89	100.64	100.64
67.0	07-Sep-96		101	Convoy Point	25.47833	-80.32083	1996.68	BB	AS	0.68	09	1996	1996-09	0.0077	0.0066	0.0011	0.0297	0.5519	0.0374	0.5145	0.0019	0.0003	0.4502	0.1170	6.4275		27.20	28.80	30.30	31.00	5.60	5.60	0.35			657.02	267.25	44.54	81.41	82.63
67.0	07-Sep-96		102	Black Point	25.54583	-80.29467	1996.68	BB	AS	0.68	09	1996	1996-09	0.0757	0.0698	0.0058	0.0271	0.5605	0.1027	0.4577	0.0026	0.0008	0.2420	0.1971	6.8458		27.20	27.20	31.00	31.10	5.20	5.10	0.35			470.97	293.50	86.32	75.97	74.56
67.0	07-Sep-96		103	Near Black Ledge	25.57333	-80.28667	1996.68	BB	IS	0.68	09	1996	1996-09	0.0058	0.0045	0.0014	0.0143	0.6230	0.0201	0.6029	0.0035	0.0008	0.4966	0.2249	9.1683		26.90	27.10	30.70	30.60	5.30	5.50	0.45			395.58	57.50	12.78	77.13	80.08
67.0	07-Sep-96		104	BNP Marker C	25.60167	-80.22083	1996.68	BB	MAIN	0.68	09	1996	1996-09	0.0036	0.0024	0.0012	0.0097	0.2139	0.0132	0.2007	0.0028	0.0000	0.0672	0.1335	4.8348		36.20	36.20	31.00	31.00	5.80	5.90	0.90			169.80		10.50	89.60	91.14
67.0	07-Sep-96		108	Marker G-1B	25.56917	-80.19250	1996.68	BB	MAIN	0.68	09	1996	1996-09	0.0030	0.0020	0.0010	0.0095	0.2148	0.0126	0.2022	0.0029	0.0002	0.0330	0.1735	3.7170		36.30	36.30	31.40	31.40	6.30	6.20	0.90			165.84	119.67	9.70	97.62	96.07
67.0	07-Sep-96		109	Midbay North	25.56417	-80.23500	1996.68	BB	MAIN	0.68	09	1996	1996-09	0.0027	0.0010	0.0017	0.0092	0.1852	0.0119	0.1732	0.0021	0.0015	0.0910	0.1468	3.7438		36.00	36.00	31.20	31.20	5.60	5.60	0.70			195.95	17.95	12.63	86.51	86.51
67.0	07-Sep-96		110	Fender Point	25.50500	-80.28750	1996.68	BB	IS	0.68	09	1996	1996-09	0.0737	0.0680	0.0056	0.0350	0.4969	0.1087	0.3882	0.0036	0.0020	0.2007	0.1756	5.3145		32.30	32.40	30.60	30.60	5.20	5.20	0.35			308.62	119.46	67.52	78.20	78.25
67.0	07-Sep-96		111	Featherbed Bank	25.51583	-80.24000	1996.68	BB	MAIN	0.68	09	1996	1996-09	0.0070	0.0050	0.0020	0.0191	0.2164	0.0261	0.1903	0.0031	0.0003	0.1200	0.0914	3.6138		35.50	35.50	31.50	31.50	6.20	6.10	1.00			154.57	186.75	18.68	95.65	94.11
67.0	07-Sep-96		112	Sands Cut	25.48833	-80.18833	1996.68	BB	MAIN	0.68	09	1996	1996-09	0.0039	0.0032	0.0007	0.0118	0.1957	0.0157	0.1800	0.0028	0.0000	0.0855	0.0657	2.5643		36.10	36.10	32.00	32.00	6.70	6.60	0.70			155.31		12.47	104.06	102.50
67.0	07-Sep-96		113	Elliott Key	25.44167	-80.22333	1996.68	BB	MAIN	0.68	09	1996	1996-09	0.0109	0.0096	0.0013	0.0365	0.3304	0.0475	0.2829	0.0022	0.0009	0.0946	0.0955	3.6598		36.00	36.00	31.20	31.30	5.80	5.90	0.80			337.10	113.00	48.43	89.60	91.20
67.0	07-Sep-96		116	Rubicon Keys	25.40000	-80.25500	1996.68	BB	MAIN	0.68	09	1996	1996-09	0.0200	0.0189	0.0010	0.0214	0.2715	0.0413	0.2302	0.0041	0.0005	0.0680	0.0647	3.2980		35.90	35.90	31.60	31.60	5.90	6.00	0.55			146.36	168.57	22.26	91.31	92.85
67.0	07-Sep-96		121	Card Sound North	25.35500	-80.29167	1996.68	BB	SCARD	0.68	09	1996	1996-09	0.0041	0.0032	0.0009	0.0112	0.2861	0.0153	0.2707	0.0018	0.0005	0.0878	0.0606	3.6180		34.30	34.30	31.90	31.90	6.30	6.30	0.40			355.36	73.00	19.04	96.71	96.71
67.0	07-Sep-96		122	West Arsenicker	25.42017	-80.31083	1996.68	BB	IS	0.68	09	1996	1996-09	0.0136	0.0116	0.0021	0.0279	0.4241	0.0415	0.3826	0.0033	0.0005	0.2095	0.0750	4.6593		33.40	33.40	32.20	32.30	6.10	6.10	0.50			281.78	197.50	27.56	93.28	93.33
67.0	07-Sep-96		123	Pelican Bank	25.44500	-80.28333	1996.68	BB	MAIN	0.68	09	1996	1996-09	0.0442	0.0415	0.0027	0.0321	0.3804	0.0763	0.3042	0.0045	0.0007	0.0911	0.2187	3.8173		34.20	34.20	31.90	32.00	5.90	5.90	0.75			187.40	242.11	37.57	90.51	90.56
67.0	07-Sep-96		124	Midbay South	25.47250	-80.23333	1996.68	BB	MAIN	0.68	09	1996	1996-09	0.0013	0.0003	0.0010	0.0238	0.3291	0.0251	0.3040	0.0034	0.0009	0.1129	0.1530	3.6488		35.80	35.80	31.20	31.30	6.30	6.20	0.35			213.68	65.18	16.30	97.20	95.72

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
67.0	07-Sep-96		126	BNP Marker B	25.67167	-80.20500	1996.68	BB	MAIN	0.68	09	1996	1996-09	0.0064	0.0051	0.0014	0.0197	0.2745	0.0262	0.2483	0.0020	0.0003	0.0551	0.2546	5.6723		34.40	34.40	31.00	31.00	6.00	6.10	0.65			301.63	187.00	28.77	91.66	93.18
67.0	07-Sep-96		127	Shoal Point	25.63000	-80.25000	1996.68	BB	IS	0.68	09	1996	1996-09	0.0099	0.0072	0.0027	0.0188	0.3263	0.0287	0.2975	0.0031	0.0000	0.0633	0.3183	5.9743		31.80	32.40	31.00	31.00	4.80	4.90	0.20			233.05		20.53	72.15	73.93
67.0	07-Sep-96		128	Matheson Beach	25.68833	-80.23333	1996.68	BB	IS	0.68	09	1996	1996-09	0.0116	0.0098	0.0018	0.0152	0.3594	0.0267	0.3326	0.0043	0.0000	0.0637	0.4723	5.7858		31.70	32.70	31.20	31.20	4.30	5.00	0.40			183.34		13.63	64.68	75.68
67.0	07-Sep-96		129	Marker G-71	25.73667	-80.18500	1996.68	BB	MAIN	0.68	09	1996	1996-09	0.0096	0.0082	0.0014	0.0158	0.2748	0.0253	0.2495	0.0052	0.0000	0.0791	0.5780	4.9980		33.40	33.40	30.80	30.80	5.80	5.80	1.05			117.20		10.81	87.94	87.94
67.0	07-Sep-96		130	South Dodge Island	25.76333	-80.17167	1996.68	BB	NBAY	0.68	09	1996	1996-09	0.0173	0.0156	0.0018	0.0148	0.2425	0.0321	0.2103	0.0055	0.0002	0.0418	0.5832	4.3290		32.30	32.90	31.00	30.70	5.80	5.80	1.45			97.58	306.00	12.93	87.45	87.61
67.0	07-Sep-96		131	North Venetian Basin	25.80000	-80.16667	1996.68	BB	NBAY	0.68	09	1996	1996-09	0.0246	0.0222	0.0024	0.0203	0.3394	0.0449	0.2945	0.0057	0.0009	0.0422	0.4897	5.3150		31.70	32.10	30.90	30.70	5.30	5.00	0.65			131.05	116.64	17.34	79.57	75.15
67.0	07-Sep-96		132	North I-195 Basin	25.81667	-80.16667	1996.68	BB	NBAY	0.68	09	1996	1996-09	0.0129	0.0105	0.0025	0.0110	0.3851	0.0239	0.3612	0.0061	0.0002	0.1087	0.5657	6.2143		29.70	31.50	31.20	31.30	4.90	5.00	0.25			139.26	341.00	8.63	72.80	75.16
67.0	07-Sep-96		133	North Normandy Isle	25.86667	-80.15000	1996.68	BB	NBAY	0.68	09	1996	1996-09	0.0058	0.0039	0.0020	0.0129	0.2912	0.0187	0.2725	0.0098	0.0002	0.1101	1.1664	5.1008		28.30	33.10	31.00	31.70	6.00	5.00	0.65			66.03	267.50	4.25	88.25	76.10
67.0	07-Sep-96		134	Oleta River Park	25.90500	-80.13333	1996.68	BB	NBAY	0.68	09	1996	1996-09	0.0121	0.0097	0.0025	0.0135	0.3143	0.0257	0.2886	0.0099	0.0011	0.0736	1.3245	5.9873		31.20	35.20	31.00	30.00	5.70	5.50	0.95			70.15	52.43	5.73	85.36	83.87
67.0	07-Sep-96		135	South Card Sound	25.31667	-80.31667	1996.68	BB	SCARD	0.68	09	1996	1996-09	0.0179	0.0161	0.0018	0.0175	0.3781	0.0354	0.3428	0.0034	0.0010	0.0859	0.1016	4.4728		32.50	33.70	31.60	31.90	6.20	6.30	0.20			245.55	77.69	22.95	93.95	96.35
68.0	10-Oct-96		101	Convoy Point	25.47833	-80.32083	1996.77	BB	AS	0.77	10	1996	1996-10	0.1269	0.1220	0.0049	0.0426	0.6848	0.1695	0.5153	0.0058	0.0004	0.3206	0.3221	6.4863	0.5698	29.60	29.00	27.80	27.80	5.90	10.50	0.80			260.89	968.80	64.59	85.35	151.32
68.0	10-Oct-96		102	Black Point	25.54583	-80.29467	1996.77	BB	AS	0.77	10	1996	1996-10	0.1000	0.0927	0.0073	0.0342	0.6129	0.1342	0.4787	0.0060	0.0004	0.2466	0.1825	6.0360	0.5668	24.60	24.60	27.30	27.30	7.10	7.20	0.45			227.42	767.00	49.81	99.06	100.45
68.0	11-Oct-96		103	Near Black Ledge	25.57333	-80.28667	1996.78	BB	IS	0.78	10	1996	1996-10	0.0455	0.0404	0.0052	0.0148	0.4483	0.0604	0.3879	0.0067	0.0003	0.3164	0.3044	5.1723	0.1181	28.20	28.20	25.40	25.40	5.70	5.80	0.55			147.21	431.25	19.83	79.84	81.24
68.0	11-Oct-96		104	BNP Marker C	25.60167	-80.22083	1996.78	BB	MAIN	0.78	10	1996	1996-10	0.0098	0.0075	0.0024	0.0074	0.2217	0.0172	0.2045	0.0071	0.0000	0.0927	0.5772	3.2600	0.0537	34.90	34.90	26.30	26.30	6.20	5.90	3.65			68.86		5.35	91.48	87.06
68.0	10-Oct-96		108	Marker G-1B	25.56917	-80.19250	1996.77	BB	MAIN	0.77	10	1996	1996-10	0.0100	0.0079	0.0021	0.0079	0.1946	0.0179	0.1767	0.0074	0.0000	0.0524	0.5681	2.7638	0.0829	35.60	35.60	27.30	27.30	6.20	6.20	1.70			57.92		5.33	92.75	92.75
68.0	10-Oct-96		109	Midbay North	25.56417	-80.23500	1996.77	BB	MAIN	0.77	10	1996	1996-10	0.0048	0.0031	0.0018	0.0056	0.1778	0.0105	0.1673	0.0060	0.0004	0.0617	0.2677	2.8753	0.0234	36.20	36.20	27.30	27.30	6.50	6.60	0.70			65.97	59.80	3.88	97.61	99.11
68.0	10-Oct-96		110	Fender Point	25.50500	-80.28750	1996.77	BB	IS	0.77	10	1996	1996-10	0.0797	0.0740	0.0058	0.0316	0.4994	0.1113	0.3881	0.0064	0.0001	0.2776	0.3541	5.7338	0.3102	28.50	28.50	27.30	27.30	6.60	7.50	0.50			171.92	3181.00	38.33	94.39	107.26
68.0	10-Oct-96		111	Featherbed Bank	25.51583	-80.24000	1996.77	BB	MAIN	0.77	10	1996	1996-10	0.0068	0.0049	0.0019	0.0082	0.2270	0.0150	0.2121	0.0053	0.0000	0.0539	0.2521	3.1100	0.0341	36.20	36.20	27.30	27.30	6.20	6.20	1.10			94.01		6.20	93.11	93.11
68.0	10-Oct-96		112	Sands Cut	25.48833	-80.18833	1996.77	BB	MAIN	0.77	10	1996	1996-10	0.0063	0.0052	0.0011	0.0067	0.2408	0.0130	0.2278	0.0070	0.0004	0.0697	0.2559	3.3335	0.0176	35.50	34.80	27.00	27.00	6.00	6.10	1.10			76.43	74.00	4.11	89.46	90.55
68.0	10-Oct-96		113	Elliott Key	25.44167	-80.22333	1996.77	BB	MAIN	0.77	10	1996	1996-10	0.0077	0.0066	0.0011	0.0154	0.1646	0.0231	0.1415	0.0060	0.0003	0.0789	0.2645	2.5433	0.0195	36.20	36.10	26.90	26.90	6.00	5.90	1.05			61.09	165.00	8.57	89.78	88.23
68.0	10-Oct-96		116	Rubicon Keys	25.40000	-80.25500	1996.77	BB	MAIN	0.77	10	1996	1996-10	0.0056	0.0045	0.0011	0.0069	0.1875	0.0125	0.1750	0.0057	0.0002	0.0688	0.3890	2.8465	0.0234	36.00	35.90	27.30	27.30	5.90	5.70	1.30			72.39	119.00	4.82	88.49	85.44
68.0	10-Oct-96		121	Card Sound North	25.35500	-80.29167	1996.77	BB	SCARD	0.77	10	1996	1996-10	0.0112	0.0098	0.0014	0.0145	0.2730	0.0258	0.2473	0.0067	0.0002	0.0599	0.5152	3.7263	0.0429	33.40	33.40	27.30	27.30	5.80	5.20	1.25			90.71	368.00	8.56	85.57	76.71
68.0	10-Oct-96		122	West Arsenicker	25.42017	-80.31083	1996.77	BB	IS	0.77	10	1996	1996-10	0.0249	0.0229	0.0021	0.0220	0.3482	0.0469	0.3013	0.0071	0.0000	0.1494	0.2580	3.7400	0.0810	34.10	33.60	26.80	26.80	5.70	5.20	0.85			108.12		14.57	84.08	76.46
68.0	10-Oct-96		123	Pelican Bank	25.44500	-80.28333	1996.77	BB	MAIN	0.77	10	1996	1996-10	0.0245	0.0229	0.0016	0.0279	0.2894	0.0524	0.2371	0.0072	0.0000	0.0654	0.2498	3.2718	0.0859	34.40	34.10	26.90	26.90	5.70	5.60	0.95			88.92		16.09	84.32	82.68
68.0	10-Oct-96		124	Midbay South	25.47250	-80.23333	1996.77	BB	MAIN	0.77	10	1996	1996-10	0.0086	0.0077	0.0009	0.0270	0.2796	0.0356	0.2440	0.0051	0.0000	0.1083	0.3612	3.1593	0.0400	35.40	35.30	27.00	27.10	6.00	6.00	1.35			121.06		15.42	89.40	89.43
68.0	11-Oct-96		126	BNP Marker B	25.67167	-80.20500	1996.78	BB	MAIN	0.78	10	1996	1996-10	0.0191	0.0160	0.0031	0.0306	0.3068	0.0497	0.2571	0.0068	0.0000	0.1218	1.0643	3.7745	0.2946	32.60	32.60	26.30	26.30	6.10	6.10	3.35			99.61		16.13	88.69	88.69
68.0	11-Oct-96		127	Shoal Point	25.63000	-80.25000	1996.78	BB	IS	0.78	10	1996	1996-10	0.0211	0.0182	0.0029	0.0140	0.3176	0.0351	0.2826	0.0069	0.0002	0.0837	0.3895	3.9565	0.3044	30.50	30.50	26.30	26.30	5.60	5.60	0.50			101.97	501.00	11.26	80.34	80.34
68.0	11-Oct-96		128	Matheson Beach	25.68833	-80.23333	1996.78	BB	IS	0.78	10	1996	1996-10	0.0200	0.0175	0.0025	0.0212	0.2988	0.0412	0.2576	0.0078	0.0002	0.1319	0.8832	3.9235	0.1854	31.30	31.30	26.30	26.30	5.80	5.80	0.65			85.37	589.00	11.78	83.63	83.63
68.0	11-Oct-96		129	Marker G-71	25.73667	-80.18500	1996.78	BB	MAIN	0.78	10	1996	1996-10	0.0581	0.0502	0.0079	0.0830	0.3812	0.1412	0.2401	0.0101	0.0004	0.0639	1.0105	4.1988	0.7200	29.70	31.10	26.70	26.80	5.50	5.30	3.35			83.79	806.60	31.02	78.81	76.70
68.0	11-Oct-96		130	South Dodge Island	25.76333	-80.17167	1996.78	BB	NBAY	0.78	10	1996	1996-10	0.0556	0.0475	0.0081	0.0802	0.3557	0.1358	0.2199	0.0109	0.0001	0.0543	0.8998	4.0173	0.6956	30.10	34.50	27.00	27.10	5.40	5.30	3.75			72.60	3880.00	27.71	77.80	78.60
68.0	11-Oct-96		131	North Venetian Basin	25.80000	-80.16667	1996.78	BB	NBAY	0.78	10	1996	1996-10	0.0700	0.0640	0.0060	0.0364	0.3688	0.1063	0.2625	0.0095	0.0005	0.0807	1.8411	4.1328	0.3727	29.20	29.20	26.50	26.50	5.90	5.80	2.00			86.37	434.00	24.90	84.11	82.68
68.0	11-Oct-96		132	North I-195 Basin	25.81667	-80.16667	1996.78	BB	NBAY	0.78	10	1996	1996-10	0.0789	0.0716	0.0073	0.0317	0.4003	0.1106	0.2897	0.0090	0.0005	0.0957	1.7310	5.0673	0.2839	26.10	26.10	26.30	26.30	5.90	5.90	0.70			98.60	526.67	27.24	82.30	82.30
68.0	11-Oct-96		133	North Normandy Isle	25.86667	-80.15000	1996.78	BB	NBAY	0.78	10	1996	1996-10	0.0628	0.0564	0.0064	0.0471	0.3953	0.1099	0.2854	0.0146	0.0003	0.2568	5.4313	4.5805	0.6234	28.90	29.30	26.50	26.50	6.10	6.10	1.40			60.08	785.25	16.71	86.79	87.02
68.0	11-Oct-96		134	Oleta River Park	25.90500	-80.13333	1996.78	BB	NBAY	0.78	10	1996	1996-10	0.0558	0.0499	0.0059	0.0229	0.3254	0.0787	0.2467	0.0133	0.0002	0.1080	0.6164	3.9858	0.5503	31.50	32.10	26.90	27.00	5.70	5.70	1.40			54.37	749.33	13.15	82.78	83.17
68.0	10-Oct-96		135	South Card Sound	25.31667	-80.31667	1996.77	BB	SCARD	0.77	10	1996	1996-10	0.0259	0.0226	0.0033	0.0441	0.4475	0.0700	0.3775	0.0068	0.0002	0.0838	0.5105	5.4405	0.1610	29.40	33.30	27.00	28.00	6.10	6.00	1.85			145.31	666.67	22.73	87.49	89.01
69.0	13-Nov-96		101	Convoy Point	25.47833	-80.32083	1996.87	BB	AS	0.87	11	1996	1996-11	0.1327	0.1255	0.0072	0.0180	0.6227	0.1507	0.4720	0.0036	0.0002	0.2448	0.4273	6.9690		18.10	17.90	20.20	20.20	7.90	7.90	0.40			386.80	2153.00	93.61	96.88	96.75
69.0	13-Nov-96		102	Black Point	25.54583	-80.29467	1996.87	BB	AS	0.87	11	1996	1996-11	0.0039	0.0033	0.0006	0.0052	0.3141	0.0091	0.3050	0.0033	0.0004	0.1426	0.2264	4.0863		28.40	28.30	20.30	20.30	7.60	7.60	0.55			213.68	52.00	6.19	99.96	99.89
69.0	13-Nov-96		103	Near Black Ledge	25.57333	-80.28667	1996.87	BB	IS	0.87	11	1996	1996-11	0.0039	0.0032	0.0007	0.0070	0.2919	0.0109	0.2810	0.0043	0.0005	0.1518	0.2231	3.9865		28.90	28.90	20.80	20.80	7.60	7.50	1.05			151.65	51.83	5.65	101.01	99.68
69.0	12-Nov-96		104	BNP Marker C	25.60167	-80.22083	1996.86	BB	MAIN	0.86	11	1996	1996-11	0.0061	0.0044	0.0017	0.0052	0.2298	0.0112	0.2185	0.0046	0.0009	0.0373	0.3499	2.8760		33.20	33.20	21.50	21.50	7.30	7.20	1.57			111.27	26.75	5.44	100.79	99.41
69.0	12-Nov-96		108	Marker G-1B	25.56917	-80.19250	1996.86	BB	MAIN	0.86	11	1996	1996-11	0.0047	0.0035	0.0012	0.0044	0.2175	0.0091	0.2084	0.0047	0.0002	0.0331	0.4586	2.9000		32.10	32.70	21.20	21.20	7.30	7.40	1.91			103.57	129.50	4.32	99.65	101.42
69.0	12-Nov-96		109	Midbay North	25.56417	-80.23500	1996.86	BB	MAIN	0.86	11	1996	1996-11	0.0076	0.0060	0.0016	0.0054	0.2350	0.0130	0.2220	0.0038	0.0000	0.0678	0.2462	3.4650		32.10	32.20	21.20	21.20	7.80	7.70	1.37			137.05		7.59	106.48	105.18
69.0	13-Nov-96		110	Fender Point	25.50500	-80.28750	1996.87	BB	IS	0.87	11	1996	1996-11	0.0055	0.0043	0.0012	0.0087	0.3607	0.0141	0.3465	0.0048	0.0002	0.1928	0.3375	5.1058		25.20	25.10	20.20	20.20	7.90	7.90	0.60			166.21	202.00	6.52	101.57	101.50
69.0	13-Nov-96		111	Featherbed Bank	25.51583	-80.24000	1996.87	BB	MAIN	0.87	11	1996	1996-11	0.0070	0.0049	0.0021	0.0077	0.2382	0.0147	0.2236	0.0054	0.0001	0.0545	0.6776	3.0050		33.20	33.30	20.90	20.90	6.90	6.90	19.00			97.24	419.00	5.99	94.49	94.55
69.0	13-Nov-96		112	Sands Cut	25.48833	-80.18833	1996.87	BB	MAIN	0.87	11	1996	1996-11	0.0008	0.0002	0.0006	0.0032	0.1835	0.0040	0.1795	0.0054	0.0000	0.0442	0.3441	2.7305		34.10	34.10	21.00	21.00	7.00	7.00	3.55			74.91		1.64	96.56	96.56
69.0	13-Nov-96		113	Elliott Key	25.44167	-80.22333	1996.87	BB	MAIN	0.87	11	1996	1996-11	0.0027	0.0015	0.0012	0.0078	0.1864	0.0106	0.1758	0.0043	0.0001	0.0354	0.2223	2.6473		34.60	34.60	20.50	20.50	7.20	7.20	1.60			96.84	302.00	5.49	98.96	98.96
69.0	13-Nov-96		116	Rubicon Keys	25.40000	-80.25500	1996.87	BB	MAIN	0.87	11	1996	1996-11	0.0071	0.0057	0.0014	0.0112	0.2068	0.0183	0.1885	0.0048	0.0001	0.0584	0.4470	2.6830		35.10	35.10	20.80	20.80	7.00	7.00	4.30			95.31	523.00	8.44	96.94	96.94
69.0	13-Nov-96		121	Card Sound North	25.35500	-80.29167	1996.87	BB	SCARD	0.87	11	1996	1996-11	0.1153	0.1115	0.0038	0.0174	0.4040	0.1327	0.2713	0.0038	0.0002	0.0908	0.3384	3.8003		27.90	28.00	20.60	20.60	7.50	7.60	2.50			235.58	1263.67	77.37	98.74	100.12
69.0	13-Nov-96		122	West Arsenicker	25.42017	-80.31083	1996.87	BB	IS	0.87	11	1996	1996-11	0.1334	0.1277	0.0057	0.0190	0.4534	0.1524	0.3010	0.0043	0.0007	0.1526	0.3557	4.6433		24.10	24.10	20.90	20.90	7.50	7.60	3.75			231.31	483.67	77.73	96.70	97.99
69.0	13-Nov-96		123	Pelican Bank	25.44500	-80.28333	1996.87	BB	MAIN	0.87	11	1996	1996-11	0.0609	0.0584	0.0025	0.0107	0.3256	0.0716	0.2539	0.0049	0.0002	0.0760	0.3408	3.6315		30.30	30.30	21.00	21.00	7.30	7.30	4.00			147.66	682.33	32.49	98.20	98.20
69.0	13-Nov-96		124	Midbay South	25.47250	-80.23333	1996.87	BB	MAIN	0.87	11	1996	1996-11	0.0015	0.0008	0.0008	0.0035	0.2285	0.0050	0.2234	0.0041	0.0000	0.0596	0.2215	2.8883		33.50	33.50	20.60	20.60	7.10	7.20	1.45			123.17		2.72	97.01	98.38
69.0	12-Nov-96		126	BNP Marker B	25.67167	-80.20500	1996.86	BB	MAIN	0.86	11	1996	1996-11	0.0061	0.0046	0.0015	0.0061	0.2468	0.0122	0.2346	0.0046	0.0002	0.0706	0.6858	3.5890		31.40	31.40	21.80	21.80	7.60	7.50	1.43			119.53	174.00	5.90	104.11	102.74
69.0	12-Nov-96		127	Shoal Point	25.63000	-80.25000	1996.86	BB	IS	0.86	11	1996	1996-11	0.0076	0.0062	0.0013	0.0076	0.3035	0.0152	0.2883	0.0049	0.0015	0.1063	0.2577	4.7618		26.40	26.40	21.60	21.70	7.80	7.90	0.09			137.63	22.79	6.87	103.11	104.57
69.0	12-Nov-96		128	Matheson Beach	25.68833	-80.23333	1996.86	BB	IS	0.86	11	1996	1996-11	0.0225	0.0206	0.0019	0.0102	0.3139	0.0327	0.2812	0.0056	0.0005	0.0511	0.6331	4.4965		26.50	26.50	20.80	20.80	7.50	7.40	0.30			124.56	155.67	12.97	98.11	96.80
69.0	12-Nov-96		129	Marker G-71	25.73667	-80.18500	1996.86	BB	MAIN	0.86	11	1996	1996-11	0.0149	0.0131	0.0019	0.0233	0.2548	0.0383	0.2166	0.0069	0.0005	0.0298	1.1081	2.9978		33.70	33.70	22.90	22.90	6.40	6.30	0.84			81.80	182.17	12.28	90.26	88.85
69.0	12-Nov-96		130	South Dodge Island	25.76333	-80.17167	1996.86	BB	NBAY	0.86	11	1996	1996-11	0.0091	0.0076	0.0016	0.0078	0.1326	0.0170	0.1156	0.0053	0.0005	0.0186	0.7088	2.2968		35.60	35.60	24.10	24.10	6.20	6.20	0.84			55.72	69.29	7.13	89.79	89.79
69.0	12-Nov-96		131	North Venetian Basin	25.80000	-80.16667	1996.86	BB	NBAY	0.86	11	1996	1996-11	0.0132	0.0112	0.0019	0.0129	0.2144	0.0260	0.1883	0.0071	0.0001	0.0269	1.1715	3.3120		32.00	32.20	22.60	22.60	6.70	6.70	0.74			66.57	744.00	8.09	93.10	93.22
69.0	12-Nov-96		132	North I-195 Basin	25.81667	-80.16667	1996.86	BB	NBAY	0.86	11	1996	1996-11	0.0067	0.0051	0.0016	0.0077	0.2555	0.0144	0.2411	0.0065	0.0002	0.0369	0.8085	4.2323		29.20	29.30	21.40	21.40	7.40	7.40	0.68			86.90	205.50	4.89	99.37	99.44
69.0	12-Nov-96		133	North Normandy Isle	25.86667	-80.15000	1996.86	BB	NBAY	0.86	11	1996	1996-11	0.0120	0.0096	0.0023	0.0097	0.2049	0.0216	0.1832	0.0095	0.0002	0.0361	1.7832	3.0850		33.60	33.60	22.50	22.60	6.40	6.40	4.13			47.98	309.00	5.07	89.75	89.87
69.0	12-Nov-96		134	Oleta River Park	25.90500	-80.13333	1996.86	BB	NBAY	0.86	11	1996	1996-11	0.0193	0.0163	0.0030	0.0092	0.1726	0.0285	0.1442	0.0071	0.0006	0.0189	1.8013	2.6735		34.20	34.60	23.30	23.40	6.30	6.30	1.94			53.61	101.63	8.84	89.58	89.92
69.0	13-Nov-96		135	South Card Sound	25.31667	-80.31667	1996.87	BB	SCARD	0.87	11	1996	1996-11	0.0230	0.0211	0.0019	0.0086	0.3174	0.0316	0.2858	0.0053	0.0002	0.0870	0.6380	4.0658		28.90	28.90	20.80	20.80	7.40	7.40	3.20			131.44	301.00	13.09	98.35	98.35
70.0	04-Dec-96		101	Convoy Point	25.47833	-80.32083	1996.92	BB	AS	0.92	12	1996	1996-12	0.0737	0.0678	0.0060	0.0299	0.5210	0.1036	0.4174	0.0034	0.0000	0.2707	0.2264	4.9640		24.30	27.00	23.90	23.90	6.70	7.00	0.10			338.29		67.27	89.97	95.66
70.0	04-Dec-96		102	Black Point	25.54583	-80.29467	1996.92	BB	AS	0.92	12	1996	1996-12	0.0504	0.0456	0.0048	0.0180	0.4784	0.0684	0.4100	0.0043	0.0000	0.2254	0.2511	5.0570		25.90	25.90	23.90	23.90	7.30	7.40	0.15			248.52		35.53	99.05	100.41
70.0	04-Dec-96		103	Near Black Ledge	25.57333	-80.28667	1996.92	BB	IS	0.92	12	1996	1996-12	0.0015	0.0000	0.0015	0.0090	0.4165	0.0104	0.4060	0.0051	0.0001	0.3255	0.0881	6.0750		29.80	29.80	24.00	24.00	7.10	7.10	0.29			180.29	298.00	4.52	98.92	98.92
70.0	03-Dec-96		104	BNP Marker C	25.60167	-80.22083	1996.92	BB	MAIN	0.92	12	1996	1996-12	0.0020	0.0006	0.0014	0.0056	0.2095	0.0077	0.2019	0.0051	0.0012	0.0659	0.2322	2.7795		35.70	35.80	22.80	22.60	6.60	6.60	1.00			90.71	13.69	3.32	94.19	94.02
70.0	03-Dec-96		108	Marker G-1B	25.56917	-80.19250	1996.92	BB	MAIN	0.92	12	1996	1996-12	0.0010	0.0000	0.0010	0.0046	0.1737	0.0056	0.1681	0.0044	0.0002	0.0455	0.1433	3.0055		35.70	35.70	23.20	23.20	6.60	6.40	0.60			87.09	80.50	2.82	94.65	91.78
70.0	03-Dec-96		109	Midbay North	25.56417	-80.23500	1996.92	BB	MAIN	0.92	12	1996	1996-12	0.0048	0.0029	0.0020	0.0078	0.2275	0.0127	0.2148	0.0036	0.0000	0.0611	0.1968	3.6375		34.60	34.60	22.80	22.70	6.80	6.90	0.82			138.29		7.70	96.35	97.65
70.0	04-Dec-96		110	Fender Point	25.50500	-80.28750	1996.92	BB	IS	0.92	12	1996	1996-12	0.0477	0.0447	0.0030	0.0163	0.2749	0.0641	0.2108	0.0036	0.0003	0.0626	0.1976	3.1093		30.50	30.50	23.60	23.60	6.90	6.90	0.20			167.11	457.50	38.94	96.12	96.12
70.0	04-Dec-96		111	Featherbed Bank	25.51583	-80.24000	1996.92	BB	MAIN	0.92	12	1996	1996-12	0.0048	0.0031	0.0017	0.0084	0.2065	0.0132	0.1933	0.0040	0.0000	0.0579	0.1013	2.6398		35.20	35.20	22.80	22.80	6.70	6.70	0.30			115.69		7.37	95.31	95.31
70.0	04-Dec-96		112	Sands Cut	25.48833	-80.18833	1996.92	BB	MAIN	0.92	12	1996	1996-12	0.0004	0.0000	0.0004	0.0023	0.1581	0.0027	0.1553	0.0045	0.0001	0.0571	0.1655	2.9835		35.90	35.90	23.50	23.50	6.30	6.30	0.35			77.86	78.00	1.34	90.79	90.79
70.0	04-Dec-96		113	Elliott Key	25.44167	-80.22333	1996.92	BB	MAIN	0.92	12	1996	1996-12	0.0146	0.0132	0.0013	0.0125	0.2152	0.0271	0.1881	0.0036	0.0001	0.0704	0.2519	3.2795		34.20	34.20	22.90	23.00	6.60	6.60	0.35			133.65	774.00	16.83	93.39	93.50
70.0	04-Dec-96		116	Rubicon Keys	25.40000	-80.25500	1996.92	BB	MAIN	0.92	12	1996	1996-12	0.0195	0.0182	0.0013	0.0100	0.2318	0.0295	0.2022	0.0034	0.0001	0.0604	0.2396	3.8495		32.50	32.50	23.40	23.40	6.30	6.40	0.10			150.49	844.00	19.18	88.70	90.10
70.0	04-Dec-96		121	Card Sound North	25.35500	-80.29167	1996.92	BB	SCARD	0.92	12	1996	1996-12	0.0208	0.0191	0.0017	0.0187	0.2894	0.0396	0.2498	0.0041	0.0002	0.0657	0.2495	5.3378		30.30	30.50	23.10	23.20	6.60	6.70	0.15			156.00	565.00	21.32	91.26	92.88
70.0	04-Dec-96		122	West Arsenicker	25.42017	-80.31083	1996.92	BB	IS	0.92	12	1996	1996-12	0.0243	0.0214	0.0030	0.0228	0.3793	0.0471	0.3321	0.0050	0.0000	0.3080	0.2783	6.1095		27.10	27.10	23.40	23.40	6.50	6.60	0.30			166.71		20.72	88.35	89.71
70.0	04-Dec-96		123	Pelican Bank	25.44500	-80.28333	1996.92	BB	MAIN	0.92	12	1996	1996-12	0.0441	0.0420	0.0021	0.0206	0.3225	0.0647	0.2579	0.0043	0.0000	0.0939	0.2338	4.9603		29.60	31.30	23.10	23.60	6.50	6.00	0.70			164.56		33.00	89.47	84.02
70.0	04-Dec-96		124	Midbay South	25.47250	-80.23333	1996.92	BB	MAIN	0.92	12	1996	1996-12	0.0089	0.0079	0.0010	0.0166	0.1997	0.0255	0.1742	0.0041	0.0000	0.0655	0.2272	3.7740		34.30	34.70	23.00	23.00	6.50	6.60	0.75			107.64		13.75	92.15	93.81
70.0	03-Dec-96		126	BNP Marker B	25.67167	-80.20500	1996.92	BB	MAIN	0.92	12	1996	1996-12	0.0047	0.0030	0.0018	0.0113	0.1993	0.0161	0.1833	0.0052	0.0000	0.0582	0.1729	4.1493		32.60	34.90	22.90	22.30	6.50	6.70	0.82			85.01		6.85	91.02	94.53
70.0	03-Dec-96		127	Shoal Point	25.63000	-80.25000	1996.92	BB	IS	0.92	12	1996	1996-12	0.0053	0.0035	0.0018	0.0112	0.2061	0.0165	0.1896	0.0034	0.0000	0.0539	0.1943	4.5158		33.20	33.30	24.00	22.80	6.00	7.10	0.56			133.82		10.73	85.46	99.75
70.0	03-Dec-96		128	Matheson Beach	25.68833	-80.23333	1996.92	BB	IS	0.92	12	1996	1996-12	0.0818	0.0795	0.0023	0.0198	0.2875	0.1016	0.1859	0.0109	0.0011	0.0357	0.7072	4.5085		31.50	33.20	24.20	22.50	5.80	6.60	0.68			58.68	207.43	20.74	81.89	92.32
70.0	03-Dec-96		129	Marker G-71	25.73667	-80.18500	1996.92	BB	MAIN	0.92	12	1996	1996-12	0.0083	0.0067	0.0016	0.0176	0.2140	0.0260	0.1880	0.0060	0.0000	0.0951	0.4495	4.2708		32.80	33.20	23.10	22.30	6.30	6.30	1.60			79.39		9.64	88.55	87.90
70.0	03-Dec-96		130	South Dodge Island	25.76333	-80.17167	1996.92	BB	NBAY	0.92	12	1996	1996-12	0.0190	0.0170	0.0020	0.0252	0.2330	0.0442	0.1887	0.0064	0.0000	0.0902	0.6652	4.1660		32.60	34.00	22.70	22.40	5.90	6.10	2.65			80.20		15.23	82.41	85.66
70.0	03-Dec-96		131	North Venetian Basin	25.80000	-80.16667	1996.92	BB	NBAY	0.92	12	1996	1996-12	0.0215	0.0193	0.0022	0.0167	0.2477	0.0382	0.2095	0.0074	0.0001	0.0422	0.4487	4.2090		32.60	32.70	23.50	22.50	6.10	6.30	0.92			73.71	1091.00	11.36	86.04	87.83
70.0	03-Dec-96		132	North I-195 Basin	25.81667	-80.16667	1996.92	BB	NBAY	0.92	12	1996	1996-12	0.0295	0.0272	0.0023	0.0198	0.2301	0.0493	0.1808	0.0072	0.0000	0.0318	0.2939	4.4193		32.20	32.70	22.50	22.30	5.70	6.20	0.82			70.71		15.15	79.21	86.22
70.0	03-Dec-96		133	North Normandy Isle	25.86667	-80.15000	1996.92	BB	NBAY	0.92	12	1996	1996-12	0.0218	0.0192	0.0026	0.0208	0.2234	0.0427	0.1808	0.0091	0.0000	0.0419	0.8118	4.1953		32.60	33.80	22.10	22.40	6.40	6.00	1.20			54.10		10.33	88.71	84.15
70.0	03-Dec-96		134	Oleta River Park	25.90500	-80.13333	1996.92	BB	NBAY	0.92	12	1996	1996-12	0.0246	0.0220	0.0026	0.0139	0.2885	0.0385	0.2500	0.0120	0.0034	0.0310	1.3345	3.7928		33.30	35.60	23.10	22.80	5.90	6.10	1.21			53.18	24.98	7.09	83.20	87.00
70.0	04-Dec-96		135	South Card Sound	25.31667	-80.31667	1996.92	BB	SCARD	0.92	12	1996	1996-12	0.0327	0.0303	0.0023	0.0135	0.2580	0.0462	0.2117	0.0035	0.0001	0.0641	0.2989	4.5785		29.70	30.40	23.10	23.20	6.80	6.90	0.15			163.78	1321.00	29.36	93.66	95.59
71.0	23-Jan-97		101	Convoy Point	25.47833	-80.32083	1997.06	BB	AS	0.06	01	1997	1997-01	0.1731	0.1687	0.0045	0.0138	0.6618	0.1870	0.4749	0.0031	0.0001	0.1187	0.3614	4.2083		29.00	29.50	17.60	17.40	8.10	8.30	0.35			472.74	5342.00	133.55	102.54	105.08
71.0	23-Jan-97		102	Black Point	25.54583	-80.29467	1997.06	BB	AS	0.06	01	1997	1997-01	0.0476	0.0451	0.0025	0.0073	0.4798	0.0548	0.4249	0.0047	0.0003	0.1785	0.1589	5.0568		26.20	26.10	17.00	16.90	9.20	9.60	0.20			224.72	391.75	25.69	113.12	117.75
71.0	23-Jan-97		103	Near Black Ledge	25.57333	-80.28667	1997.06	BB	IS	0.06	01	1997	1997-01	0.0023	0.0014	0.0009	0.0076	0.4696	0.0098	0.4597	0.0043	0.0002	0.1568	0.1482	5.1465		29.30	29.30	17.30	17.20	9.50	9.00	0.10			239.57	140.50	5.02	120.39	113.40
71.0	22-Jan-97		104	BNP Marker C	25.60167	-80.22083	1997.06	BB	MAIN	0.06	01	1997	1997-01	0.0067	0.0058	0.0008	0.0041	0.3290	0.0108	0.3183	0.0047	0.0000	0.0466	0.1844	3.2713		34.90	34.90	16.00	16.00	9.70	9.80	0.75			156.69		5.13	124.36	125.64
71.0	22-Jan-97		108	Marker G-1B	25.56917	-80.19250	1997.06	BB	MAIN	0.06	01	1997	1997-01	0.0061	0.0050	0.0012	0.0051	0.3172	0.0113	0.3059	0.0053	0.0002	0.0605	0.3507	3.4203		34.60	34.60	16.50	16.50	9.70	9.90	0.50			131.35	161.00	4.67	125.20	127.78
71.0	22-Jan-97		109	Midbay North	25.56417	-80.23500	1997.06	BB	MAIN	0.06	01	1997	1997-01	0.0211	0.0197	0.0014	0.0043	0.3022	0.0254	0.2768	0.0046	0.0003	0.0472	0.2009	2.4468		34.50	34.50	16.30	16.20	9.90	10.20	0.45			146.37	181.75	12.32	127.25	130.88
71.0	23-Jan-97		110	Fender Point	25.50500	-80.28750	1997.06	BB	IS	0.06	01	1997	1997-01	0.1794	0.1753	0.0041	0.0103	0.5475	0.1897	0.3578	0.0043	0.0003	0.0775	0.3120	4.0683		29.40	29.50	17.20	17.10	8.20	8.50	0.30			284.41	1355.00	98.55	103.39	107.07
71.0	23-Jan-97		111	Featherbed Bank	25.51583	-80.24000	1997.06	BB	MAIN	0.06	01	1997	1997-01	0.0021	0.0015	0.0006	0.0030	0.3037	0.0052	0.2985	0.0049	0.0002	0.0595	0.3252	3.2283		35.10	35.10	16.60	16.40	7.90	8.10	0.60			137.73	49.33	2.35	102.49	104.72
71.0	23-Jan-97		112	Sands Cut	25.48833	-80.18833	1997.06	BB	MAIN	0.06	01	1997	1997-01	0.0024	0.0020	0.0004	0.0015	0.3169	0.0039	0.3130	0.0053	0.0002	0.0671	0.4034	3.3318		34.90	34.90	17.30	17.30	7.70	8.40	0.90			131.22	55.50	1.61	100.95	110.13
71.0	23-Jan-97		113	Elliott Key	25.44167	-80.22333	1997.06	BB	MAIN	0.06	01	1997	1997-01	0.0434	0.0419	0.0015	0.0088	0.3694	0.0522	0.3172	0.0047	0.0001	0.0580	0.2906	2.8090		34.30	35.30	17.20	17.90	7.70	8.10	0.60			173.03	1492.00	24.46	100.37	107.54
71.0	23-Jan-97		116	Rubicon Keys	25.40000	-80.25500	1997.06	BB	MAIN	0.06	01	1997	1997-01	0.0757	0.0736	0.0021	0.0088	0.4242	0.0845	0.3396	0.0034	0.0002	0.0425	0.2618	3.0805		32.40	34.10	17.20	17.00	8.00	8.20	0.50			275.43	805.00	54.89	102.95	106.39
71.0	23-Jan-97		121	Card Sound North	25.35500	-80.29167	1997.06	BB	SCARD	0.06	01	1997	1997-01	0.0159	0.0146	0.0013	0.0063	0.3507	0.0222	0.3285	0.0039	0.0005	0.0610	0.2330	4.3908		32.60	32.70	17.80	17.30	8.00	8.20	0.40			200.38	90.43	12.66	104.12	105.91
71.0	23-Jan-97		122	West Arsenicker	25.42017	-80.31083	1997.06	BB	IS	0.06	01	1997	1997-01	0.1838	0.1786	0.0052	0.0128	0.5411	0.1966	0.3445	0.0049	0.0012	0.1069	0.2412	4.7390		27.00	27.80	18.20	17.80	8.50	9.00	0.15			245.42	351.13	89.17	107.22	113.39
71.0	23-Jan-97		123	Pelican Bank	25.44500	-80.28333	1997.06	BB	MAIN	0.06	01	1997	1997-01	0.1177	0.1148	0.0029	0.0133	0.4491	0.1311	0.3180	0.0044	0.0011	0.0419	0.2091	3.8428		31.10	32.20	17.40	17.40	8.10	7.90	0.85			225.09	267.50	65.70	103.67	101.86
71.0	23-Jan-97		124	Midbay South	25.47250	-80.23333	1997.06	BB	MAIN	0.06	01	1997	1997-01	0.0044	0.0041	0.0004	0.0027	0.3093	0.0072	0.3021	0.0033	0.0001	0.0368	0.1391	3.0945		35.90	36.10	17.20	16.70	7.80	7.90	0.65			210.38	205.00	4.88	102.79	103.37
71.0	22-Jan-97		126	BNP Marker B	25.67167	-80.20500	1997.06	BB	MAIN	0.06	01	1997	1997-01	0.0098	0.0089	0.0009	0.0061	0.2924	0.0159	0.2765	0.0046	0.0000	0.1308	0.5837	3.6668		33.60	33.80	16.90	16.70	9.10	9.10	0.30			141.60		7.71	117.46	117.22
71.0	22-Jan-97		127	Shoal Point	25.63000	-80.25000	1997.06	BB	IS	0.06	01	1997	1997-01	0.0035	0.0032	0.0004	0.0013	0.2814	0.0049	0.2765	0.0040	0.0001	0.0710	0.2124	3.8418		32.90	32.90	16.80	16.80	10.50	10.70	0.15			157.65	139.00	2.73	134.66	137.22

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
71.0	22-Jan-97		128	Matheson Beach	25.68833	-80.23333	1997.06	BB	IS	0.06	01	1997	1997-01	0.0169	0.0159	0.0010	0.0035	0.3341	0.0205	0.3136	0.0064	0.0011	0.1427	1.4136	3.9443		31.40	31.40	15.90	15.90	9.60	9.80	0.40			115.01	41.79	7.05	119.95	122.45
71.0	22-Jan-97		129	Marker G-71	25.73667	-80.18500	1997.06	BB	MAIN	0.06	01	1997	1997-01	0.0080	0.0071	0.0009	0.0036	0.2109	0.0117	0.1993	0.0063	0.0005	0.0436	1.1806	3.0443		34.50	34.50	19.00	19.10	8.70	8.70	0.85			74.40	55.50	4.11	116.89	117.07
71.0	22-Jan-97		130	South Dodge Island	25.76333	-80.17167	1997.06	BB	NBAY	0.06	01	1997	1997-01	0.0081	0.0073	0.0008	0.0058	0.1897	0.0139	0.1758	0.0071	0.0004	0.0351	1.1007	2.8483		35.00	35.00	19.80	19.80	8.60	8.60	1.00			59.57	79.60	4.37	117.33	117.33
71.0	22-Jan-97		131	North Venetian Basin	25.80000	-80.16667	1997.06	BB	NBAY	0.06	01	1997	1997-01	0.0139	0.0129	0.0009	0.0069	0.2650	0.0207	0.2442	0.0067	0.0001	0.0398	1.0826	3.4393		32.60	32.60	17.70	17.60	9.10	9.20	0.55			87.01	592.00	6.80	118.24	119.34
71.0	22-Jan-97		132	North I-195 Basin	25.81667	-80.16667	1997.06	BB	NBAY	0.06	01	1997	1997-01	0.0043	0.0041	0.0002	0.0034	0.2777	0.0078	0.2700	0.0061	0.0001	0.0602	0.6479	3.9715		31.00	31.00	16.50	16.50	10.20	10.40	0.15			100.44	222.00	2.81	128.46	130.98
71.0	22-Jan-97		133	North Normandy Isle	25.86667	-80.15000	1997.06	BB	NBAY	0.06	01	1997	1997-01	0.0176	0.0151	0.0026	0.0100	0.2728	0.0277	0.2451	0.0071	0.0000	0.0654	0.8842	3.2335		33.40	33.40	17.70	17.60	8.70	8.80	1.00			84.72		8.60	113.66	114.78
71.0	22-Jan-97		134	Oleta River Park	25.90500	-80.13333	1997.06	BB	NBAY	0.06	01	1997	1997-01	0.0270	0.0245	0.0025	0.0115	0.2644	0.0385	0.2259	0.0071	0.0003	0.0233	1.2893	3.0600		34.50	34.70	20.70	20.80	8.40	8.30	0.35			82.11	274.75	11.95	115.70	114.64
71.0	23-Jan-97		135	South Card Sound	25.31667	-80.31667	1997.06	BB	SCARD	0.06	01	1997	1997-01	0.0110	0.0097	0.0013	0.0049	0.3101	0.0159	0.2942	0.0042	0.0002	0.0466	0.2865	4.1095		33.00	33.00	18.00	17.40	7.80	8.20	0.30			164.06	151.00	8.39	102.12	106.31
72.0	05-Feb-97		101	Convoy Point	25.47833	-80.32083	1997.10	BB	AS	0.10	02	1997	1997-02	0.0227	0.0195	0.0032	0.0083	0.3844	0.0310	0.3534	0.0032	0.0011	0.3320	0.1769	4.9160		26.70	26.70	24.50	24.60	9.10	9.20	0.65			267.88	63.29	21.61	124.98	126.50
72.0	05-Feb-97		102	Black Point	25.54583	-80.29467	1997.10	BB	AS	0.10	02	1997	1997-02	0.0023	0.0015	0.0007	0.0042	0.4414	0.0065	0.4349	0.0060	0.0009	0.3903	0.2316	5.6555		26.60	26.60	24.20	24.20	8.60	8.90	0.40			161.69	15.42	2.37	117.63	121.74
72.0	05-Feb-97		103	Near Black Ledge	25.57333	-80.28667	1997.10	BB	IS	0.10	02	1997	1997-02	0.0017	0.0009	0.0007	0.0036	0.3714	0.0053	0.3662	0.0053	0.0005	0.3381	0.1479	5.1643		28.00	28.00	24.50	24.50	8.90	9.10	0.40			156.07	21.43	2.21	123.27	126.04
72.0	06-Feb-97		104	BNP Marker C	25.60167	-80.22083	1997.10	BB	MAIN	0.10	02	1997	1997-02	0.0017	0.0010	0.0007	0.0034	0.2142	0.0051	0.2091	0.0063	0.0002	0.0477	0.2010	3.3020		35.10	35.10	22.40	22.30	6.60	6.80	1.30			75.55	72.50	1.79	93.36	96.06
72.0	05-Feb-97		108	Marker G-1B	25.56917	-80.19250	1997.10	BB	MAIN	0.10	02	1997	1997-02	0.0007	0.0002	0.0005	0.0016	0.1873	0.0023	0.1851	0.0069	0.0000	0.0555	0.1061	3.6218		35.50	35.50	23.30	23.30	7.60	7.70	0.70			60.14		0.73	108.98	110.41
72.0	05-Feb-97		109	Midbay North	25.56417	-80.23500	1997.10	BB	MAIN	0.10	02	1997	1997-02	0.0009	0.0004	0.0005	0.0008	0.1801	0.0017	0.1784	0.0062	0.0000	0.0781	0.1126	2.2630		35.90	35.90	22.70	22.70	7.60	7.70	0.90			64.33		0.61	108.47	109.90
72.0	05-Feb-97		110	Fender Point	25.50500	-80.28750	1997.10	BB	IS	0.10	02	1997	1997-02	0.0220	0.0202	0.0018	0.0030	0.2828	0.0250	0.2578	0.0050	0.0006	0.1916	0.2734	3.6348		29.10	29.10	24.10	24.10	8.00	8.30	0.65			124.30	89.38	11.00	111.08	115.25
72.0	05-Feb-97		111	Featherbed Bank	25.51583	-80.24000	1997.10	BB	MAIN	0.10	02	1997	1997-02	0.0009	0.0005	0.0004	0.0023	0.2040	0.0032	0.2008	0.0050	0.0012	0.0720	0.1142	3.6870		35.20	35.20	23.00	23.00	7.20	7.50	1.10			89.65	5.69	1.40	102.67	106.95
72.0	05-Feb-97		112	Sands Cut	25.48833	-80.18833	1997.10	BB	MAIN	0.10	02	1997	1997-02	0.0009	0.0005	0.0004	0.0021	0.2034	0.0030	0.2004	0.0053	0.0000	0.0794	0.1110	3.4260		35.20	35.20	22.70	22.70	7.40	7.60	0.55			84.24		1.25	105.13	107.98
72.0	05-Feb-97		113	Elliott Key	25.44167	-80.22333	1997.10	BB	MAIN	0.10	02	1997	1997-02	0.0061	0.0055	0.0006	0.0062	0.2018	0.0124	0.1894	0.0056	0.0000	0.0846	0.1479	3.3788		35.00	34.90	22.60	22.60	7.30	7.40	0.45			80.07		4.90	103.45	104.80
72.0	05-Feb-97		116	Rubicon Keys	25.40000	-80.25500	1997.10	BB	MAIN	0.10	02	1997	1997-02	0.0026	0.0020	0.0007	0.0020	0.1886	0.0046	0.1839	0.0047	0.0000	0.0699	0.1286	3.4460		34.50	34.50	22.60	22.60	7.80	7.90	0.55			88.32		2.16	110.17	111.59
72.0	05-Feb-97		121	Card Sound North	25.35500	-80.29167	1997.10	BB	SCARD	0.10	02	1997	1997-02	0.0021	0.0016	0.0005	0.0017	0.2035	0.0038	0.1997	0.0049	0.0001	0.0911	0.1238	3.7460		33.60	33.70	22.60	22.60	7.30	7.50	0.85			91.44	109.00	1.71	102.51	105.38
72.0	05-Feb-97		122	West Arsenicker	25.42017	-80.31083	1997.10	BB	IS	0.10	02	1997	1997-02	0.0412	0.0391	0.0021	0.0075	0.3533	0.0487	0.3046	0.0047	0.0010	0.1895	0.2348	4.5785		27.30	27.30	22.90	22.90	7.50	7.60	0.65			168.24	107.08	23.20	101.45	102.80
72.0	05-Feb-97		123	Pelican Bank	25.44500	-80.28333	1997.10	BB	MAIN	0.10	02	1997	1997-02	0.0358	0.0343	0.0015	0.0077	0.3050	0.0435	0.2614	0.0044	0.0005	0.0993	0.2283	3.9955		30.60	30.80	22.60	22.60	7.40	7.50	0.65			152.88	207.33	21.82	101.89	103.40
72.0	05-Feb-97		124	Midbay South	25.47250	-80.23333	1997.10	BB	MAIN	0.10	02	1997	1997-02	0.0131	0.0121	0.0010	0.0076	0.2267	0.0207	0.2061	0.0042	0.0000	0.0799	0.1576	3.2748		34.10	34.10	22.50	22.50	7.60	7.70	0.40			119.97		10.94	106.93	108.34
72.0	06-Feb-97		126	BNP Marker B	25.67167	-80.20500	1997.10	BB	MAIN	0.10	02	1997	1997-02	0.0053	0.0047	0.0007	0.0045	0.1981	0.0098	0.1883	0.0053	0.0006	0.0417	0.2798	3.3875		34.50	34.80	22.40	22.40	6.50	6.80	1.70			82.05	35.13	4.07	91.58	96.00
72.0	06-Feb-97		127	Shoal Point	25.63000	-80.25000	1997.10	BB	IS	0.10	02	1997	1997-02	0.0022	0.0015	0.0007	0.0034	0.3221	0.0056	0.3165	0.0060	0.0004	0.0722	0.1930	4.0988		32.00	31.40	22.80	22.70	6.40	6.90	0.20			119.53	32.20	2.09	89.15	95.62
72.0	06-Feb-97		128	Matheson Beach	25.68833	-80.23333	1997.10	BB	IS	0.10	02	1997	1997-02	0.0027	0.0019	0.0008	0.0034	0.2536	0.0061	0.2475	0.0053	0.0008	0.0541	0.2830	4.3398		31.50	31.50	24.10	24.00	8.50	8.60	0.15			105.00	17.40	2.52	119.88	121.15
72.0	06-Feb-97		129	Marker G-71	25.73667	-80.18500	1997.10	BB	MAIN	0.10	02	1997	1997-02	0.0022	0.0015	0.0007	0.0039	0.2269	0.0061	0.2208	0.0060	0.0007	0.0456	0.4872	2.8128		33.80	33.70	22.80	22.80	6.80	6.70	2.70			84.20	19.44	2.27	95.85	94.38
72.0	06-Feb-97		130	South Dodge Island	25.76333	-80.17167	1997.10	BB	NBAY	0.10	02	1997	1997-02	0.0039	0.0029	0.0010	0.0071	0.2310	0.0111	0.2199	0.0087	0.0002	0.0349	0.5098	3.6675		33.70	34.60	23.00	23.00	6.50	6.30	4.55			58.93	105.33	2.82	91.79	89.49
72.0	06-Feb-97		131	North Venetian Basin	25.80000	-80.16667	1997.10	BB	NBAY	0.10	02	1997	1997-02	0.0084	0.0072	0.0012	0.0076	0.2416	0.0160	0.2255	0.0078	0.0003	0.0294	0.5098	3.7745		33.20	33.80	23.30	23.10	6.20	6.40	2.35			69.02	114.50	4.58	87.58	90.54
72.0	06-Feb-97		132	North I-195 Basin	25.81667	-80.16667	1997.10	BB	NBAY	0.10	02	1997	1997-02	0.0030	0.0020	0.0010	0.0026	0.2439	0.0057	0.2382	0.0069	0.0004	0.0399	0.5612	4.0520		32.60	32.50	23.30	23.20	5.90	6.10	0.55			78.28	32.40	1.82	83.02	85.67
72.0	06-Feb-97		133	North Normandy Isle	25.86667	-80.15000	1997.10	BB	NBAY	0.10	02	1997	1997-02	0.0284	0.0252	0.0032	0.0141	0.2112	0.0424	0.1687	0.0088	0.0007	0.0469	0.8716	4.7865		29.60	33.60	23.60	23.60	6.80	6.20	0.95			53.39	134.67	10.73	94.17	88.12
72.0	06-Feb-97		134	Oleta River Park	25.90500	-80.13333	1997.10	BB	NBAY	0.10	02	1997	1997-02	0.0184	0.0162	0.0022	0.0150	0.2207	0.0334	0.1873	0.0075	0.0004	0.0293	0.5500	3.8803		33.00	35.10	23.70	23.50	6.40	6.60	0.90			65.01	190.80	9.84	90.72	94.62
72.0	05-Feb-97		135	South Card Sound	25.31667	-80.31667	1997.10	BB	SCARD	0.10	02	1997	1997-02	0.0025	0.0018	0.0006	0.0029	0.2418	0.0054	0.2365	0.0047	0.0000	0.1024	0.2107	3.5820		32.20	32.20	22.20	22.20	7.50	7.60	0.15			113.27		2.51	103.82	105.21
73.0	05-Mar-97		101	Convoy Point	25.47833	-80.32083	1997.17	BB	AS	0.17	03	1997	1997-03	0.0041	0.0036	0.0005	0.0029	0.3832	0.0070	0.3762	0.0051	0.0001	0.2524	0.2042	3.4515	0.0286	34.80	34.30	26.50	26.50	6.50	6.50	0.65			165.87	199.00	3.02	96.03	95.73
73.0	05-Mar-97		102	Black Point	25.54583	-80.29467	1997.17	BB	AS	0.17	03	1997	1997-03	0.0029	0.0025	0.0004	0.0027	0.4153	0.0056	0.4096	0.0049	0.0003	0.2097	0.1343	3.9930	0.0840	33.10	33.00	26.40	26.40	7.10	7.40	0.25			188.32	40.25	2.56	103.67	107.98
73.0	04-Mar-97		103	Near Black Ledge	25.57333	-80.28667	1997.17	BB	IS	0.17	03	1997	1997-03	0.0018	0.0008	0.0010	0.0052	0.4902	0.0070	0.4832	0.0045	0.0011	0.2109	0.1367	5.0403	0.1270	28.50	28.50	26.90	27.00	7.50	7.70	0.15			241.50	14.29	3.45	106.86	109.81
73.0	04-Mar-97		104	BNP Marker C	25.60167	-80.22083	1997.17	BB	MAIN	0.17	03	1997	1997-03	0.0014	0.0008	0.0006	0.0065	0.2972	0.0080	0.2892	0.0062	0.0009	0.0517	0.1327	2.0258	0.0182	35.90	35.90	25.60	25.60	6.40	6.50	1.00			106.13	19.00	2.85	94.38	95.85
73.0	04-Mar-97		108	Marker G-1B	25.56917	-80.19250	1997.17	BB	MAIN	0.17	03	1997	1997-03	0.0014	0.0007	0.0007	0.0048	0.2215	0.0062	0.2153	0.0057	0.0005	0.0362	0.1214	1.8813	0.0449	36.20	36.20	26.10	26.10	6.40	6.70	0.45			86.70	25.29	2.42	95.04	99.49
73.0	04-Mar-97		109	Midbay North	25.56417	-80.23500	1997.17	BB	MAIN	0.17	03	1997	1997-03	0.0011	0.0005	0.0006	0.0052	0.2552	0.0063	0.2489	0.0053	0.0000	0.0547	0.1311	2.1200	0.0202	35.90	35.90	25.90	25.90	6.60	6.80	0.65			107.22		2.63	97.62	100.58
73.0	05-Mar-97		110	Fender Point	25.50500	-80.28750	1997.17	BB	IS	0.17	03	1997	1997-03	0.0016	0.0008	0.0008	0.0078	0.2702	0.0094	0.2609	0.0068	0.0000	0.1656	0.1721	3.1688	0.0212	33.70	33.80	26.30	26.30	6.70	6.90	0.50			87.74		3.05	98.11	101.10
73.0	05-Mar-97		111	Featherbed Bank	25.51583	-80.24000	1997.17	BB	MAIN	0.17	03	1997	1997-03	0.0016	0.0006	0.0009	0.0047	0.2383	0.0063	0.2320	0.0064	0.0000	0.0863	0.1737	2.2618	0.0169	35.40	35.20	25.70	25.80	6.50	6.50	0.75			82.02		2.17	95.64	95.62
73.0	05-Mar-97		112	Sands Cut	25.48833	-80.18833	1997.17	BB	MAIN	0.17	03	1997	1997-03	0.0013	0.0009	0.0004	0.0042	0.2192	0.0054	0.2138	0.0063	0.0000	0.0730	0.1640	2.1208	0.0420	36.10	36.00	25.90	25.90	6.50	6.50	0.65			77.32		1.91	96.27	96.21
73.0	05-Mar-97		113	Elliott Key	25.44167	-80.22333	1997.17	BB	MAIN	0.17	03	1997	1997-03	0.0052	0.0046	0.0006	0.0109	0.2764	0.0161	0.2603	0.0051	0.0007	0.0806	0.1761	2.3595	0.0070	36.10	33.00	25.60	25.60	6.20	6.30	0.35			119.65	51.00	6.95	91.55	91.19
73.0	05-Mar-97		116	Rubicon Keys	25.40000	-80.25500	1997.17	BB	MAIN	0.17	03	1997	1997-03	0.0051	0.0042	0.0008	0.0054	0.2554	0.0104	0.2449	0.0053	0.0002	0.0665	0.1375	2.1968	0.0176	35.90	35.90	25.60	25.60	6.30	6.40	0.40			105.74	99.33	4.32	92.91	94.38
73.0	05-Mar-97		121	Card Sound North	25.35500	-80.29167	1997.17	BB	SCARD	0.17	03	1997	1997-03	0.0040	0.0032	0.0008	0.0060	0.2250	0.0099	0.2150	0.0053	0.0004	0.0817	0.1873	2.3828	0.0640	35.50	30.80	25.40	25.30	5.70	5.70	0.35			93.16	56.80	4.12	83.67	81.09
73.0	05-Mar-97		122	West Arsenicker	25.42017	-80.31083	1997.17	BB	IS	0.17	03	1997	1997-03	0.0035	0.0028	0.0007	0.0060	0.2260	0.0095	0.2166	0.0057	0.0000	0.1094	0.2115	2.4150	0.0144	35.50	35.50	25.40	25.50	6.20	6.00	0.30			88.46		3.70	91.01	88.16
73.0	05-Mar-97		123	Pelican Bank	25.44500	-80.28333	1997.17	BB	MAIN	0.17	03	1997	1997-03	0.0043	0.0039	0.0005	0.0042	0.2130	0.0085	0.2045	0.0052	0.0001	0.1031	0.2018	2.3663	0.0166	35.60	35.70	25.20	25.20	6.80	6.80	0.35			90.81	243.00	3.63	99.67	99.74
73.0	05-Mar-97		124	Midbay South	25.47250	-80.23333	1997.17	BB	MAIN	0.17	03	1997	1997-03	0.0044	0.0039	0.0005	0.0076	0.2414	0.0120	0.2294	0.0046	0.0000	0.0897	0.1946	2.3010	0.0004	35.80	35.80	25.60	25.60	6.40	6.40	0.25			116.90		5.81	94.32	94.32
73.0	04-Mar-97		126	BNP Marker B	25.67167	-80.20500	1997.17	BB	MAIN	0.17	03	1997	1997-03	0.0020	0.0013	0.0007	0.0058	0.2948	0.0078	0.2870	0.0050	0.0000	0.0599	0.2107	2.2023	0.0651	35.70	35.70	25.80	25.70	6.40	6.60	1.60			129.57		3.43	94.45	97.30
73.0	04-Mar-97		127	Shoal Point	25.63000	-80.25000	1997.17	BB	IS	0.17	03	1997	1997-03	0.0132	0.0118	0.0014	0.0118	0.3808	0.0250	0.3558	0.0062	0.0005	0.1093	0.1383	4.3360	0.0838	28.20	29.10	26.90	26.70	6.40	6.70	0.05			136.01	102.14	8.94	91.01	95.64
73.0	04-Mar-97		128	Matheson Beach	25.68833	-80.23333	1997.17	BB	IS	0.17	03	1997	1997-03	0.0133	0.0120	0.0012	0.0112	0.4286	0.0244	0.4041	0.0077	0.0006	0.0811	0.4422	4.2563	0.1241	29.20	31.30	25.60	26.00	6.20	6.30	0.35			123.69	87.25	7.05	87.58	90.57
73.0	04-Mar-97		129	Marker G-71	25.73667	-80.18500	1997.17	BB	MAIN	0.17	03	1997	1997-03	0.0008	0.0001	0.0007	0.0079	0.3469	0.0088	0.3381	0.0071	0.0006	0.0713	0.2774	3.5525	0.0635	31.30	31.50	25.40	25.40	6.50	6.30	1.15			107.73	31.25	2.72	92.87	90.13
73.0	04-Mar-97		130	South Dodge Island	25.76333	-80.17167	1997.17	BB	NBAY	0.17	03	1997	1997-03	0.0081	0.0067	0.0014	0.0159	0.3646	0.0240	0.3405	0.0087	0.0005	0.0901	0.6738	3.2255	0.1161	32.20	32.10	25.40	25.50	6.40	6.40	3.40			93.00	114.33	6.13	91.97	92.01
73.0	04-Mar-97		131	North Venetian Basin	25.80000	-80.16667	1997.17	BB	NBAY	0.17	03	1997	1997-03	0.0074	0.0058	0.0015	0.0153	0.3262	0.0226	0.3036	0.0112	0.0002	0.1061	0.9094	3.0425	0.1561	32.60	32.60	25.40	25.40	5.50	5.70	1.45			64.27	323.00	4.46	79.24	82.12
73.0	04-Mar-97		132	North I-195 Basin	25.81667	-80.16667	1997.17	BB	NBAY	0.17	03	1997	1997-03	0.0013	0.0003	0.0010	0.0058	0.3489	0.0071	0.3418	0.0085	0.0002	0.0882	0.3385	3.2640	0.1271	32.80	32.80	25.70	25.70	5.80	5.80	0.20			90.63	102.00	1.85	83.93	83.93
73.0	04-Mar-97		133	North Normandy Isle	25.86667	-80.15000	1997.17	BB	NBAY	0.17	03	1997	1997-03	0.0069	0.0049	0.0020	0.0066	0.3805	0.0135	0.3670	0.0136	0.0002	0.3311	1.7922	3.9253	0.1603	32.10	32.10	25.60	25.60	6.20	6.20	2.00			62.12	192.50	2.20	89.23	89.23
73.0	04-Mar-97		134	Oleta River Park	25.90500	-80.13333	1997.17	BB	NBAY	0.17	03	1997	1997-03	0.0299	0.0267	0.0032	0.0217	0.3360	0.0516	0.2844	0.0111	0.0001	0.2318	1.7681	3.4615	0.1454	33.40	34.50	25.60	25.60	6.00	5.80	1.75			67.13	1474.00	10.31	87.07	84.77
73.0	05-Mar-97		135	South Card Sound	25.31667	-80.31667	1997.17	BB	SCARD	0.17	03	1997	1997-03	0.0041	0.0033	0.0007	0.0072	0.2443	0.0113	0.2330	0.0059	0.0000	0.0976	0.2790	3.2385	0.0077	33.60	33.60	25.50	25.60	6.40	6.50	0.20			91.83		4.24	92.90	94.45
74.0	08-Apr-97		101	Convoy Point	25.47833	-80.32083	1997.27	BB	AS	0.27	04	1997	1997-04	0.0021	0.0015	0.0006	0.0046	0.3496	0.0066	0.3430	0.0036	0.0010	0.1625	0.1206	3.7085		38.30	38.40	26.50	26.50	6.60	6.80	0.20			217.12	14.54	4.11	99.71	102.80
74.0	08-Apr-97		102	Black Point	25.54583	-80.29467	1997.27	BB	AS	0.27	04	1997	1997-04	0.0018	0.0009	0.0009	0.0035	0.3525	0.0053	0.3473	0.0040	0.0002	0.2032	0.1166	4.6848		36.70	36.70	26.30	26.30	7.20	7.40	0.20			193.70	50.00	2.88	107.47	110.45
74.0	09-Apr-97		103	Near Black Ledge	25.57333	-80.28667	1997.27	BB	IS	0.27	04	1997	1997-04	0.0021	0.0013	0.0008	0.0052	0.3745	0.0073	0.3672	0.0051	0.0002	0.3285	0.1857	5.5270		35.90	35.90	25.80	25.90	5.80	5.80	0.20			162.13	104.00	3.15	85.71	85.79
74.0	09-Apr-97		104	BNP Marker C	25.60167	-80.22083	1997.27	BB	MAIN	0.27	04	1997	1997-04	0.0008	0.0000	0.0008	0.0036	0.1391	0.0045	0.1346	0.0045	0.0002	0.0618	0.1399	2.8033		36.90	37.00	25.40	25.40	6.40	6.30	0.85			68.53	64.00	2.21	94.79	93.37
74.0	08-Apr-97		108	Marker G-1B	25.56917	-80.19250	1997.27	BB	MAIN	0.27	04	1997	1997-04	0.0020	0.0012	0.0008	0.0036	0.1589	0.0056	0.1533	0.0047	0.0006	0.0682	0.1126	2.8140		36.80	36.90	25.40	25.40	6.20	6.40	0.65			74.42	19.88	2.61	91.77	94.79
74.0	08-Apr-97		109	Midbay North	25.56417	-80.23500	1997.27	BB	MAIN	0.27	04	1997	1997-04	0.0018	0.0010	0.0008	0.0062	0.1575	0.0080	0.1495	0.0045	0.0000	0.0826	0.1029	2.9558		37.10	37.10	25.30	25.30	6.70	6.80	0.30			77.58		3.95	99.26	100.74
74.0	08-Apr-97		110	Fender Point	25.50500	-80.28750	1997.27	BB	IS	0.27	04	1997	1997-04	0.0034	0.0022	0.0012	0.0040	0.2098	0.0074	0.2024	0.0043	0.0012	0.0878	0.1254	3.6250		38.20	38.20	26.30	26.30	6.70	6.80	0.15			109.00	13.19	3.84	100.97	102.47
74.0	08-Apr-97		111	Featherbed Bank	25.51583	-80.24000	1997.27	BB	MAIN	0.27	04	1997	1997-04	0.0019	0.0011	0.0008	0.0081	0.1602	0.0100	0.1503	0.0044	0.0006	0.0865	0.0828	3.1680		37.30	37.30	25.60	25.60	6.40	6.80	0.45			80.32	35.63	5.00	95.23	101.18
74.0	08-Apr-97		112	Sands Cut	25.48833	-80.18833	1997.27	BB	MAIN	0.27	04	1997	1997-04	0.0021	0.0018	0.0004	0.0029	0.1320	0.0050	0.1270	0.0046	0.0005	0.0629	0.0892	3.1030		37.00	37.00	25.40	25.40	6.30	6.40	0.40			63.93	24.00	2.44	93.37	94.85
74.0	08-Apr-97		113	Elliott Key	25.44167	-80.22333	1997.27	BB	MAIN	0.27	04	1997	1997-04	0.0042	0.0037	0.0006	0.0098	0.1823	0.0140	0.1683	0.0039	0.0002	0.1258	0.1560	3.4565		38.00	38.00	25.20	25.20	6.20	6.30	0.30			104.15	200.00	8.00	92.29	93.78
74.0	08-Apr-97		116	Rubicon Keys	25.40000	-80.25500	1997.27	BB	MAIN	0.27	04	1997	1997-04	0.0019	0.0015	0.0004	0.0042	0.1665	0.0061	0.1604	0.0035	0.0001	0.0904	0.1198	3.3240		37.20	37.20	25.20	25.20	6.30	6.50	0.70			105.71	173.00	3.84	93.30	96.26
74.0	08-Apr-97		121	Card Sound North	25.35500	-80.29167	1997.27	BB	SCARD	0.27	04	1997	1997-04	0.0021	0.0015	0.0005	0.0061	0.1657	0.0082	0.1575	0.0043	0.0002	0.0878	0.1713	3.5575		36.70	36.70	24.90	24.90	6.40	6.60	0.40			86.06	117.00	4.25	94.18	97.12
74.0	08-Apr-97		122	West Arsenicker	25.42017	-80.31083	1997.27	BB	IS	0.27	04	1997	1997-04	0.0055	0.0046	0.0009	0.0140	0.1867	0.0195	0.1672	0.0047	0.0002	0.1166	0.1536	3.8445		37.40	37.40	24.90	24.90	6.30	6.40	0.30			88.89	185.33	9.27	93.12	94.60
74.0	08-Apr-97		123	Pelican Bank	25.44500	-80.28333	1997.27	BB	MAIN	0.27	04	1997	1997-04	0.0081	0.0075	0.0006	0.0058	0.2480	0.0140	0.2340	0.0045	0.0002	0.0904	0.1447	3.6618		37.60	37.60	26.30	26.30	6.20	6.20	0.15			122.15	133.00	6.88	93.07	93.07
74.0	08-Apr-97		124	Midbay South	25.47250	-80.23333	1997.27	BB	MAIN	0.27	04	1997	1997-04	0.0008	0.0006	0.0002	0.0046	0.2643	0.0054	0.2589	0.0040	0.0005	0.1022	0.1294	3.5318		37.70	37.80	25.00	25.00	6.20	6.40	0.30			148.09	25.67	3.02	91.92	94.95
74.0	09-Apr-97		126	BNP Marker B	25.67167	-80.20500	1997.27	BB	MAIN	0.27	04	1997	1997-04	0.0008	0.0003	0.0005	0.0049	0.2168	0.0057	0.2112	0.0040	0.0004	0.0854	0.2364	3.2955		37.10	37.10	25.20	25.30	6.60	6.50	2.45			119.14	32.40	3.12	97.68	96.30
74.0	09-Apr-97		127	Shoal Point	25.63000	-80.25000	1997.27	BB	IS	0.27	04	1997	1997-04	0.0019	0.0010	0.0009	0.0107	0.3561	0.0127	0.3435	0.0053	0.0001	0.1406	0.2107	4.7363		35.80	35.80	25.80	25.80	6.20	6.30	0.25			149.64	362.00	5.32	91.56	93.03
74.0	09-Apr-97		128	Matheson Beach	25.68833	-80.23333	1997.27	BB	IS	0.27	04	1997	1997-04	0.0057	0.0049	0.0007	0.0064	0.3385	0.0121	0.3264	0.0054	0.0003	0.0894	0.5387	4.3813		34.60	35.10	26.60	26.00	6.50	7.30	0.60			138.15	86.50	4.94	96.00	107.53
74.0	09-Apr-97		129	Marker G-71	25.73667	-80.18500	1997.27	BB	MAIN	0.27	04	1997	1997-04	0.0015	0.0010	0.0006	0.0075	0.2294	0.0090	0.2204	0.0043	0.0000	0.0539	0.3208	3.7550		36.10	36.20	25.50	25.40	6.20	6.10	1.80			117.05		4.59	91.45	89.94
74.0	09-Apr-97		130	South Dodge Island	25.76333	-80.17167	1997.27	BB	NBAY	0.27	04	1997	1997-04	0.0061	0.0051	0.0010	0.0078	0.2190	0.0139	0.2051	0.0058	0.0002	0.0683	0.4832	3.3205		35.60	35.70	25.80	25.60	6.20	6.20	3.70			83.44	132.67	5.31	91.44	91.31
74.0	09-Apr-97		131	North Venetian Basin	25.80000	-80.16667	1997.27	BB	NBAY	0.27	04	1997	1997-04	0.0095	0.0084	0.0011	0.0113	0.2367	0.0207	0.2160	0.0074	0.0001	0.0512	0.6159	3.4433		34.90	34.90	25.80	25.80	6.00	6.00	1.75			71.20	592.00	6.23	88.09	88.09
74.0	09-Apr-97		132	North I-195 Basin	25.81667	-80.16667	1997.27	BB	NBAY	0.27	04	1997	1997-04	0.0069	0.0059	0.0009	0.0108	0.2236	0.0176	0.2059	0.0074	0.0002	0.0749	0.6416	3.5618		34.60	34.60	25.80	25.80	5.60	5.50	2.35			67.24	252.00	5.31	82.06	80.60
74.0	09-Apr-97		133	North Normandy Isle	25.86667	-80.15000	1997.27	BB	NBAY	0.27	04	1997	1997-04	0.0085	0.0071	0.0013	0.0101	0.3176	0.0186	0.2990	0.0072	0.0002	0.0959	0.5813	4.6715		33.00	34.10	26.40	25.80	6.20	6.00	0.60			97.57	177.00	5.71	90.47	87.64
74.0	09-Apr-97		134	Oleta River Park	25.90500	-80.13333	1997.27	BB	NBAY	0.27	04	1997	1997-04	0.0042	0.0032	0.0010	0.0050	0.1707	0.0092	0.1615	0.0060	0.0000	0.0946	0.9102	3.3840		35.10	35.60	25.70	25.50	6.10	6.00	1.15			62.52		3.36	89.59	88.22
74.0	08-Apr-97		135	South Card Sound	25.31667	-80.31667	1997.27	BB	SCARD	0.27	04	1997	1997-04	0.0008	0.0004	0.0005	0.0039	0.2499	0.0048	0.2451	0.0045	0.0005	0.0800	0.1680	4.4300		35.50	36.30	25.10	25.10	6.20	6.20	0.15			123.09	19.43	2.34	90.72	91.19
75.0	15-May-97		101	Convoy Point	25.47833	-80.32083	1997.37	BB	AS	0.37	05	1997	1997-05	0.0286	0.0272	0.0014	0.0092	0.3213	0.0378	0.2835	0.0036	0.0000	0.2413	0.2927	5.4780		35.20	35.20	29.50	29.60	7.40	7.60	0.45			195.29		22.98	112.44	115.56
75.0	15-May-97		102	Black Point	25.54583	-80.29467	1997.37	BB	AS	0.37	05	1997	1997-05	0.0102	0.0087	0.0015	0.0110	0.3597	0.0212	0.3386	0.0047	0.0000	0.2166	0.2116	5.0790		35.40	35.40	27.50	27.50	5.70	5.80	0.55			168.50		9.92	85.32	86.81
75.0	15-May-97		103	Near Black Ledge	25.57333	-80.28667	1997.37	BB	IS	0.37	05	1997	1997-05	0.0031	0.0018	0.0013	0.0098	0.4127	0.0129	0.3998	0.0054	0.0000	0.5096	0.2148	6.7143		34.50	34.50	27.60	27.60	5.50	5.60	0.45			168.44		5.27	81.93	83.42
75.0	15-May-97		104	BNP Marker C	25.60167	-80.22083	1997.37	BB	MAIN	0.37	05	1997	1997-05	0.0034	0.0030	0.0005	0.0033	0.1682	0.0067	0.1615	0.0041	0.0000	0.0741	0.1144	3.0605		36.90	37.20	28.10	28.00	6.20	6.40	0.70			90.70		3.62	94.17	97.31
75.0	15-May-97		108	Marker G-1B	25.56917	-80.19250	1997.37	BB	MAIN	0.37	05	1997	1997-05	0.0027	0.0021	0.0006	0.0047	0.1542	0.0074	0.1469	0.0050	0.0001	0.0550	0.1010	3.0145		36.50	36.50	28.60	28.60	7.00	7.00	0.75			68.86	210.00	3.28	106.49	106.49
75.0	15-May-97		109	Midbay North	25.56417	-80.23500	1997.37	BB	MAIN	0.37	05	1997	1997-05	0.0039	0.0033	0.0005	0.0019	0.1708	0.0057	0.1651	0.0042	0.0000	0.0864	0.1174	4.2430		36.90	37.10	28.10	28.00	6.40	6.40	0.40			90.39		3.02	97.21	97.25
75.0	15-May-97		110	Fender Point	25.50500	-80.28750	1997.37	BB	IS	0.37	05	1997	1997-05	0.0086	0.0075	0.0011	0.0094	0.2487	0.0180	0.2306	0.0050	0.0000	0.1089	0.1520	3.8808		36.60	36.60	29.00	29.00	6.20	6.30	0.35			111.01		8.05	94.67	96.20
75.0	16-May-97		111	Featherbed Bank	25.51583	-80.24000	1997.37	BB	MAIN	0.37	05	1997	1997-05	0.0028	0.0016	0.0013	0.0041	0.1912	0.0070	0.1842	0.0041	0.0000	0.1136	0.1590	4.6065		37.50	37.50	28.00	28.00	6.30	6.40	0.70			103.07		3.75	95.97	97.50
75.0	16-May-97		112	Sands Cut	25.48833	-80.18833	1997.37	BB	MAIN	0.37	05	1997	1997-05	0.0025	0.0018	0.0007	0.0048	0.1645	0.0073	0.1572	0.0055	0.0000	0.1136	0.1862	3.2920		36.60	36.70	28.80	28.80	6.00	6.00	0.40			66.19		2.94	91.48	91.54
75.0	16-May-97		113	Elliott Key	25.44167	-80.22333	1997.37	BB	MAIN	0.37	05	1997	1997-05	0.0064	0.0053	0.0012	0.0086	0.1813	0.0150	0.1663	0.0048	0.0000	0.1511	0.2411	4.5298		37.00	37.00	28.60	28.60	5.40	5.50	0.50			83.57		6.92	82.41	83.93
75.0	16-May-97		116	Rubicon Keys	25.40000	-80.25500	1997.37	BB	MAIN	0.37	05	1997	1997-05	0.0065	0.0055	0.0010	0.0063	0.1800	0.0128	0.1673	0.0057	0.0002	0.0949	0.1517	4.6583		36.90	36.80	28.80	28.90	6.20	6.40	0.35			69.51	121.67	4.93	94.71	97.78
75.0	16-May-97		121	Card Sound North	25.35500	-80.29167	1997.37	BB	SCARD	0.37	05	1997	1997-05	0.0049	0.0039	0.0010	0.0080	0.2022	0.0129	0.1893	0.0055	0.0000	0.1313	0.1944	4.7580		36.90	36.90	29.00	29.00	6.20	6.70	0.65			81.36		5.18	94.85	102.50
75.0	16-May-97		122	West Arsenicker	25.42017	-80.31083	1997.37	BB	IS	0.37	05	1997	1997-05	0.0076	0.0066	0.0011	0.0122	0.2322	0.0198	0.2124	0.0053	0.0000	0.1820	0.3102	4.9773		36.80	36.80	28.30	28.30	5.70	5.90	0.30			97.55		8.32	86.66	89.71
75.0	16-May-97		123	Pelican Bank	25.44500	-80.28333	1997.37	BB	MAIN	0.37	05	1997	1997-05	0.0162	0.0151	0.0011	0.0128	0.1979	0.0289	0.1689	0.0043	0.0000	0.1158	0.1618	4.5150		37.00	37.00	28.20	28.30	5.60	5.60	0.30			102.79		15.04	85.18	85.25
75.0	16-May-97		124	Midbay South	25.47250	-80.23333	1997.37	BB	MAIN	0.37	05	1997	1997-05	0.0061	0.0055	0.0006	0.0134	0.1857	0.0195	0.1662	0.0041	0.0002	0.1533	0.1665	5.2183		38.00	38.00	28.10	28.00	6.30	6.20	0.45			100.10	185.33	10.49	96.36	94.75
75.0	15-May-97		126	BNP Marker B	25.67167	-80.20500	1997.37	BB	MAIN	0.37	05	1997	1997-05	0.0053	0.0046	0.0007	0.0069	0.1487	0.0122	0.1365	0.0057	0.0000	0.0876	0.2051	2.9128		37.10	37.00	28.00	27.80	6.40	6.60	1.55			58.19		4.77	97.25	100.06
75.0	15-May-97		127	Shoal Point	25.63000	-80.25000	1997.37	BB	IS	0.37	05	1997	1997-05	0.0059	0.0050	0.0009	0.0111	0.2433	0.0170	0.2263	0.0048	0.0000	0.1291	0.1811	4.7870		37.20	37.20	27.50	27.50	5.70	5.90	0.30			112.11		7.82	86.30	89.32
75.0	15-May-97		128	Matheson Beach	25.68833	-80.23333	1997.37	BB	IS	0.37	05	1997	1997-05	0.0066	0.0056	0.0010	0.0088	0.2338	0.0154	0.2183	0.0051	0.0000	0.0909	0.2241	4.8285		35.10	35.20	27.80	27.70	5.30	5.50	0.30			101.20		6.68	79.39	82.36
75.0	15-May-97		129	Marker G-71	25.73667	-80.18500	1997.37	BB	MAIN	0.37	05	1997	1997-05	0.0071	0.0060	0.0012	0.0127	0.2091	0.0199	0.1892	0.0054	0.0002	0.0741	0.3641	4.1575		34.90	35.40	27.70	27.50	5.60	5.90	0.85			85.34	189.33	8.11	83.70	88.31

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
75.0	15-May-97		130	South Dodge Island	25.76333	-80.17167	1997.37	BB	NBAY	0.37	05	1997	1997-05	0.0276	0.0242	0.0034	0.0125	0.2212	0.0401	0.1811	0.0070	0.0001	0.0662	0.6697	4.2950		32.70	33.10	27.60	27.60	6.00	5.90	1.05			70.22	1145.00	12.72	88.36	87.11
75.0	15-May-97		131	North Venetian Basin	25.80000	-80.16667	1997.37	BB	NBAY	0.37	05	1997	1997-05	0.0203	0.0186	0.0017	0.0098	0.2544	0.0301	0.2243	0.0090	0.0001	0.0572	0.4173	4.1495		31.80	32.40	28.00	27.90	5.80	6.20	0.95			62.66	861.00	7.42	85.23	91.37
75.0	15-May-97		132	North I-195 Basin	25.81667	-80.16667	1997.37	BB	NBAY	0.37	05	1997	1997-05	0.0096	0.0089	0.0007	0.0043	0.2666	0.0139	0.2526	0.0083	0.0001	0.1078	0.3035	5.2638		29.70	31.00	28.10	27.80	7.20	7.30	0.25			71.18	398.00	3.72	104.50	106.54
75.0	15-May-97		133	North Normandy Isle	25.86667	-80.15000	1997.37	BB	NBAY	0.37	05	1997	1997-05	0.0309	0.0277	0.0032	0.0461	0.3436	0.0770	0.2666	0.0121	0.0005	0.3289	1.2307	5.4648		27.40	33.30	28.80	28.50	6.00	6.10	0.95			62.94	366.83	14.11	86.34	90.87
75.0	15-May-97		134	Oleta River Park	25.90500	-80.13333	1997.37	BB	NBAY	0.37	05	1997	1997-05	0.0353	0.0317	0.0035	0.0101	0.2606	0.0454	0.2153	0.0103	0.0005	0.1235	1.7545	5.2195		29.10	35.40	28.30	27.10	5.40	6.00	1.40			55.99	185.14	9.74	78.21	89.49
75.0	16-May-97		135	South Card Sound	25.31667	-80.31667	1997.37	BB	SCARD	0.37	05	1997	1997-05	0.0061	0.0053	0.0007	0.0044	0.2246	0.0104	0.2142	0.0043	0.0002	0.1335	0.3199	4.3113		36.40	36.40	28.70	28.70	6.50	6.10	0.35			114.60	149.00	5.32	98.90	92.81
76.0	11-Jun-97		101	Convoy Point	25.47833	-80.32083	1997.44	BB	AS	0.44	06	1997	1997-06	1.1027	1.0823	0.0204	0.0620	1.2553	1.1647	0.0906	0.0142	0.0066	0.1359	0.4553	4.9503	0.0001	12.30	31.30	27.60	27.50	5.00	4.70	3.52			195.99	391.49	181.84	64.71	68.54
76.0	11-Jun-97		102	Black Point	25.54583	-80.29467	1997.44	BB	AS	0.44	06	1997	1997-06	0.2302	0.2225	0.0077	0.0603	0.5383	0.2905	0.2478	0.0074	0.0003	0.1745	0.2559	4.9518	0.0016	25.00	26.20	27.70	27.30	5.60	6.80	1.11			161.90	2075.00	87.37	78.62	95.84
76.0	11-Jun-97		103	Near Black Ledge	25.57333	-80.28667	1997.44	BB	IS	0.44	06	1997	1997-06	0.0561	0.0504	0.0057	0.0354	0.4455	0.0915	0.3540	0.0047	0.0005	0.3291	0.1972	5.3643	0.0008	26.30	26.30	27.30	27.30	6.70	6.80	0.55			208.65	435.67	42.85	94.49	95.90
76.0	09-Jun-97		104	BNP Marker C	25.60167	-80.22083	1997.44	BB	MAIN	0.44	06	1997	1997-06	0.0024	0.0012	0.0012	0.0081	0.2212	0.0104	0.2107	0.0046	0.0000	0.0843	0.3560	3.3555	0.0000	35.40	35.40	28.30	28.30	5.70	5.50	0.70			107.10		5.05	85.90	82.89
76.0	09-Jun-97		108	Marker G-1B	25.56917	-80.19250	1997.44	BB	MAIN	0.44	06	1997	1997-06	0.0033	0.0019	0.0015	0.0076	0.2025	0.0109	0.1916	0.0045	0.0000	0.0580	0.3324	3.3440	0.0025	35.10	35.10	27.70	27.80	4.50	4.50	0.55			99.74		5.36	67.35	67.40
76.0	11-Jun-97		109	Midbay North	25.56417	-80.23500	1997.44	BB	MAIN	0.44	06	1997	1997-06	0.1587	0.1533	0.0054	0.0362	0.4262	0.1950	0.2313	0.0053	0.0005	0.1445	0.2051	4.5065	0.0000	29.30	32.40	27.30	27.20	6.10	6.30	0.92			176.50	795.71	80.72	87.68	92.27
76.0	11-Jun-97		110	Fender Point	25.50500	-80.28750	1997.44	BB	IS	0.44	06	1997	1997-06	0.4376	0.4251	0.0125	0.0805	0.8185	0.5180	0.3004	0.0077	0.0004	0.2690	0.3109	5.9795	0.0001	19.30	30.60	27.80	27.50	5.60	6.20	1.85			236.21	2960.20	149.51	75.90	90.02
76.0	11-Jun-97		111	Featherbed Bank	25.51583	-80.24000	1997.44	BB	MAIN	0.44	06	1997	1997-06	0.1340	0.1286	0.0055	0.0480	0.4527	0.1820	0.2707	0.0054	0.0001	0.1588	0.2579	4.5173	0.0010	29.00	32.40	27.30	27.30	6.60	6.50	0.96			184.77	5200.00	74.29	94.69	95.29
76.0	11-Jun-97		112	Sands Cut	25.48833	-80.18833	1997.44	BB	MAIN	0.44	06	1997	1997-06	0.2060	0.2010	0.0049	0.0331	0.4619	0.2391	0.2227	0.0054	0.0006	0.1416	0.3785	4.3273	0.0028	29.00	29.30	27.20	27.10	6.70	6.70	1.30			188.52	854.00	97.60	96.03	96.13
76.0	11-Jun-97		113	Elliott Key	25.44167	-80.22333	1997.44	BB	MAIN	0.44	06	1997	1997-06	0.2118	0.2054	0.0064	0.0333	0.4652	0.2451	0.2201	0.0054	0.0012	0.2032	0.4894	4.1918	0.0050	28.10	28.00	27.00	27.00	7.00	7.00	1.50			189.88	466.80	100.03	99.57	99.51
76.0	11-Jun-97		116	Rubicon Keys	25.40000	-80.25500	1997.44	BB	MAIN	0.44	06	1997	1997-06	0.0111	0.0098	0.0013	0.0157	0.2686	0.0268	0.2418	0.0040	0.0003	0.1703	0.2212	5.0618	0.0032	34.20	34.10	27.20	27.20	5.80	5.80	0.47			150.48	191.25	15.00	85.92	85.87
76.0	11-Jun-97		121	Card Sound North	25.35500	-80.29167	1997.44	BB	SCARD	0.44	06	1997	1997-06	0.0149	0.0134	0.0015	0.0270	0.3633	0.0419	0.3214	0.0040	0.0002	0.1617	0.2579	6.2195	0.0089	31.90	32.50	27.40	27.30	6.20	5.90	0.31			203.53	598.50	23.47	90.68	86.55
76.0	11-Jun-97		122	West Arsenicker	25.42017	-80.31083	1997.44	BB	IS	0.44	06	1997	1997-06	0.0269	0.0250	0.0019	0.0424	0.3350	0.0693	0.2657	0.0052	0.0002	0.3033	0.4067	5.2793	0.0121	31.90	31.90	26.70	26.70	5.90	6.00	0.49			142.86	660.00	29.55	85.74	87.19
76.0	11-Jun-97		123	Pelican Bank	25.44500	-80.28333	1997.44	BB	MAIN	0.44	06	1997	1997-06	0.1166	0.1122	0.0044	0.0449	0.3639	0.1615	0.2024	0.0047	0.0003	0.1903	0.2731	5.0023	0.0007	31.80	33.10	26.90	27.00	5.50	5.40	0.67			173.29	1153.50	76.90	80.02	79.30
76.0	11-Jun-97		124	Midbay South	25.47250	-80.23333	1997.44	BB	MAIN	0.44	06	1997	1997-06	0.1259	0.1225	0.0034	0.0359	0.4048	0.1618	0.2430	0.0052	0.0002	0.1831	0.2879	4.9808	0.0020	31.60	35.50	27.20	27.50	6.60	6.00	0.95			172.63	2312.00	69.01	96.17	89.86
76.0	09-Jun-97		126	BNP Marker B	25.67167	-80.20500	1997.44	BB	MAIN	0.44	06	1997	1997-06	0.0062	0.0051	0.0011	0.0167	0.2069	0.0229	0.1840	0.0038	0.0000	0.0711	0.5384	4.6575	0.0103	34.90	35.00	28.10	28.30	5.70	5.50	1.25			120.66		13.37	85.49	82.68
76.0	09-Jun-97		127	Shoal Point	25.63000	-80.25000	1997.44	BB	IS	0.44	06	1997	1997-06	0.0149	0.0120	0.0030	0.0176	0.2970	0.0325	0.2645	0.0041	0.0002	0.1620	0.4177	5.5740	0.0057	32.40	32.60	28.10	28.40	5.00	4.70	0.25			160.09	464.50	17.53	73.82	69.65
76.0	09-Jun-97		128	Matheson Beach	25.68833	-80.23333	1997.44	BB	IS	0.44	06	1997	1997-06	0.0415	0.0372	0.0043	0.0265	0.3280	0.0680	0.2600	0.0057	0.0003	0.0869	0.9718	5.7010	0.0013	31.50	33.00	28.10	28.40	4.60	4.50	0.40			128.37	485.50	26.60	67.53	66.85
76.0	09-Jun-97		129	Marker G-71	25.73667	-80.18500	1997.44	BB	MAIN	0.44	06	1997	1997-06	0.0162	0.0142	0.0020	0.0218	0.2661	0.0380	0.2281	0.0057	0.0004	0.0975		5.0040	0.0031	34.20	34.40	28.40	28.60	5.40	5.20	0.95			102.73	217.20	14.68	80.83	78.07
76.0	09-Jun-97		130	South Dodge Island	25.76333	-80.17167	1997.44	BB	NBAY	0.44	06	1997	1997-06	0.0208	0.0184	0.0024	0.0235	0.2178	0.0442	0.1735	0.0053	0.0001	0.0487	0.6205	4.5783	0.0008	34.40	34.50	28.10	28.20	5.20	5.40	0.85			91.50	1264.00	18.59	77.74	80.85
76.0	09-Jun-97		131	North Venetian Basin	25.80000	-80.16667	1997.44	BB	NBAY	0.44	06	1997	1997-06	0.0375	0.0338	0.0037	0.0315	0.2560	0.0690	0.1870	0.0070	0.0001	0.0501	1.0476	4.8128	0.0033	32.60	32.80	28.10	28.20	5.20	5.00	0.80			81.27	1971.00	21.90	76.87	74.07
76.0	09-Jun-97		132	North I-195 Basin	25.81667	-80.16667	1997.44	BB	NBAY	0.44	06	1997	1997-06	0.0256	0.0226	0.0030	0.0306	0.2682	0.0562	0.2120	0.0071	0.0000	0.0738	0.9307	5.1698	0.0033	32.40	32.40	28.10	28.10	4.40	4.30	0.85			84.21		17.64	64.96	63.48
76.0	09-Jun-97		133	North Normandy Isle	25.86667	-80.15000	1997.44	BB	NBAY	0.44	06	1997	1997-06	0.0084	0.0071	0.0014	0.0080	0.2456	0.0165	0.2292	0.0086	0.0003	0.4426	4.3657	5.2278	0.0033	31.30	33.30	27.40	28.10	5.70	4.50	1.10			63.22	117.50	4.23	83.05	66.81
76.0	09-Jun-97		134	Oleta River Park	25.90500	-80.13333	1997.44	BB	NBAY	0.44	06	1997	1997-06	0.0158	0.0137	0.0021	0.0165	0.2246	0.0323	0.1923	0.0071	0.0006	0.1581	1.6437	5.2250	0.0010	31.80	35.40	27.30	25.60	5.70	5.60	0.65			69.75	115.38	10.03	83.24	82.32
76.0	11-Jun-97		135	South Card Sound	25.31667	-80.31667	1997.44	BB	SCARD	0.44	06	1997	1997-06	0.0254	0.0226	0.0028	0.0475	0.4269	0.0729	0.3541	0.0051	0.0008	0.1760	0.3660	6.6710	0.0244	30.10	33.60	27.30	27.80	6.10	4.80	0.80			184.82	208.20	31.55	88.13	71.22
77.0	02-Jul-97		101	Convoy Point	25.47833	-80.32083	1997.50	BB	AS	0.50	07	1997	1997-07	0.1561	0.1530	0.0031	0.0267	0.7962	0.1828	0.6133	0.0074	0.0013	0.5166	0.2192	7.4025	0.5501	25.00	27.60	32.50	31.90	4.70	6.70	0.59			239.45	307.29	54.99	68.37	98.69
77.0	02-Jul-97		102	Black Point	25.54583	-80.29467	1997.50	BB	AS	0.50	07	1997	1997-07	0.0515	0.0473	0.0042	0.0177	0.5548	0.0692	0.4855	0.0060	0.0008	0.3399	0.2115	6.2568	0.3200	26.60	26.60	31.80	31.80	5.90	5.90	0.33			205.85	197.80	25.69	86.32	86.32
77.0	01-Jul-97		103	Near Black Ledge	25.57333	-80.28667	1997.50	BB	IS	0.50	07	1997	1997-07	0.0352	0.0309	0.0043	0.0105	0.5232	0.0457	0.4774	0.0070	0.0009	0.4023	0.2172	6.4468	0.2035	24.70	24.70	32.80	32.80	8.30	8.30	0.38			166.09	118.82	14.52	120.72	120.72
77.0	01-Jul-97		104	BNP Marker C	25.60167	-80.22083	1997.50	BB	MAIN	0.50	07	1997	1997-07	0.0039	0.0030	0.0009	0.0060	0.3648	0.0099	0.3549	0.0056	0.0001	0.1482	0.1763	4.4178	0.0616	34.00	34.00	31.60	31.60	6.00	6.30	0.34			144.76	282.00	3.92	91.77	96.36
77.0	01-Jul-97		108	Marker G-1B	25.56917	-80.19250	1997.50	BB	MAIN	0.50	07	1997	1997-07	0.0080	0.0073	0.0007	0.0074	0.3307	0.0154	0.3153	0.0057	0.0000	0.1059	0.1476	4.0110	0.0633	34.30	34.30	31.90	31.90	4.30	4.40	0.38			127.68		5.96	66.01	67.54
77.0	01-Jul-97		109	Midbay North	25.56417	-80.23500	1997.50	BB	MAIN	0.50	07	1997	1997-07	0.0077	0.0068	0.0009	0.0052	0.3474	0.0129	0.3345	0.0051	0.0001	0.1607	0.0952	4.5698	0.0866	34.90	34.90	32.00	32.00	6.30	6.40	0.44			150.39	369.00	5.59	97.12	98.66
77.0	02-Jul-97		110	Fender Point	25.50500	-80.28750	1997.50	BB	IS	0.50	07	1997	1997-07	0.0390	0.0361	0.0029	0.0258	0.4304	0.0648	0.3656	0.0057	0.0002	0.2212	0.2918	4.8658	0.2007	30.30	30.30	31.50	31.50	5.80	6.00	0.40			166.16	617.00	25.01	86.65	89.64
77.0	02-Jul-97		111	Featherbed Bank	25.51583	-80.24000	1997.50	BB	MAIN	0.50	07	1997	1997-07	0.0080	0.0070	0.0010	0.0101	0.3035	0.0181	0.2854	0.0053	0.0003	0.1389	0.1216	4.7053	0.1034	34.90	35.10	31.70	31.50	5.30	5.40	0.46			125.66	129.25	7.49	81.56	83.11
77.0	02-Jul-97		112	Sands Cut	25.48833	-80.18833	1997.50	BB	MAIN	0.50	07	1997	1997-07	0.0043	0.0036	0.0007	0.0060	0.2624	0.0103	0.2520	0.0056	0.0001	0.1012	0.1300	4.4173	0.0614	36.10	35.90	31.40	31.40	5.60	5.70	0.36			104.11	295.00	4.10	86.67	88.11
77.0	02-Jul-97		113	Elliott Key	25.44167	-80.22333	1997.50	BB	MAIN	0.50	07	1997	1997-07	0.0090	0.0078	0.0012	0.0315	0.3508	0.0404	0.3104	0.0052	0.0006	0.2752	0.2721	5.5473	0.0927	33.20	33.10	31.10	31.20	5.60	5.50	0.50			149.61	144.38	17.24	84.97	83.45
77.0	02-Jul-97		116	Rubicon Keys	25.40000	-80.25500	1997.50	BB	MAIN	0.50	07	1997	1997-07	0.0064	0.0055	0.0009	0.0121	0.2667	0.0185	0.2482	0.0049	0.0003	0.1497	0.1720	4.3763	0.0575	34.80	34.80	31.20	31.20	5.60	5.60	0.32			120.95	132.25	8.40	85.87	85.87
77.0	02-Jul-97		121	Card Sound North	25.35500	-80.29167	1997.50	BB	SCARD	0.50	07	1997	1997-07	0.0080	0.0074	0.0006	0.0071	0.3649	0.0151	0.3498	0.0051	0.0003	0.2064	0.1626	5.9848	0.0948	30.50	30.50	30.60	30.60	4.60	4.50	0.50			157.97	108.00	6.55	68.41	66.92
77.0	02-Jul-97		122	West Arsenicker	25.42017	-80.31083	1997.50	BB	IS	0.50	07	1997	1997-07	0.0174	0.0159	0.0015	0.0209	0.3934	0.0383	0.3551	0.0053	0.0007	0.1834	0.2009	5.8385	0.1322	30.60	30.60	31.00	31.00	5.30	5.20	0.27			162.89	121.56	15.86	79.08	77.59
77.0	02-Jul-97		123	Pelican Bank	25.44500	-80.28333	1997.50	BB	MAIN	0.50	07	1997	1997-07	0.0176	0.0166	0.0011	0.0208	0.3879	0.0384	0.3495	0.0051	0.0001	0.1834	0.2141	5.3838	0.1191	31.40	31.40	31.00	31.00	5.30	5.40	0.27			167.93	1098.00	16.64	79.47	80.97
77.0	02-Jul-97		124	Midbay South	25.47250	-80.23333	1997.50	BB	MAIN	0.50	07	1997	1997-07	0.0091	0.0081	0.0010	0.0204	0.3762	0.0295	0.3468	0.0053	0.0001	0.2536	0.3163	5.4795	0.0664	32.30	32.30	31.30	31.30	5.70	5.90	0.43			155.79	842.00	12.20	86.11	89.13
77.0	01-Jul-97		126	BNP Marker B	25.67167	-80.20500	1997.50	BB	MAIN	0.50	07	1997	1997-07	0.0362	0.0336	0.0025	0.0082	0.4111	0.0443	0.3668	0.0053	0.0016	0.1532	0.3449	5.5370	0.2125	25.90	30.80	31.60	31.50	6.40	6.70	0.29			172.74	60.33	18.63	93.11	100.41
77.0	01-Jul-97		127	Shoal Point	25.63000	-80.25000	1997.50	BB	IS	0.50	07	1997	1997-07	0.0219	0.0197	0.0022	0.0164	0.4981	0.0383	0.4598	0.0078	0.0014	0.1408	0.1773	5.4883	0.2792	27.80	29.30	31.60	31.50	5.80	5.90	0.19			142.32	60.83	10.95	85.38	87.60
77.0	01-Jul-97		128	Matheson Beach	25.68833	-80.23333	1997.50	BB	IS	0.50	07	1997	1997-07	0.0380	0.0358	0.0022	0.0195	0.4660	0.0575	0.4085	0.0065	0.0012	0.1756	0.4365	5.7093	0.2341	24.00	25.40	31.50	31.70	5.90	6.40	0.28			158.51	102.69	19.56	84.78	92.88
77.0	01-Jul-97		129	Marker G-71	25.73667	-80.18500	1997.50	BB	MAIN	0.50	07	1997	1997-07	0.0272	0.0250	0.0022	0.0286	0.4538	0.0558	0.3980	0.0074	0.0006	0.1432	0.3270	4.2908	0.3761	26.70	33.20	31.00	30.60	5.70	5.90	0.57			135.06	199.13	16.59	83.01	89.22
77.0	01-Jul-97		130	South Dodge Island	25.76333	-80.17167	1997.50	BB	NBAY	0.50	07	1997	1997-07	0.0330	0.0300	0.0030	0.0360	0.3870	0.0690	0.3180	0.0078	0.0005	0.0785	0.4342	3.9515	0.5298	29.80	32.30	30.60	30.50	5.80	6.20	0.67			109.47	328.50	19.51	85.88	93.17
77.0	01-Jul-97		131	North Venetian Basin	25.80000	-80.16667	1997.50	BB	NBAY	0.50	07	1997	1997-07	0.0347	0.0322	0.0025	0.0263	0.3730	0.0610	0.3121	0.0091	0.0010	0.0922	0.5722	4.1990	0.5225	28.60	31.10	30.70	30.60	5.00	5.10	0.72			91.09	134.00	14.89	73.53	76.13
77.0	01-Jul-97		132	North I-195 Basin	25.81667	-80.16667	1997.50	BB	NBAY	0.50	07	1997	1997-07	0.0166	0.0149	0.0016	0.0117	0.4011	0.0282	0.3729	0.0088	0.0019	0.1208	0.3542	4.8375	0.3080	27.00	26.90	31.21	31.20	5.40	5.50	0.18			100.53	32.28	7.08	78.90	80.31
77.0	01-Jul-97		133	North Normandy Isle	25.86667	-80.15000	1997.50	BB	NBAY	0.50	07	1997	1997-07	0.0278	0.0261	0.0017	0.0205	0.4639	0.0483	0.4156	0.0131	0.0006	0.2578	1.2567	5.2650	0.9954	26.60	31.20	32.00	31.70	5.50	5.90	1.04			78.44	172.50	8.17	80.56	88.75
77.0	01-Jul-97		134	Oleta River Park	25.90500	-80.13333	1997.50	BB	NBAY	0.50	07	1997	1997-07	0.0331	0.0308	0.0024	0.0176	0.3717	0.0507	0.3210	0.0102	0.0007	0.2205	1.4224	4.3535	0.5289	29.50	34.90	30.70	29.60	6.10	5.80	0.79			80.46	161.00	10.98	90.21	88.02
77.0	02-Jul-97		135	South Card Sound	25.31667	-80.31667	1997.50	BB	SCARD	0.50	07	1997	1997-07	0.0183	0.0172	0.0012	0.0111	0.4615	0.0294	0.4321	0.0065	0.0012	0.1632	0.2795	5.8668	0.2143	27.50	33.10	30.60	32.00	6.30	6.00	0.19			156.98	56.07	10.01	91.96	91.48
78.0	14-Aug-97		101	Convoy Point	25.47833	-80.32083	1997.62	BB	AS	0.62	08	1997	1997-08	0.8223	0.8027	0.0196	0.0881	1.3436	0.9105	0.4332	0.0091	0.0000	0.4579	0.7279	5.5425		19.70	26.00	30.50	31.90	6.60	6.10	0.66			328.12		222.33	91.71	88.97
78.0	13-Aug-97		102	Black Point	25.54583	-80.29467	1997.61	BB	AS	0.61	08	1997	1997-08	0.1635	0.1532	0.0103	0.2283	0.7948	0.3917	0.4031	0.0078	0.0004	0.6056	0.8257	6.9265		15.20	22.40	31.30	31.40	7.20	7.70	0.69			224.84	2238.40	110.81	97.85	109.49
78.0	13-Aug-97		103	Near Black Ledge	25.57333	-80.28667	1997.61	BB	IS	0.61	08	1997	1997-08	0.1001	0.0909	0.0092	0.0333	0.5705	0.1334	0.4371	0.0070	0.0009	0.5395	0.3418	5.4553		24.30	24.30	31.50	31.50	7.10	7.30	0.48			181.12	346.55	42.36	102.21	105.09
78.0	14-Aug-97		104	BNP Marker C	25.60167	-80.22083	1997.62	BB	MAIN	0.62	08	1997	1997-08	0.0018	0.0007	0.0011	0.0136	0.2291	0.0153	0.2137	0.0063	0.0002	0.2134	0.2991	2.9903		36.60	36.50	31.20	31.20	5.70	5.90	0.47			80.80	146.00	5.41	88.38	91.42
78.0	14-Aug-97		108	Marker G-1B	25.56917	-80.19250	1997.62	BB	MAIN	0.62	08	1997	1997-08	0.0007	0.0000	0.0007	0.0098	0.2428	0.0104	0.2324	0.0072	0.0002	0.0932	0.1885	2.9888		36.50	36.60	31.50	31.30	5.50	5.70	0.57			74.59	99.33	3.20	85.38	88.43
78.0	13-Aug-97		109	Midbay North	25.56417	-80.23500	1997.61	BB	MAIN	0.61	08	1997	1997-08	0.0008	0.0000	0.0008	0.0112	0.2480	0.0120	0.2360	0.0061	0.0005	0.1494	0.3916	3.5685		36.20	36.20	30.80	30.80	6.00	6.20	0.40			89.68	49.00	4.34	92.57	95.65
78.0	13-Aug-97		110	Fender Point	25.50500	-80.28750	1997.61	BB	IS	0.61	08	1997	1997-08	0.0786	0.0748	0.0038	0.0336	0.3775	0.1122	0.2653	0.0064	0.0005	0.1547	0.2999	4.2125		28.10	28.40	31.30	31.30	6.10	6.20	0.71			129.94	457.86	38.61	89.79	91.43
78.0	13-Aug-97		111	Featherbed Bank	25.51583	-80.24000	1997.61	BB	MAIN	0.61	08	1997	1997-08	0.0009	0.0000	0.0009	0.0134	0.2718	0.0144	0.2574	0.0074	0.0009	0.1864	0.3396	3.8248		36.40	36.40	31.20	31.20	6.20	6.10	0.88			81.73	37.36	4.33	96.01	94.46
78.0	13-Aug-97		112	Sands Cut	25.48833	-80.18833	1997.61	BB	MAIN	0.61	08	1997	1997-08	0.0012	0.0000	0.0012	0.0211	0.2378	0.0223	0.2156	0.0071	0.0004	0.1587	0.2962	3.1560		36.40	36.40	31.50	31.50	6.00	6.20	0.36			74.68	127.40	7.00	93.09	96.19
78.0	13-Aug-97		113	Elliott Key	25.44167	-80.22333	1997.61	BB	MAIN	0.61	08	1997	1997-08	0.0125	0.0109	0.0016	0.0426	0.2922	0.0551	0.2372	0.0075	0.0002	0.1732	0.2379	3.5113		34.70	34.70	30.80	30.80	5.40	5.50	0.53			86.07	524.33	16.22	82.54	84.07
78.0	13-Aug-97		116	Rubicon Keys	25.40000	-80.25500	1997.61	BB	MAIN	0.61	08	1997	1997-08	0.0082	0.0072	0.0010	0.0175	0.2391	0.0257	0.2134	0.0075	0.0002	0.1283	0.3734	3.3790		34.70	34.90	31.00	31.20	5.80	5.70	0.56			70.44	244.67	7.57	88.77	87.45
78.0	13-Aug-97		121	Card Sound North	25.35500	-80.29167	1997.61	BB	SCARD	0.61	08	1997	1997-08	0.0055	0.0050	0.0005	0.0149	0.2620	0.0204	0.2416	0.0074	0.0014	0.1454	0.2429	3.7368		34.30	34.70	31.10	31.30	6.20	6.10	0.55			78.78	32.39	6.14	94.71	93.53
78.0	13-Aug-97		122	West Arsenicker	25.42017	-80.31083	1997.61	BB	IS	0.61	08	1997	1997-08	0.0203	0.0190	0.0013	0.0245	0.4063	0.0448	0.3615	0.0068	0.0006	0.2340	0.3982	5.1840		31.10	31.10	30.60	30.60	5.40	5.40	0.49			131.92	160.00	14.55	80.60	80.60
78.0	13-Aug-97		123	Pelican Bank	25.44500	-80.28333	1997.61	BB	MAIN	0.61	08	1997	1997-08	0.0204	0.0187	0.0017	0.0252	0.3702	0.0456	0.3245	0.0064	0.0002	0.2142	0.2913	4.4133		31.90	31.80	30.60	30.60	5.40	5.40	0.52			128.97	651.50	15.89	81.01	80.96
78.0	13-Aug-97		124	Midbay South	25.47250	-80.23333	1997.61	BB	MAIN	0.61	08	1997	1997-08	0.0133	0.0122	0.0011	0.0360	0.3089	0.0493	0.2597	0.0056	0.0004	0.1970	0.2684	3.8828		33.40	33.40	30.90	30.90	5.80	5.90	0.75			122.60	281.60	19.56	88.00	89.51
78.0	14-Aug-97		126	BNP Marker B	25.67167	-80.20500	1997.62	BB	MAIN	0.62	08	1997	1997-08	0.0145	0.0127	0.0018	0.0283	0.4261	0.0427	0.3834	0.0053	0.0005	0.1297	0.2741	5.5855		28.20	34.70	32.80	31.60	6.30	7.20	0.82			176.45	174.43	17.70	93.62	110.60
78.0	14-Aug-97		127	Shoal Point	25.63000	-80.25000	1997.62	BB	IS	0.62	08	1997	1997-08	0.0109	0.0090	0.0019	0.0318	0.4731	0.0427	0.4305	0.0060	0.0000	0.2458	0.2049	5.6615		31.00	31.70	31.50	31.50	5.40	5.90	0.34			173.31		15.63	81.03	88.91
78.0	14-Aug-97		128	Matheson Beach	25.68833	-80.23333	1997.62	BB	IS	0.62	08	1997	1997-08	0.0099	0.0074	0.0026	0.0257	0.4147	0.0356	0.3791	0.0071	0.0005	0.1310	0.2700	4.9093		30.80	31.30	32.20	31.90	5.40	5.90	0.26			128.78	169.50	11.05	81.26	88.91
78.0	14-Aug-97		129	Marker G-71	25.73667	-80.18500	1997.62	BB	MAIN	0.62	08	1997	1997-08	0.0070	0.0046	0.0025	0.0293	0.4041	0.0363	0.3678	0.0087	0.0002	0.1337	1.2355	4.4158		32.10	32.90	31.70	31.50	5.60	6.30	0.46			103.10	518.50	9.26	84.70	95.65
78.0	14-Aug-97		130	South Dodge Island	25.76333	-80.17167	1997.62	BB	NBAY	0.62	08	1997	1997-08	0.0205	0.0173	0.0032	0.0342	0.3627	0.0547	0.3079	0.0085	0.0001	0.3458	1.6518	4.7183		30.20	30.80	31.90	31.70	6.50	6.80	1.48			94.20	1564.00	14.22	97.29	102.03
78.0	14-Aug-97		131	North Venetian Basin	25.80000	-80.16667	1997.62	BB	NBAY	0.62	08	1997	1997-08	0.0382	0.0347	0.0035	0.0322	0.3465	0.0705	0.2761	0.0091	0.0000	0.0946	0.7317	4.3780		30.00	31.10	32.00	31.90	5.90	6.20	0.58			83.91		17.06	88.25	93.31
78.0	14-Aug-97		132	North I-195 Basin	25.81667	-80.16667	1997.62	BB	NBAY	0.62	08	1997	1997-08	0.0183	0.0150	0.0033	0.0400	0.4476	0.0583	0.3892	0.0103	0.0002	0.2634	0.8606	5.5625		29.10	29.10	32.20	32.20	5.80	5.90	0.25			96.14	555.33	12.53	86.38	87.87
78.0	14-Aug-97		133	North Normandy Isle	25.86667	-80.15000	1997.62	BB	NBAY	0.62	08	1997	1997-08	0.0457	0.0431	0.0027	0.0215	0.4485	0.0672	0.3813	0.0136	0.0005	0.3660	2.1076	5.9875		25.60	32.10	32.50	32.90	6.50	6.20	0.81			72.80	274.29	10.91	94.90	94.41
78.0	14-Aug-97		134	Oleta River Park	25.90500	-80.13333	1997.62	BB	NBAY	0.62	08	1997	1997-08	0.1531	0.1370	0.0161	0.1119	0.7226	0.2650	0.4576	0.0136	0.0004	0.3336	1.9892	8.2083		24.30	34.40	32.00	31.20	5.20	5.80	0.93			117.97	1514.00	43.26	75.10	88.71
78.0	13-Aug-97		135	South Card Sound	25.31667	-80.31667	1997.61	BB	SCARD	0.61	08	1997	1997-08	0.0120	0.0099	0.0021	0.0313	0.3918	0.0432	0.3485	0.0073	0.0001	0.1256	0.3665	4.7930		30.60	30.90	30.90	31.20	6.20	6.10	0.19			119.07	1235.00	13.14	92.44	91.30
79.0	03-Sep-97		101	Convoy Point	25.47833	-80.32083	1997.67	BB	AS	0.67	09	1997	1997-09	0.1190	0.1124	0.0066	0.0322	0.5828	0.1511	0.4317	0.0052	0.0003	0.4408	0.3950	5.2708		26.20	27.60	29.20	29.70	4.50	4.70	0.20			248.53	1079.50	64.45	64.48	68.20
79.0	03-Sep-97		102	Black Point	25.54583	-80.29467	1997.67	BB	AS	0.67	09	1997	1997-09	0.1467	0.1354	0.0113	0.0347	0.6169	0.1814	0.4356	0.0051	0.0001	0.4065	0.4105	5.2643		24.80	24.80	28.80	28.90	4.60	4.60	0.30			267.08	5182.00	78.52	65.12	65.17
79.0	03-Sep-97		103	Near Black Ledge	25.57333	-80.28667	1997.67	BB	IS	0.67	09	1997	1997-09	0.0562	0.0500	0.0062	0.0210	0.5314	0.0772	0.4542	0.0047	0.0002	0.5134	0.4560	5.4155		26.10	26.00	28.90	28.90	5.70	5.80	0.45			248.91	1102.50	36.15	81.42	82.80
79.0	04-Sep-97		104	BNP Marker C	25.60167	-80.22083	1997.67	BB	MAIN	0.67	09	1997	1997-09	0.0061	0.0043	0.0019	0.0092	0.2391	0.0153	0.2238	0.0034	0.0001	0.1624	0.4191	3.1855		35.40	35.40	29.30	29.30	5.10	5.10	0.75			155.26	437.00	9.93	77.47	77.47
79.0	04-Sep-97		108	Marker G-1B	25.56917	-80.19250	1997.67	BB	MAIN	0.67	09	1997	1997-09	0.0017	0.0011	0.0006	0.0034	0.1707	0.0051	0.1656	0.0035	0.0000	0.1493	0.2971	2.7255		35.30	35.30	29.50	29.50	5.10	5.20	0.30			108.36		3.22	77.54	79.06
79.0	03-Sep-97		109	Midbay North	25.56417	-80.23500	1997.67	BB	MAIN	0.67	09	1997	1997-09	0.0056	0.0038	0.0018	0.0098	0.2146	0.0154	0.1992	0.0033	0.0000	0.1465	0.3487	3.0108		35.50	35.50	29.10	29.10	5.00	5.00	0.65			142.58		10.21	75.88	75.88
79.0	03-Sep-97		110	Fender Point	25.50500	-80.28750	1997.67	BB	IS	0.67	09	1997	1997-09	0.1008	0.0957	0.0050	0.0305	0.4636	0.1312	0.3323	0.0036	0.0000	0.1795	0.2336	4.2013		30.40	30.40	28.70	28.80	5.20	5.10	0.25			287.92		81.50	76.19	74.78
79.0	03-Sep-97		111	Featherbed Bank	25.51583	-80.24000	1997.67	BB	MAIN	0.67	09	1997	1997-09	0.0048	0.0032	0.0016	0.0105	0.2757	0.0153	0.2604	0.0033	0.0000	0.1755	0.2551	3.3403		35.60	35.60	29.00	29.00	4.50	4.50	0.65			187.55		10.40	68.29	68.29
79.0	03-Sep-97		112	Sands Cut	25.48833	-80.18833	1997.67	BB	MAIN	0.67	09	1997	1997-09	0.0033	0.0020	0.0013	0.0088	0.1753	0.0120	0.1633	0.0036	0.0000	0.1425	0.2293	2.7210		35.00	35.00	29.00	29.00	4.10	4.00	0.60			108.91		7.48	61.98	60.47
79.0	03-Sep-97		113	Elliott Key	25.44167	-80.22333	1997.67	BB	MAIN	0.67	09	1997	1997-09	0.0224	0.0208	0.0016	0.0214	0.2605	0.0438	0.2167	0.0037	0.0002	0.1676	0.1984	3.1483		34.70	34.80	28.80	28.90	4.90	4.90	0.45			155.05	625.50	26.06	73.82	73.92
79.0	03-Sep-97		116	Rubicon Keys	25.40000	-80.25500	1997.67	BB	MAIN	0.67	09	1997	1997-09	0.0103	0.0089	0.0014	0.0144	0.2720	0.0247	0.2473	0.0040	0.0000	0.2046	0.2078	3.4008		34.70	34.70	28.70	28.70	2.80	2.80	0.40			149.45		13.56	42.15	42.15
79.0	03-Sep-97		121	Card Sound North	25.35500	-80.29167	1997.67	BB	SCARD	0.67	09	1997	1997-09	0.0133	0.0114	0.0020	0.0196	0.4720	0.0329	0.4391	0.0040	0.0002	0.1346	0.1846	5.8368		29.20	34.60	28.40	29.50	5.80	3.60	0.00			264.45	313.67	18.45	84.13	54.49
79.0	03-Sep-97		122	West Arsenicker	25.42017	-80.31083	1997.67	BB	IS	0.67	09	1997	1997-09	0.0384	0.0361	0.0023	0.0279	0.4162	0.0663	0.3499	0.0036	0.0002	0.2112	0.3212	4.8558		30.40	30.50	28.70	28.70	4.00	3.90	0.15			258.51	946.50	41.15	58.61	57.18
79.0	03-Sep-97		123	Pelican Bank	25.44500	-80.28333	1997.67	BB	MAIN	0.67	09	1997	1997-09	0.1538	0.1474	0.0064	0.0331	0.5591	0.1869	0.3722	0.0051	0.0004	0.2904	0.3169	5.2748		25.30	31.40	27.50	29.00	5.60	4.50	0.15			242.05	1068.00	80.91	78.62	66.51
79.0	03-Sep-97		124	Midbay South	25.47250	-80.23333	1997.67	BB	MAIN	0.67	09	1997	1997-09	0.0052	0.0046	0.0006	0.0363	0.3048	0.0415	0.2633	0.0033	0.0003	0.2257	0.7394	3.6843		34.40	34.40	29.20	29.20	5.20	5.30	0.30			202.54	296.25	27.56	78.44	79.94
79.0	04-Sep-97		126	BNP Marker B	25.67167	-80.20500	1997.67	BB	MAIN	0.67	09	1997	1997-09	0.0096	0.0077	0.0019	0.0097	0.2862	0.0193	0.2669	0.0033	0.0000	0.2073	0.2834	3.8108		33.10	34.00	29.00	29.10	5.20	5.10	0.35			194.69		13.14	77.68	76.68
79.0	04-Sep-97		127	Shoal Point	25.63000	-80.25000	1997.67	BB	IS	0.67	09	1997	1997-09	0.0221	0.0194	0.0026	0.0138	0.3864	0.0358	0.3505	0.0045	0.0001	0.1856	0.3727	4.5715		29.80	30.90	29.90	29.90	4.40	4.50	0.05			190.33	1024.00	17.66	64.83	66.76
79.0	04-Sep-97		128	Matheson Beach	25.68833	-80.23333	1997.67	BB	IS	0.67	09	1997	1997-09	0.0415	0.0368	0.0047	0.0129	0.4388	0.0544	0.3844	0.0085	0.0000	0.2537	1.9838	4.7198		29.40	30.60	30.30	30.00	4.50	4.80	0.35			113.97		14.14	66.33	71.12
79.0	04-Sep-97		129	Marker G-71	25.73667	-80.18500	1997.67	BB	MAIN	0.67	09	1997	1997-09	0.0144	0.0121	0.0023	0.0287	0.3871	0.0431	0.3440	0.0069	0.0002	0.1406	0.7128	4.6793		30.70	31.70	29.70	29.60	5.30	5.40	1.00			124.26	615.00	13.82	78.41	80.33
79.0	04-Sep-97		130	South Dodge Island	25.76333	-80.17167	1997.67	BB	NBAY	0.67	09	1997	1997-09	0.0207	0.0184	0.0023	0.0283	0.3454	0.0490	0.2965	0.0064	0.0002	0.1392	0.6424	4.2200		31.40	32.30	29.70	29.70	5.30	5.20	0.90			118.91	466.33	16.86	78.75	77.70
79.0	04-Sep-97		131	North Venetian Basin	25.80000	-80.16667	1997.67	BB	NBAY	0.67	09	1997	1997-09	0.0299	0.0269	0.0030	0.0272	0.3448	0.0572	0.2877	0.0070	0.0002	0.1160	0.8708	4.3495		30.70	30.70	30.00	30.00	5.20	5.30	1.25			109.47	816.50	18.14	77.10	78.58

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
79.0	04-Sep-97		132	North I-195 Basin	25.81667	-80.16667	1997.67	BB	NBAY	0.67	09	1997	1997-09	0.0374	0.0336	0.0039	0.0207	0.3554	0.0581	0.2974	0.0071	0.0001	0.1131	1.1448	4.0860		30.10	30.00	30.00	30.00	4.70	4.70	0.55			111.59	1659.00	18.23	69.43	69.38
79.0	04-Sep-97		133	North Normandy Isle	25.86667	-80.15000	1997.67	BB	NBAY	0.67	09	1997	1997-09	0.0489	0.0437	0.0053	0.0416	0.4421	0.0905	0.3516	0.0108	0.0000	0.2581	1.5433	5.2280		26.60	30.40	30.10	30.60	5.50	4.70	0.45			90.88		18.61	79.55	69.85
79.0	04-Sep-97		134	Oleta River Park	25.90500	-80.13333	1997.67	BB	NBAY	0.67	09	1997	1997-09	0.0580	0.0517	0.0064	0.0475	0.4120	0.1055	0.3065	0.0098	0.0000	0.2668	1.5828	5.1253		31.40	34.60	29.80	29.90	5.10	5.10	0.50			93.43		23.93	75.84	77.42
79.0	03-Sep-97		135	South Card Sound	25.31667	-80.31667	1997.67	BB	SCARD	0.67	09	1997	1997-09	0.0119	0.0098	0.0021	0.0201	0.4759	0.0320	0.4439	0.0040	0.0000	0.1821	0.2688	6.1948		28.50	34.10	28.10	29.80	5.80	3.30	0.00			261.50		17.60	83.54	49.91
80.0	01-Oct-97		101	Convoy Point	25.47833	-80.32083	1997.75	BB	AS	0.75	10	1997	1997-10	0.2526	0.2485	0.0041	0.0332	0.5993	0.2858	0.3135	0.0062	0.0010	0.6619	0.4028	5.0625	0.4597	26.50	26.60	29.30	29.20	6.30	6.20	0.55			214.05	628.15	102.08	90.51	89.06
80.0	01-Oct-97		102	Black Point	25.54583	-80.29467	1997.75	BB	AS	0.75	10	1997	1997-10	0.2190	0.2035	0.0155	0.0438	0.7212	0.2628	0.4585	0.0087	0.0012	0.3082	0.2491	5.2358	0.6848	19.30	20.00	28.90	28.90	5.40	5.70	0.25			183.99	500.53	67.04	73.91	78.36
80.0	01-Oct-97		103	Near Black Ledge	25.57333	-80.28667	1997.75	BB	IS	0.75	10	1997	1997-10	0.1761	0.1667	0.0093	0.0280	0.5535	0.2040	0.3495	0.0056	0.0010	0.4245	0.2662	4.3555	0.2314	24.50	24.60	28.50	28.60	6.50	6.50	0.35			219.66	448.38	80.96	91.61	91.75
80.0	01-Oct-97		104	BNP Marker C	25.60167	-80.22083	1997.75	BB	MAIN	0.75	10	1997	1997-10	0.0168	0.0140	0.0028	0.0155	0.2649	0.0323	0.2326	0.0049	0.0003	0.0975	0.3195	3.3465	0.0771	33.00	33.00	28.70	28.70	5.60	5.60	0.55			120.16	231.00	14.67	83.40	83.40
80.0	01-Oct-97		108	Marker G-1B	25.56917	-80.19250	1997.75	BB	MAIN	0.75	10	1997	1997-10	0.0034	0.0027	0.0007	0.0036	0.1889	0.0070	0.1819	0.0040	0.0002	0.0597	0.1563	3.2783	0.0432	33.80	33.90	28.30	28.40	4.80	5.00	0.20			105.82	66.33	3.90	71.61	74.71
80.0	01-Oct-97		109	Midbay North	25.56417	-80.23500	1997.75	BB	MAIN	0.75	10	1997	1997-10	0.0063	0.0048	0.0014	0.0082	0.2229	0.0144	0.2084	0.0040	0.0004	0.0943	0.2422	3.2628	0.0513	33.30	33.30	28.60	28.60	5.50	5.70	0.65			122.45	82.40	7.92	82.00	84.98
80.0	01-Oct-97		110	Fender Point	25.50500	-80.28750	1997.75	BB	IS	0.75	10	1997	1997-10	0.1052	0.1004	0.0048	0.0251	0.4404	0.1303	0.3101	0.0059	0.0005	0.1384	0.2937	4.3930	0.1960	26.60	26.70	29.10	29.00	6.30	6.00	0.35			165.55	531.71	48.97	90.42	86.10
80.0	01-Oct-97		111	Featherbed Bank	25.51583	-80.24000	1997.75	BB	MAIN	0.75	10	1997	1997-10	0.0095	0.0077	0.0018	0.0101	0.2419	0.0196	0.2223	0.0049	0.0000	0.1211	0.3186	3.3653	0.0799	32.80	32.70	28.30	28.30	4.90	4.80	0.50			109.72		8.89	72.65	71.12
80.0	01-Oct-97		112	Sands Cut	25.48833	-80.18833	1997.75	BB	MAIN	0.75	10	1997	1997-10	0.0058	0.0046	0.0012	0.0058	0.1998	0.0116	0.1882	0.0053	0.0001	0.0865	0.2594	3.0338	0.0184	33.80	34.00	28.30	28.40	5.50	8.40	0.40			82.73	331.00	4.80	82.06	125.58
80.0	01-Oct-97		113	Elliott Key	25.44167	-80.22333	1997.75	BB	MAIN	0.75	10	1997	1997-10	0.0107	0.0095	0.0012	0.0149	0.2754	0.0256	0.2498	0.0050	0.0001	0.2170	0.2697	3.7290	0.0230	31.90	31.90	28.20	28.20	6.30	6.30	0.40			121.05	730.00	11.23	92.79	92.79
80.0	01-Oct-97		116	Rubicon Keys	25.40000	-80.25500	1997.75	BB	MAIN	0.75	10	1997	1997-10	0.0151	0.0134	0.0018	0.0151	0.3320	0.0302	0.3017	0.0055	0.0002	0.1918	0.2327	4.1285	0.0638	28.90	32.60	28.10	28.70	7.70	4.20	0.45			133.60	288.00	12.17	111.19	62.39
80.0	01-Oct-97		121	Card Sound North	25.35500	-80.29167	1997.75	BB	SCARD	0.75	10	1997	1997-10	0.0246	0.0219	0.0027	0.0279	0.5346	0.0525	0.4822	0.0054	0.0005	0.1604	0.2164	6.3318	0.1762	24.30	32.60	28.30	29.30	6.40	5.70	0.40			218.22	249.83	21.41	89.93	85.08
80.0	01-Oct-97		122	West Arsenicker	25.42017	-80.31083	1997.75	BB	IS	0.75	10	1997	1997-10	0.0258	0.0245	0.0013	0.0167	0.4208	0.0425	0.3783	0.0044	0.0005	0.2453	0.2525	5.0503	0.0737	27.60	27.60	28.30	28.30	7.70	8.10	0.25			210.93	202.50	21.32	110.47	116.21
80.0	01-Oct-97		123	Pelican Bank	25.44500	-80.28333	1997.75	BB	MAIN	0.75	10	1997	1997-10	0.0284	0.0265	0.0019	0.0265	0.4252	0.0549	0.3703	0.0057	0.0005	0.1604	0.2516	4.4698	0.0810	29.70	29.70	28.40	28.40	5.20	5.20	0.75			164.16	224.00	21.19	75.66	75.66
80.0	01-Oct-97		124	Midbay South	25.47250	-80.23333	1997.75	BB	MAIN	0.75	10	1997	1997-10	0.0125	0.0112	0.0013	0.0310	0.3348	0.0435	0.2913	0.0050	0.0003	0.2327	0.2731	3.9088	0.0609	31.90	31.90	28.40	28.40	5.70	5.70	0.65			147.16	310.75	19.12	84.10	84.10
80.0	02-Oct-97		126	BNP Marker B	25.67167	-80.20500	1997.75	BB	MAIN	0.75	10	1997	1997-10	0.0415	0.0375	0.0040	0.0175	0.3529	0.0590	0.2939	0.0059	0.0007	0.0825	0.4011	3.6080	0.1732	29.90	31.00	28.10	28.30	5.60	5.40	0.50			132.67	187.44	22.20	81.38	79.15
80.0	02-Oct-97		127	Shoal Point	25.63000	-80.25000	1997.75	BB	IS	0.75	10	1997	1997-10	0.0335	0.0301	0.0034	0.0146	0.3810	0.0482	0.3328	0.0062	0.0011	0.1438	0.3770	4.3745	0.3365	26.30	26.30	29.20	29.20	5.90	6.20	0.10			136.06	98.29	17.20	84.59	88.89
80.0	02-Oct-97		128	Matheson Beach	25.68833	-80.23333	1997.75	BB	IS	0.75	10	1997	1997-10	0.0595	0.0552	0.0043	0.0158	0.3556	0.0754	0.2802	0.0062	0.0012	0.0825	0.5136	4.1020	0.2165	27.20	27.60	30.00	29.50	5.30	7.20	0.20			127.00	143.53	26.91	76.89	104.31
80.0	02-Oct-97		129	Marker G-71	25.73667	-80.18500	1997.75	BB	MAIN	0.75	10	1997	1997-10	0.0490	0.0443	0.0047	0.0422	0.3519	0.0912	0.2606	0.0088	0.0003	0.0513	0.5179	4.1598	0.3132	29.00	29.40	28.40	28.20	5.20	5.20	0.80			88.97	651.75	23.07	75.33	75.39
80.0	02-Oct-97		130	South Dodge Island	25.76333	-80.17167	1997.75	BB	NBAY	0.75	10	1997	1997-10	0.0761	0.0673	0.0088	0.1143	0.5050	0.1904	0.3147	0.0109	0.0007	0.0463	0.5084	5.3548	0.9987	31.60	33.80	28.40	28.20	5.70	5.60	0.85			103.07	604.33	38.85	83.94	83.48
80.0	02-Oct-97		131	North Venetian Basin	25.80000	-80.16667	1997.75	BB	NBAY	0.75	10	1997	1997-10	0.0661	0.0613	0.0049	0.0419	0.3643	0.1080	0.2563	0.0084	0.0002	0.0375	0.6372	4.0958	0.4462	28.90	30.80	28.60	28.40	4.90	5.60	0.90			95.50	1543.50	28.32	71.06	82.05
80.0	02-Oct-97		132	North I-195 Basin	25.81667	-80.16667	1997.75	BB	NBAY	0.75	10	1997	1997-10	0.0630	0.0581	0.0049	0.0348	0.3819	0.0978	0.2841	0.0082	0.0003	0.0500	0.6235	4.6230	0.3915	26.80	27.60	28.90	28.50	4.50	5.60	0.30			102.94	698.25	26.35	64.56	80.48
80.0	02-Oct-97		133	North Normandy Isle	25.86667	-80.15000	1997.75	BB	NBAY	0.75	10	1997	1997-10	0.0798	0.0732	0.0066	0.0874	0.5030	0.1671	0.3359	0.0131	0.0012	0.0513	1.2178	5.8905	1.0128	22.60	31.60	29.30	29.20	5.40	4.80	0.40			85.04	318.33	28.25	75.71	71.14
80.0	02-Oct-97		134	Oleta River Park	25.90500	-80.13333	1997.75	BB	NBAY	0.75	10	1997	1997-10	0.0717	0.0648	0.0069	0.0526	0.3780	0.1243	0.2537	0.0123	0.0007	0.0713	1.6034	4.7435	0.6590	28.30	35.10	29.00	28.10	5.30	5.60	0.50			67.92	394.67	22.34	76.82	84.10
80.0	01-Oct-97		135	South Card Sound	25.31667	-80.31667	1997.75	BB	SCARD	0.75	10	1997	1997-10	0.0301	0.0273	0.0028	0.0427	0.5914	0.0729	0.5185	0.0067	0.0011	0.1824	0.3032	7.1658	0.2599	22.90	32.50	28.60	29.20	6.30	4.30	0.25			194.22	148.71	23.93	87.98	64.09
81.0	06-Nov-97		101	Convoy Point	25.47833	-80.32083	1997.85	BB	AS	0.85	11	1997	1997-11	0.2154	0.2074	0.0079	0.0737	0.6273	0.2891	0.3382	0.0067	0.0000	0.2524	0.1357	3.8625		23.40	26.50	23.60	23.40	6.20	8.10	0.45			208.40		96.03	82.47	109.67
81.0	06-Nov-97		102	Black Point	25.54583	-80.29467	1997.85	BB	AS	0.85	11	1997	1997-11	0.0864	0.0821	0.0043	0.0152	0.4205	0.1016	0.3189	0.0053	0.0001	0.1478	0.1657	3.3105		26.90	27.00	23.30	23.30	7.30	7.50	0.35			176.69	2903.00	42.69	98.97	101.75
81.0	05-Nov-97		103	Near Black Ledge	25.57333	-80.28667	1997.84	BB	IS	0.84	11	1997	1997-11	0.0272	0.0244	0.0028	0.0142	0.3422	0.0414	0.3008	0.0064	0.0001	0.2381	0.2405	3.0248		29.40	29.40	22.60	22.60	7.10	7.10	0.50			117.79	1183.00	14.25	96.99	96.99
81.0	05-Nov-97		104	BNP Marker C	25.60167	-80.22083	1997.84	BB	MAIN	0.84	11	1997	1997-11	0.0039	0.0021	0.0018	0.0099	0.2091	0.0139	0.1953	0.0054	0.0001	0.0430	0.3238	1.7898		35.40	35.40	23.30	23.30	6.20	6.20	0.95			85.36	396.00	5.66	88.85	88.85
81.0	06-Nov-97		108	Marker G-1B	25.56917	-80.19250	1997.85	BB	MAIN	0.85	11	1997	1997-11	0.0013	0.0009	0.0003	0.0040	0.1780	0.0053	0.1728	0.0053	0.0001	0.0808	0.1314	1.7968		34.30	34.30	23.60	23.60	6.70	6.90	0.55			74.80	150.00	2.21	95.67	98.52
81.0	06-Nov-97		109	Midbay North	25.56417	-80.23500	1997.85	BB	MAIN	0.85	11	1997	1997-11	0.0049	0.0034	0.0015	0.0074	0.1741	0.0123	0.1618	0.0057	0.0000	0.1080	0.1795	1.8905		35.30	35.30	23.60	23.60	6.30	6.10	0.75			68.15		4.81	90.54	87.67
81.0	06-Nov-97		110	Fender Point	25.50500	-80.28750	1997.85	BB	IS	0.85	11	1997	1997-11	0.0693	0.0658	0.0035	0.0186	0.3295	0.0879	0.2416	0.0058	0.0002	0.1472	0.2001	3.0195		28.90	28.90	23.20	23.30	7.00	7.10	0.50			125.52	1255.00	33.47	96.03	97.53
81.0	06-Nov-97		111	Featherbed Bank	25.51583	-80.24000	1997.85	BB	MAIN	0.85	11	1997	1997-11	0.0048	0.0034	0.0013	0.0086	0.1495	0.0134	0.1361	0.0064	0.0000	0.0904	0.1408	1.8630		34.60	34.70	23.10	23.00	6.30	6.40	0.45			51.48		4.61	89.59	90.97
81.0	06-Nov-97		112	Sands Cut	25.48833	-80.18833	1997.85	BB	MAIN	0.85	11	1997	1997-11	0.0012	0.0006	0.0006	0.0054	0.1171	0.0066	0.1105	0.0062	0.0000	0.0615	0.1537	1.6063		35.10	35.10	23.30	23.30	6.40	6.50	0.35			41.83		2.36	91.53	92.96
81.0	06-Nov-97		113	Elliott Key	25.44167	-80.22333	1997.85	BB	MAIN	0.85	11	1997	1997-11	0.0054	0.0049	0.0006	0.0099	0.2043	0.0154	0.1889	0.0051	0.0000	0.1317	0.1511	2.2008		33.70	33.70	22.90	22.90	6.80	6.70	0.25			88.42		6.65	95.90	94.49
81.0	06-Nov-97		116	Rubicon Keys	25.40000	-80.25500	1997.85	BB	MAIN	0.85	11	1997	1997-11	0.0119	0.0107	0.0012	0.0136	0.2515	0.0255	0.2260	0.0059	0.0002	0.1300	0.1924	2.6208		33.00	33.00	22.70	22.70	6.00	6.00	0.80			94.54	243.00	9.59	84.03	84.03
81.0	06-Nov-97		121	Card Sound North	25.35500	-80.29167	1997.85	BB	SCARD	0.85	11	1997	1997-11	0.0091	0.0080	0.0011	0.0152	0.3388	0.0244	0.3145	0.0056	0.0002	0.1324	0.3075	3.5848		31.20	32.10	23.30	22.80	6.10	6.40	0.20			134.46	232.00	9.67	85.05	89.21
81.0	06-Nov-97		122	West Arsenicker	25.42017	-80.31083	1997.85	BB	IS	0.85	11	1997	1997-11	0.0172	0.0156	0.0016	0.0184	0.3544	0.0356	0.3187	0.0050	0.0000	0.3701	0.2911	3.5485		27.90	28.20	21.90	22.10	6.50	6.50	0.30			155.76		15.66	87.13	87.53
81.0	06-Nov-97		123	Pelican Bank	25.44500	-80.28333	1997.85	BB	MAIN	0.85	11	1997	1997-11	0.0915	0.0875	0.0040	0.0262	0.3903	0.1177	0.2726	0.0053	0.0002	0.2337	0.1142	3.6105		29.10	29.60	22.00	22.10	6.50	6.60	0.50			161.61	1120.67	48.72	87.94	89.70
81.0	06-Nov-97		124	Midbay South	25.47250	-80.23333	1997.85	BB	MAIN	0.85	11	1997	1997-11	0.0096	0.0087	0.0009	0.0216	0.2642	0.0312	0.2331	0.0060	0.0002	0.2014	0.3427	2.4670		33.80	33.80	23.40	23.10	6.30	6.60	1.10			96.79	445.50	11.42	89.45	93.37
81.0	05-Nov-97		126	BNP Marker B	25.67167	-80.20500	1997.84	BB	MAIN	0.84	11	1997	1997-11	0.0060	0.0042	0.0019	0.0183	0.2364	0.0243	0.2121	0.0064	0.0000	0.0446	0.2293	2.3823		33.60	33.60	23.60	23.60	6.10	6.20	1.75			82.37		8.46	86.70	88.12
81.0	05-Nov-97		127	Shoal Point	25.63000	-80.25000	1997.84	BB	IS	0.84	11	1997	1997-11	0.0088	0.0072	0.0016	0.0093	0.3033	0.0180	0.2853	0.0054	0.0002	0.1084	0.3014	3.2493		30.50	30.40	23.40	23.40	6.40	6.40	0.30			123.80	171.67	7.36	88.94	88.88
81.0	05-Nov-97		128	Matheson Beach	25.68833	-80.23333	1997.84	BB	IS	0.84	11	1997	1997-11	0.0184	0.0165	0.0020	0.0180	0.3141	0.0365	0.2776	0.0067	0.0004	0.0798	0.7540	3.6555		29.20	29.20	22.80	22.80	6.70	6.80	0.45			103.16	208.40	11.98	91.64	93.01
81.0	05-Nov-97		129	Marker G-71	25.73667	-80.18500	1997.84	BB	MAIN	0.84	11	1997	1997-11	0.0240	0.0213	0.0028	0.0344	0.2475	0.0585	0.1890	0.0084	0.0010	0.0409	0.7807	2.6200		32.30	32.50	24.00	24.00	5.90	5.90	1.15			64.86	128.46	15.32	83.54	83.65
81.0	05-Nov-97		130	South Dodge Island	25.76333	-80.17167	1997.84	BB	NBAY	0.84	11	1997	1997-11	0.0162	0.0144	0.0018	0.0148	0.1491	0.0310	0.1181	0.0078	0.0007	0.0194	0.5728	1.6638		34.80	34.70	24.80	24.80	5.80	5.90	1.70			42.60	98.44	8.86	84.22	85.61
81.0	05-Nov-97		131	North Venetian Basin	25.80000	-80.16667	1997.84	BB	NBAY	0.84	11	1997	1997-11	0.0301	0.0272	0.0029	0.0189	0.2202	0.0490	0.1712	0.0092	0.0008	0.0271	0.7678	2.3753		32.70	33.30	24.30	24.60	6.10	6.10	1.75			52.87	140.10	11.77	86.90	87.53
81.0	05-Nov-97		132	North I-195 Basin	25.81667	-80.16667	1997.84	BB	NBAY	0.84	11	1997	1997-11	0.0322	0.0289	0.0033	0.0213	0.2169	0.0535	0.1634	0.0097	0.0013	0.0302	0.8279	2.6850		31.80	31.80	23.90	23.70	5.90	5.90	1.05			49.59	89.94	12.23	83.18	82.98
81.0	05-Nov-97		133	North Normandy Isle	25.86667	-80.15000	1997.84	BB	NBAY	0.84	11	1997	1997-11	0.0291	0.0252	0.0039	0.0442	0.2185	0.0734	0.1451	0.0112	0.0009	0.0380	1.6489	2.3268		33.40	33.40	23.70	23.80	6.30	6.40	2.85			43.35	190.55	14.56	89.53	91.06
81.0	05-Nov-97		134	Oleta River Park	25.90500	-80.13333	1997.84	BB	NBAY	0.84	11	1997	1997-11	0.0102	0.0082	0.0020	0.0170	0.1178	0.0271	0.0907	0.0095	0.0011	0.0637	1.2805	1.5175		35.60	35.50	24.90	24.90	6.40	6.50	0.60			27.37	55.36	6.30	93.51	94.91
81.0	06-Nov-97		135	South Card Sound	25.31667	-80.31667	1997.85	BB	SCARD	0.85	11	1997	1997-11	0.0058	0.0044	0.0014	0.0163	0.2669	0.0221	0.2448	0.0059	0.0002	0.1713	0.2971	3.6773		30.40	30.90	23.80	23.40	6.10	6.40	0.25			100.34	210.67	8.32	85.12	89.17
82.0	03-Dec-97		101	Convoy Point	25.47833	-80.32083	1997.92	BB	AS	0.92	12	1997	1997-12	0.1341	0.1265	0.0076	0.0187	0.5292	0.1528	0.3764	0.0041	0.0010	0.2458	0.2199	4.4808		25.40	25.40	22.60	22.60	7.60	7.50	0.46			285.29	335.85	82.38	101.14	99.81
82.0	02-Dec-97		102	Black Point	25.54583	-80.29467	1997.92	BB	AS	0.92	12	1997	1997-12	0.0699	0.0652	0.0047	0.0128	0.4486	0.0827	0.3659	0.0063	0.0009	0.1590	0.2113	4.3100		27.10	27.10	22.30	22.30	6.50	6.50	0.10			158.24	197.00	29.19	87.13	87.13
82.0	02-Dec-97		103	Near Black Ledge	25.57333	-80.28667	1997.92	BB	IS	0.92	12	1997	1997-12	0.0060	0.0038	0.0022	0.0091	0.4167	0.0151	0.4017	0.0056	0.0007	0.3090	0.2001	4.6673		29.00	29.00	21.80	21.80	6.50	6.50	0.25			165.37	47.89	5.99	87.65	87.65
82.0	02-Dec-97		104	BNP Marker C	25.60167	-80.22083	1997.92	BB	MAIN	0.92	12	1997	1997-12	0.0036	0.0018	0.0018	0.0063	0.1984	0.0098	0.1886	0.0069	0.0003	0.0556	0.2697	2.7230		35.00	35.00	23.00	23.00	6.60	6.80	1.05			63.71	70.25	3.16	93.99	96.84
82.0	03-Dec-97		108	Marker G-1B	25.56917	-80.19250	1997.92	BB	MAIN	0.92	12	1997	1997-12	0.0025	0.0014	0.0011	0.0037	0.1426	0.0062	0.1363	0.0061	0.0006	0.0575	0.2121	2.3010		35.80	35.80	22.90	22.90	6.80	6.80	0.69			51.56	22.25	2.25	97.23	97.23
82.0	02-Dec-97		109	Midbay North	25.56417	-80.23500	1997.92	BB	MAIN	0.92	12	1997	1997-12	0.0022	0.0010	0.0012	0.0060	0.1688	0.0083	0.1606	0.0057	0.0002	0.0957	0.2250	2.4860		35.10	35.10	23.00	23.00	6.70	6.70	1.35			66.07	78.67	3.23	95.48	95.48
82.0	02-Dec-97		110	Fender Point	25.50500	-80.28750	1997.92	BB	IS	0.92	12	1997	1997-12	0.0959	0.0915	0.0043	0.0208	0.4587	0.1167	0.3420	0.0048	0.0010	0.1383	0.1915	4.0210		26.40	26.50	22.10	22.10	6.70	6.70	0.45			211.37	256.38	53.76	89.17	89.23
82.0	03-Dec-97		111	Featherbed Bank	25.51583	-80.24000	1997.92	BB	MAIN	0.92	12	1997	1997-12	0.0006	0.0000	0.0006	0.0043	0.1626	0.0049	0.1578	0.0060	0.0003	0.1046	0.1357	2.6040		34.60	34.60	21.90	21.90	6.40	6.40	0.73			59.57	34.75	1.78	89.65	89.65
82.0	03-Dec-97		112	Sands Cut	25.48833	-80.18833	1997.92	BB	MAIN	0.92	12	1997	1997-12	0.0007	0.0000	0.0007	0.0054	0.1416	0.0061	0.1356	0.0060	0.0002	0.0667	0.1846	2.3095		35.60	35.50	22.70	22.70	6.50	6.60	0.69			51.87	57.67	2.22	92.59	93.95
82.0	03-Dec-97		113	Elliott Key	25.44167	-80.22333	1997.92	BB	MAIN	0.92	12	1997	1997-12	0.0109	0.0102	0.0007	0.0205	0.2094	0.0314	0.1780	0.0053	0.0000	0.1726	0.5685	2.8140		34.50	34.40	22.10	22.20	6.40	6.40	1.45			87.98		13.21	89.83	89.88
82.0	03-Dec-97		116	Rubicon Keys	25.40000	-80.25500	1997.92	BB	MAIN	0.92	12	1997	1997-12	0.0060	0.0048	0.0011	0.0110	0.2088	0.0170	0.1918	0.0053	0.0002	0.0967	0.1554	2.8673		33.50	33.50	22.20	22.20	6.60	6.60	0.46			86.46	161.67	7.03	92.15	92.15
82.0	03-Dec-97		121	Card Sound North	25.35500	-80.29167	1997.92	BB	SCARD	0.92	12	1997	1997-12	0.0040	0.0029	0.0011	0.0057	0.2264	0.0096	0.2168	0.0068	0.0002	0.1216	0.3607	3.2548		32.40	32.60	22.70	22.70	6.60	6.60	0.66			73.50	137.50	3.13	92.07	92.19
82.0	03-Dec-97		122	West Arsenicker	25.42017	-80.31083	1997.92	BB	IS	0.92	12	1997	1997-12	0.0208	0.0187	0.0021	0.0105	0.3039	0.0313	0.2726	0.0047	0.0001	0.2510	0.2387	3.6508		29.90	29.90	21.80	21.80	6.80	6.70	0.33			144.69	894.00	14.90	92.23	90.88
82.0	03-Dec-97		123	Pelican Bank	25.44500	-80.28333	1997.92	BB	MAIN	0.92	12	1997	1997-12	0.0338	0.0317	0.0021	0.0123	0.2968	0.0461	0.2506	0.0044	0.0000	0.1177	0.1829	3.2803		31.20	31.20	22.00	22.00	6.80	6.90	0.47			148.76		23.12	93.27	94.64
82.0	03-Dec-97		124	Midbay South	25.47250	-80.23333	1997.92	BB	MAIN	0.92	12	1997	1997-12	0.0170	0.0155	0.0014	0.0222	0.2758	0.0391	0.2367	0.0050	0.0003	0.0837	0.2971	2.6828		33.70	33.70	22.50	22.50	6.60	6.60	1.06			123.14	279.50	17.47	92.62	92.62
82.0	02-Dec-97		126	BNP Marker B	25.67167	-80.20500	1997.92	BB	MAIN	0.92	12	1997	1997-12	0.0086	0.0069	0.0017	0.0149	0.3019	0.0235	0.2785	0.0056	0.0002	0.0543	0.4904	2.6853		33.30	33.50	22.90	22.80	6.30	6.80	2.05			119.80	223.33	9.31	88.62	95.66
82.0	02-Dec-97		127	Shoal Point	25.63000	-80.25000	1997.92	BB	IS	0.92	12	1997	1997-12	0.0309	0.0274	0.0035	0.0182	0.4413	0.0491	0.3922	0.0064	0.0007	0.0879	0.2173	4.7053		30.40	30.60	22.90	22.90	6.20	6.40	0.40			153.76	155.89	17.11	85.58	88.45
82.0	02-Dec-97		128	Matheson Beach	25.68833	-80.23333	1997.92	BB	IS	0.92	12	1997	1997-12	0.0190	0.0172	0.0018	0.0123	0.3180	0.0313	0.2867	0.0070	0.0005	0.0620	0.6295	3.2353		30.10	30.20	22.40	22.30	6.70	6.90	0.30			100.96	127.86	9.94	91.72	94.39
82.0	02-Dec-97		129	Marker G-71	25.73667	-80.18500	1997.92	BB	MAIN	0.92	12	1997	1997-12	0.0308	0.0279	0.0029	0.0240	0.3499	0.0548	0.2951	0.0077	0.0003	0.1008	1.0323	3.5923		31.80	31.70	23.20	23.20	6.30	6.20	1.50			100.98	391.25	15.81	88.08	86.63
82.0	02-Dec-97		130	South Dodge Island	25.76333	-80.17167	1997.92	BB	NBAY	0.92	12	1997	1997-12	0.0183	0.0161	0.0022	0.0122	0.2129	0.0305	0.1824	0.0074	0.0000	0.0504	0.8099	2.3883		34.00	34.00	23.60	23.60	6.20	6.20	1.25			63.37		9.07	88.35	88.35
82.0	02-Dec-97		131	North Venetian Basin	25.80000	-80.16667	1997.92	BB	NBAY	0.92	12	1997	1997-12	0.0334	0.0302	0.0032	0.0190	0.2442	0.0524	0.1918	0.0105	0.0003	0.0388	1.1465	2.6843		32.70	32.70	24.10	24.10	6.30	6.40	0.90			51.31	374.50	11.01	89.54	90.96
82.0	02-Dec-97		132	North I-195 Basin	25.81667	-80.16667	1997.92	BB	NBAY	0.92	12	1997	1997-12	0.0310	0.0277	0.0034	0.0164	0.2804	0.0475	0.2329	0.0102	0.0002	0.0465	1.0349	3.1080		31.50	31.50	23.10	23.20	6.60	6.60	1.15			60.69	678.00	10.27	91.98	92.09
82.0	02-Dec-97		133	North Normandy Isle	25.86667	-80.15000	1997.92	BB	NBAY	0.92	12	1997	1997-12	0.0426	0.0380	0.0046	0.0375	0.2903	0.0801	0.2102	0.0091	0.0000	0.0737	1.6420	2.9833		31.50	32.40	23.10	22.90	6.20	6.30	3.15			70.30		19.40	86.41	88.10
82.0	02-Dec-97		134	Oleta River Park	25.90500	-80.13333	1997.92	BB	NBAY	0.92	12	1997	1997-12	0.0292	0.0262	0.0029	0.0181	0.2167	0.0472	0.1694	0.0093	0.0000	0.0478	1.8387	2.4198		33.70	34.50	24.20	24.30	6.20	6.00	1.10			51.58		11.24	88.80	86.47
82.0	03-Dec-97		135	South Card Sound	25.31667	-80.31667	1997.92	BB	SCARD	0.92	12	1997	1997-12	0.0156	0.0132	0.0024	0.0147	0.3158	0.0303	0.2855	0.0057	0.0002	0.0994	0.4603	3.8175		30.10	31.40	22.50	22.70	6.90	6.90	0.55			121.93	289.00	11.72	94.57	95.62
83.0	07-Jan-98		101	Convoy Point	25.47833	-80.32083	1998.02	BB	AS	0.02	01	1998	1998-01	0.0145	0.0123	0.0022	0.0067	0.3496	0.0212	0.3285	0.0045	0.0009	0.1704	0.2276	3.5738	0.0220	27.50	27.50	24.80	24.90	7.90	7.80	1.05			172.38	50.46	10.44	109.43	108.17
83.0	07-Jan-98		102	Black Point	25.54583	-80.29467	1998.02	BB	AS	0.02	01	1998	1998-01	0.1051	0.1015	0.0036	0.0098	0.4254	0.1149	0.3105	0.0057	0.0009	0.1588	0.2817	3.9033	0.0809	21.70	21.70	24.60	24.60	8.40	8.60	0.30			166.66	298.80	45.02	111.83	114.49
83.0	07-Jan-98		103	Near Black Ledge	25.57333	-80.28667	1998.02	BB	IS	0.02	01	1998	1998-01	0.1091	0.1054	0.0037	0.0086	0.3366	0.1177	0.2189	0.0045	0.0008	0.1156	0.2104	3.0148	0.0159	25.40	25.30	24.20	24.20	7.90	7.90	0.80			165.94	336.58	58.03	107.22	107.15
83.0	08-Jan-98		104	BNP Marker C	25.60167	-80.22083	1998.02	BB	MAIN	0.02	01	1998	1998-01	0.0014	0.0004	0.0011	0.0065	0.1684	0.0079	0.1604	0.0051	0.0007	0.0451	0.1992	2.1225	0.0200	33.10	33.10	22.90	22.90	6.70	6.80	1.05			72.95	25.24	3.44	94.12	95.53
83.0	07-Jan-98		108	Marker G-1B	25.56917	-80.19250	1998.02	BB	MAIN	0.02	01	1998	1998-01	0.0006	0.0000	0.0006	0.0020	0.1454	0.0026	0.1428	0.0071	0.0002	0.0374	0.2061	1.9700	0.0227	34.30	34.30	24.10	24.10	7.80	7.90	0.60			45.19	37.03	0.81	112.02	113.45
83.0	07-Jan-98		109	Midbay North	25.56417	-80.23500	1998.02	BB	MAIN	0.02	01	1998	1998-01	0.0007	0.0000	0.0007	0.0029	0.1629	0.0036	0.1593	0.0051	0.0000	0.0362	0.2654	2.0573	0.0166	32.80	32.80	23.10	23.10	7.00	7.20	0.80			70.58		1.56	98.39	101.20
83.0	07-Jan-98		110	Fender Point	25.50500	-80.28750	1998.02	BB	IS	0.02	01	1998	1998-01	0.1040	0.1010	0.0030	0.0104	0.3282	0.1144	0.2138	0.0047	0.0012	0.0747	0.2405	2.9093	0.0001	25.10	25.00	24.40	24.40	7.70	7.80	0.45			153.86	218.05	53.62	104.55	105.84
83.0	08-Jan-98		111	Featherbed Bank	25.51583	-80.24000	1998.02	BB	MAIN	0.02	01	1998	1998-01	0.0008	0.0001	0.0007	0.0053	0.1512	0.0060	0.1452	0.0057	0.0002	0.0378	0.1563	2.0850	0.0171	33.70	33.50	24.40	24.40	6.30	6.30	0.90			58.43	86.07	2.33	90.43	90.31
83.0	07-Jan-98		112	Sands Cut	25.48833	-80.18833	1998.02	BB	MAIN	0.02	01	1998	1998-01	0.0005	0.0000	0.0005	0.0029	0.1439	0.0034	0.1405	0.0057	0.0002	0.0233	0.2327	2.1108	0.0001	33.90	33.90	23.60	23.70	7.40	7.40	0.35			55.61	49.04	1.33	105.39	105.51
83.0	07-Jan-98		113	Elliott Key	25.44167	-80.22333	1998.02	BB	MAIN	0.02	01	1998	1998-01	0.0071	0.0061	0.0010	0.0109	0.1555	0.0180	0.1375	0.0052	0.0002	0.1226	0.2542	1.9980	0.0000	33.50	33.40	23.40	23.40	6.70	6.70	0.70			66.37	171.81	7.69	94.94	94.88
83.0	07-Jan-98		116	Rubicon Keys	25.40000	-80.25500	1998.02	BB	MAIN	0.02	01	1998	1998-01	0.0021	0.0008	0.0012	0.0061	0.1498	0.0081	0.1417	0.0056	0.0010	0.1646	0.2250	1.9880	0.0070	34.00	33.90	23.60	23.70	6.90	7.10	0.45			59.49	17.86	3.22	98.33	101.23
83.0	07-Jan-98		121	Card Sound North	25.35500	-80.29167	1998.02	BB	SCARD	0.02	01	1998	1998-01	0.0183	0.0160	0.0023	0.0063	0.2181	0.0246	0.1935	0.0050	0.0009	0.0409	0.2765	3.0283	0.0001	29.40	30.10	23.20	23.20	6.80	6.80	0.20			95.95	58.63	10.82	93.59	94.02
83.0	07-Jan-98		122	West Arsenicker	25.42017	-80.31083	1998.02	BB	IS	0.02	01	1998	1998-01	0.0029	0.0020	0.0009	0.0066	0.2340	0.0095	0.2245	0.0051	0.0005	0.0969	0.3169	3.1673	0.0000	29.10	29.20	23.80	23.80	6.80	6.80	0.30			101.37	45.37	4.12	94.09	94.15
83.0	07-Jan-98		123	Pelican Bank	25.44500	-80.28333	1998.02	BB	MAIN	0.02	01	1998	1998-01	0.0062	0.0047	0.0015	0.0111	0.2187	0.0173	0.2014	0.0047	0.0002	0.0724	0.3392	2.6205	0.0000	30.80	31.00	23.10	23.00	6.90	7.00	0.90			102.52	247.71	8.12	95.72	97.12
83.0	07-Jan-98		124	Midbay South	25.47250	-80.23333	1998.02	BB	MAIN	0.02	01	1998	1998-01	0.0261	0.0253	0.0008	0.0091	0.2239	0.0352	0.1887	0.0041	0.0000	0.0420	0.1675	2.2228	0.0004	32.30	32.30	23.10	23.10	6.60	6.70	0.60			120.82		19.00	92.46	93.86
83.0	08-Jan-98		126	BNP Marker B	25.67167	-80.20500	1998.02	BB	MAIN	0.02	01	1998	1998-01	0.0092	0.0083	0.0009	0.0179	0.1843	0.0272	0.1571	0.0049	0.0001	0.0317	0.2078	2.2650	0.0223	30.80	32.50	23.10	22.90	7.00	7.00	0.80			83.65	776.66	12.33	97.11	97.95
83.0	08-Jan-98		127	Shoal Point	25.63000	-80.25000	1998.02	BB	IS	0.02	01	1998	1998-01	0.0264	0.0247	0.0017	0.0076	0.2128	0.0340	0.1788	0.0046	0.0005	0.0439	0.1829	2.4330	0.0129	30.10	33.00	23.70	23.10	6.70	6.80	0.25			103.15	161.97	16.47	93.20	95.70
83.0	08-Jan-98		128	Matheson Beach	25.68833	-80.23333	1998.02	BB	IS	0.02	01	1998	1998-01	0.0216	0.0196	0.0021	0.0072	0.2366	0.0288	0.2078	0.0042	0.0006	0.0610	0.2310	2.9813	0.0717	27.10	27.40	23.30	23.20	7.00	7.00	0.45			125.30	102.96	15.25	95.03	95.10
83.0	08-Jan-98		129	Marker G-71	25.73667	-80.18500	1998.02	BB	MAIN	0.02	01	1998	1998-01	0.0092	0.0074	0.0018	0.0167	0.2014	0.0260	0.1754	0.0057	0.0006	0.0244	0.4380	2.7300	0.0701	28.80	32.20	23.40	23.40	6.70	6.60	2.15			77.81	92.83	10.04	92.08	92.74
83.0	08-Jan-98		130	South Dodge Island	25.76333	-80.17167	1998.02	BB	NBAY	0.02	01	1998	1998-01	0.0097	0.0081	0.0016	0.0165	0.1996	0.0261	0.1735	0.0067	0.0009	0.0171	0.6664	2.6110	0.0754	29.40	29.40	23.60	23.60	6.80	6.90	1.80			66.38	67.97	8.69	94.05	95.43
83.0	08-Jan-98		131	North Venetian Basin	25.80000	-80.16667	1998.02	BB	NBAY	0.02	01	1998	1998-01	0.0247	0.0221	0.0026	0.0155	0.2327	0.0401	0.1925	0.0083	0.0011		0.7308	2.9288	0.1580	30.00	30.00	24.20	24.20	6.80	6.80	0.90			62.19	82.00	10.73	95.08	95.08
83.0	08-Jan-98		132	North I-195 Basin	25.81667	-80.16667	1998.02	BB	NBAY	0.02	01	1998	1998-01	0.0097	0.0076	0.0021	0.0069	0.1974	0.0166	0.1808	0.0055	0.0005	0.0390	0.4191	2.9765	0.0595	30.30	30.20	24.50	24.40	7.80	8.00	0.45			79.50	67.77	6.68	109.65	112.26
83.0	08-Jan-98		133	North Normandy Isle	25.86667	-80.15000	1998.02	BB	NBAY	0.02	01	1998	1998-01	0.0197	0.0175	0.0022	0.0111	0.1875	0.0307	0.1567	0.0067	0.0005	0.0268	1.4359	2.7050	0.1958	31.70	31.80	24.50	24.50	6.70	6.70	2.00			62.33	125.53	10.22	95.04	95.10

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
83.0	08-Jan-98		134	Oleta River Park	25.90500	-80.13333	1998.02	BB	NBAY	0.02	01	1998	1998-01	0.0656	0.0608	0.0049	0.0321	0.3016	0.0977	0.2039	0.0085	0.0002		2.1831	3.4278	0.3627	30.40	30.90	24.60	24.60	6.70	6.80	1.35			78.41	931.12	25.39	94.35	96.07
83.0	07-Jan-98		135	South Card Sound	25.31667	-80.31667	1998.02	BB	SCARD	0.02	01	1998	1998-01	0.0025	0.0015	0.0009	0.0070	0.2208	0.0095	0.2113	0.0060	0.0003	0.0490	0.2877	3.4308	0.0040	28.90	28.90	22.90	22.80	6.90	7.00	0.10			81.98	67.81	3.52	94.31	95.56
84.0	12-Feb-98		101	Convoy Point	25.47833	-80.32083	1998.11	BB	AS	0.11	02	1998	1998-02	0.3206	0.3149	0.0058	0.0201	0.6449	0.3407	0.3042	0.0051	0.0005	0.1560		2.9148		24.00	36.00	20.00	20.00	9.20	9.60	0.50			279.43	1391.89	147.62	116.99	132.23
84.0	12-Feb-98		102	Black Point	25.54583	-80.29467	1998.11	BB	AS	0.11	02	1998	1998-02	0.2832	0.2751	0.0081	0.0296	0.6916	0.3128	0.3788	0.0064	0.0002	0.2523		4.2203		19.90	36.00	19.70	19.70	8.70	8.70	0.40			238.28	2981.52	107.77	107.16	119.31
84.0	12-Feb-98		103	Near Black Ledge	25.57333	-80.28667	1998.11	BB	IS	0.11	02	1998	1998-02	0.1367	0.1323	0.0044	0.0164	0.4924	0.1531	0.3393	0.0050	0.0006	0.2442		3.6598		22.30	36.00	19.20	19.00	9.20	9.50	0.35			220.01	547.21	68.40	114.26	128.93
84.0	13-Feb-98		104	BNP Marker C	25.60167	-80.22083	1998.12	BB	MAIN	0.12	02	1998	1998-02	0.0095	0.0079	0.0016	0.0061	0.2399	0.0155	0.2243	0.0045	0.0001	0.0759		2.1970		30.60	36.00	18.50	18.40	7.70	8.00	0.85			118.25	443.37	7.64	99.99	107.57
84.0	13-Feb-98		108	Marker G-1B	25.56917	-80.19250	1998.12	BB	MAIN	0.12	02	1998	1998-02	0.0051	0.0043	0.0008	0.0044	0.1957	0.0095	0.1862	0.0049	0.0001	0.0854		1.9750		32.30	36.00	19.30	19.10	6.90	6.80	0.80			88.83	272.23	4.32	91.77	92.43
84.0	13-Feb-98		109	Midbay North	25.56417	-80.23500	1998.12	BB	MAIN	0.12	02	1998	1998-02	0.0090	0.0076	0.0014	0.0061	0.1858	0.0152	0.1707	0.0047	0.0000	0.1070		2.0288		30.90	36.00	19.10	19.00	9.00	9.10	1.05			87.11		7.10	118.22	123.50
84.0	12-Feb-98		110	Fender Point	25.50500	-80.28750	1998.11	BB	IS	0.11	02	1998	1998-02	0.1909	0.1866	0.0043	0.0239	0.4323	0.2147	0.2176	0.0043	0.0000	0.1899		2.6645		26.60	36.00	19.70	19.60	8.30	8.40	0.60			224.76		111.64	106.91	115.03
84.0	13-Feb-98		111	Featherbed Bank	25.51583	-80.24000	1998.12	BB	MAIN	0.12	02	1998	1998-02	0.0089	0.0078	0.0011	0.0089	0.2157	0.0177	0.1979	0.0041	0.0002	0.0772		2.0565		32.60	36.00	19.10	19.10	6.70	7.10	0.50			116.36	253.21	9.56	89.01	96.50
84.0	12-Feb-98		112	Sands Cut	25.48833	-80.18833	1998.11	BB	MAIN	0.11	02	1998	1998-02	0.0009	0.0007	0.0002	0.0044	0.1339	0.0053	0.1286	0.0050	0.0000	0.0773		1.8850		33.30	36.00	18.70	18.60	7.60	8.00	0.60			58.91		2.34	100.82	107.90
84.0	12-Feb-98		113	Elliott Key	25.44167	-80.22333	1998.11	BB	MAIN	0.11	02	1998	1998-02	0.0079	0.0072	0.0007	0.0171	0.1935	0.0250	0.1685	0.0043	0.0000	0.0868		1.9440		32.80	36.00	18.30	18.00	7.90	7.90	1.25			100.60		12.97	103.79	105.55
84.0	12-Feb-98		116	Rubicon Keys	25.40000	-80.25500	1998.11	BB	MAIN	0.11	02	1998	1998-02	0.0085	0.0075	0.0010	0.0079	0.2120	0.0165	0.1955	0.0043	0.0002	0.0760		2.4408		30.90	36.00	18.80	18.40	7.50	7.60	0.55			108.25	235.20	8.40	98.06	102.19
84.0	12-Feb-98		121	Card Sound North	25.35500	-80.29167	1998.11	BB	SCARD	0.11	02	1998	1998-02	0.0344	0.0313	0.0031	0.0309	0.3351	0.0653	0.2699	0.0049	0.0007	0.0868		3.8603		25.80	36.00	18.20	18.60	7.90	7.90	0.85			152.12	207.40	29.63	98.85	106.55
84.0	12-Feb-98		122	West Arsenicker	25.42017	-80.31083	1998.11	BB	IS	0.11	02	1998	1998-02	0.2207	0.2172	0.0034	0.0249	0.4464	0.2456	0.2008	0.0046	0.0010	0.1180		2.6835		26.10	36.00	18.60	18.60	7.50	7.60	0.40			212.75	540.15	117.03	94.64	102.51
84.0	12-Feb-98		123	Pelican Bank	25.44500	-80.28333	1998.11	BB	MAIN	0.11	02	1998	1998-02	0.2404	0.2368	0.0036	0.0225	0.4616	0.2629	0.1987	0.0047	0.0009	0.0990		2.6930		28.40	36.00	18.20	18.20	7.90	7.70	0.50			216.38	683.49	123.25	100.60	103.21
84.0	12-Feb-98		124	Midbay South	25.47250	-80.23333	1998.11	BB	MAIN	0.11	02	1998	1998-02	0.0139	0.0129	0.0011	0.0091	0.1547	0.0230	0.1316	0.0040	0.0000	0.0746		1.7950		32.60	36.00	18.20	17.90	8.00	8.10	0.60			85.06		12.66	104.80	108.05
84.0	13-Feb-98		126	BNP Marker B	25.67167	-80.20500	1998.12	BB	MAIN	0.12	02	1998	1998-02	0.0165	0.0147	0.0018	0.0097	0.2817	0.0262	0.2555	0.0044	0.0002	0.0813		3.0980		27.90	36.00	19.20	19.40	7.10	6.90	0.25			141.30	249.54	13.13	91.55	94.21
84.0	13-Feb-98		127	Shoal Point	25.63000	-80.25000	1998.12	BB	IS	0.12	02	1998	1998-02	0.0179	0.0162	0.0017	0.0099	0.2612	0.0278	0.2334	0.0042	0.0002	0.0976		3.1730		26.00	36.00	20.30	19.20	7.90	8.50	0.30			138.30	264.56	14.70	102.26	115.71
84.0	13-Feb-98		128	Matheson Beach	25.68833	-80.23333	1998.12	BB	IS	0.12	02	1998	1998-02	0.0152	0.0135	0.0016	0.0073	0.2219	0.0225	0.1994	0.0051	0.0002	0.0827		3.0978		27.00	36.00	19.60	19.30	7.90	8.80	0.25			96.15	321.27	9.74	101.87	119.97
84.0	13-Feb-98		129	Marker G-71	25.73667	-80.18500	1998.12	BB	MAIN	0.12	02	1998	1998-02	0.0182	0.0152	0.0029	0.0123	0.2176	0.0304	0.1872	0.0067	0.0002	0.1626		3.0563		30.80	36.00	20.10	20.00	5.70	5.70	1.25			71.52	434.87	10.00	75.95	78.51
84.0	13-Feb-98		130	South Dodge Island	25.76333	-80.17167	1998.12	BB	NBAY	0.12	02	1998	1998-02	0.0233	0.0199	0.0034	0.0173	0.2198	0.0406	0.1793	0.0069	0.0002	0.0989		2.9618		32.40	36.00	21.20	20.90	5.70	5.60	0.95			70.63	579.99	13.03	77.97	78.12
84.0	13-Feb-98		131	North Venetian Basin	25.80000	-80.16667	1998.12	BB	NBAY	0.12	02	1998	1998-02	0.0240	0.0208	0.0032	0.0147	0.2124	0.0387	0.1737	0.0076	0.0001	0.0840		3.4250		31.30	36.00	21.00	20.80	4.80	4.70	1.15			61.99	1106.94	11.30	65.00	65.48
84.0	13-Feb-98		132	North I-195 Basin	25.81667	-80.16667	1998.12	BB	NBAY	0.12	02	1998	1998-02	0.0120	0.0102	0.0018	0.0100	0.1939	0.0219	0.1719	0.0060	0.0000	0.0596		3.4573		29.70	36.00	20.70	20.20	8.00	8.50	0.45			72.00		8.15	106.74	117.42
84.0	13-Feb-98		133	North Normandy Isle	25.86667	-80.15000	1998.12	BB	NBAY	0.12	02	1998	1998-02	0.0515	0.0462	0.0053	0.0290	0.2707	0.0804	0.1903	0.0090	0.0002	0.2059		3.9140		27.80	36.00	20.60	21.20	7.00	6.40	0.65			66.74	1149.97	19.83	92.10	89.65
84.0	13-Feb-98		134	Oleta River Park	25.90500	-80.13333	1998.12	BB	NBAY	0.12	02	1998	1998-02	0.0722	0.0652	0.0070	0.0177	0.2768	0.0899	0.1869	0.0076	0.0000	0.2385		4.0640		29.20	36.00	21.60	21.60	6.50	6.30	1.00			80.77		26.23	87.53	88.72
84.0	12-Feb-98		135	South Card Sound	25.31667	-80.31667	1998.11	BB	SCARD	0.11	02	1998	1998-02	0.0396	0.0357	0.0039	0.0280	0.3385	0.0676	0.2710	0.0037	0.0003	0.1126		4.7325		24.10	36.00	19.10	18.40	8.20	8.00	0.65			201.68	483.16	40.26	102.91	107.57
85.0	04-Mar-98		101	Convoy Point	25.47833	-80.32083	1998.17	BB	AS	0.17	03	1998	1998-03	0.2096	0.2035	0.0062	0.0101	0.5078	0.2197	0.2881	0.0036	0.0005	0.1725	0.1530	3.3715		24.90	25.00	21.80	21.80	8.20	8.20	0.57			308.98	897.47	133.67	107.63	107.70
85.0	04-Mar-98		102	Black Point	25.54583	-80.29467	1998.17	BB	AS	0.17	03	1998	1998-03	0.1192	0.1142	0.0049	0.0091	0.4262	0.1283	0.2978	0.0033	0.0003	0.1954	0.1911	3.9395		23.10	23.80	21.70	21.70	8.70	8.80	0.29			283.40	917.28	85.33	112.69	114.51
85.0	04-Mar-98		103	Near Black Ledge	25.57333	-80.28667	1998.17	BB	IS	0.17	03	1998	1998-03	0.0741	0.0678	0.0063	0.0110	0.4318	0.0852	0.3466	0.0036	0.0001	0.2603	0.1465	4.5770		21.40	21.40	21.20	21.20	8.40	8.40	0.46			262.71	2435.06	51.81	106.84	106.84
85.0	05-Mar-98		104	BNP Marker C	25.60167	-80.22083	1998.17	BB	MAIN	0.17	03	1998	1998-03	0.0009	0.0000	0.0009	0.0044	0.1612	0.0053	0.1559	0.0046	0.0000	0.0801	0.1094	2.0298		34.50	34.50	20.80	20.80	7.00	7.00	0.75			78.11		2.56	96.55	96.55
85.0	04-Mar-98		108	Marker G-1B	25.56917	-80.19250	1998.17	BB	MAIN	0.17	03	1998	1998-03	0.0009	0.0000	0.0009	0.0053	0.1504	0.0062	0.1442	0.0047	0.0000	0.0459	0.0955	2.0373		33.30	33.30	20.60	20.60	8.00	8.00	0.59			70.52		2.92	109.17	109.17
85.0	04-Mar-98		109	Midbay North	25.56417	-80.23500	1998.17	BB	MAIN	0.17	03	1998	1998-03	0.0029	0.0017	0.0012	0.0026	0.1276	0.0055	0.1221	0.0048	0.0002	0.0518	0.1790	1.7835		35.80	35.80	21.50	21.50	7.20	7.20	1.33			58.84	78.57	2.53	101.13	101.13
85.0	04-Mar-98		110	Fender Point	25.50500	-80.28750	1998.17	BB	IS	0.17	03	1998	1998-03	0.0855	0.0820	0.0035	0.0121	0.2878	0.0977	0.1901	0.0042	0.0000	0.0904	0.1419	2.8920		28.20	28.20	21.20	21.20	7.30	7.40	0.52			152.38		51.73	97.12	98.45
85.0	04-Mar-98		111	Featherbed Bank	25.51583	-80.24000	1998.17	BB	MAIN	0.17	03	1998	1998-03	0.0013	0.0000	0.0013	0.0037	0.1346	0.0050	0.1296	0.0043	0.0000	0.0566	0.1289	1.9013		34.90	34.90	20.90	20.90	7.40	7.40	0.84			69.96		2.60	102.48	102.48
85.0	04-Mar-98		112	Sands Cut	25.48833	-80.18833	1998.17	BB	MAIN	0.17	03	1998	1998-03	0.0058	0.0052	0.0006	0.0055	0.1018	0.0112	0.0905	0.0038	0.0002	0.0425	0.1150	1.7575		36.00	36.00	20.50	20.50	7.40	7.50	0.73			59.39	160.64	6.56	102.66	104.05
85.0	04-Mar-98		113	Elliott Key	25.44167	-80.22333	1998.17	BB	MAIN	0.17	03	1998	1998-03	0.0057	0.0054	0.0004	0.0036	0.1518	0.0093	0.1425	0.0041	0.0001	0.0813	0.2439	2.1223		34.80	34.80	19.80	19.90	7.00	7.00	0.94			81.92	266.23	5.02	95.37	95.51
85.0	04-Mar-98		116	Rubicon Keys	25.40000	-80.25500	1998.17	BB	MAIN	0.17	03	1998	1998-03	0.0075	0.0068	0.0007	0.0098	0.2176	0.0173	0.2003	0.0040	0.0002	0.0621	0.1206	3.0360		31.40	33.00	20.50	20.30	7.20	7.30	0.63			119.64	164.81	9.51	96.88	98.99
85.0	04-Mar-98		121	Card Sound North	25.35500	-80.29167	1998.17	BB	SCARD	0.17	03	1998	1998-03	0.0061	0.0050	0.0011	0.0060	0.2053	0.0121	0.1932	0.0043	0.0002	0.0681	0.1966	3.1050		30.40	30.60	21.60	21.70	6.90	7.00	0.38			104.81	115.10	6.17	93.65	95.26
85.0	04-Mar-98		122	West Arsenicker	25.42017	-80.31083	1998.17	BB	IS	0.17	03	1998	1998-03	0.0429	0.0406	0.0024	0.0103	0.2675	0.0532	0.2142	0.0042	0.0000	0.1145	0.1438	3.1993		28.60	28.60	21.60	21.60	7.80	7.60	0.51			141.64		28.19	104.62	101.93
85.0	04-Mar-98		123	Pelican Bank	25.44500	-80.28333	1998.17	BB	MAIN	0.17	03	1998	1998-03	0.0380	0.0362	0.0019	0.0080	0.2409	0.0460	0.1949	0.0039	0.0000	0.0713	0.1688	2.8955		29.60	29.60	21.20	21.20	7.20	7.30	0.56			135.07		25.79	96.68	98.02
85.0	04-Mar-98		124	Midbay South	25.47250	-80.23333	1998.17	BB	MAIN	0.17	03	1998	1998-03	0.0102	0.0092	0.0009	0.0098	0.2093	0.0200	0.1893	0.0045	0.0000	0.0652	0.2439	2.5298		32.40	32.40	21.00	21.00	7.10	7.20	0.81			103.17		9.84	96.85	98.21
85.0	05-Mar-98		126	BNP Marker B	25.67167	-80.20500	1998.17	BB	MAIN	0.17	03	1998	1998-03	0.0048	0.0038	0.0010	0.0037	0.1894	0.0085	0.1809	0.0060	0.0002	0.1055	0.2625	2.4093		31.80	31.80	21.50	21.50	7.20	7.30	2.30			69.45	121.60	3.12	98.49	99.86
85.0	05-Mar-98		127	Shoal Point	25.63000	-80.25000	1998.17	BB	IS	0.17	03	1998	1998-03	0.0071	0.0055	0.0016	0.0057	0.2176	0.0129	0.2047	0.0040	0.0003	0.1574	0.1771	3.2315		27.70	27.60	21.10	21.20	7.60	7.60	0.20			119.65	92.08	7.08	100.64	100.71
85.0	05-Mar-98		128	Matheson Beach	25.68833	-80.23333	1998.17	BB	IS	0.17	03	1998	1998-03	0.0089	0.0074	0.0014	0.0039	0.2072	0.0127	0.1945	0.0048	0.0001	0.0863	0.3626	3.0625		27.70	27.70	20.90	20.90	7.40	7.40	0.30			95.55	363.31	5.86	97.71	97.71
85.0	05-Mar-98		129	Marker G-71	25.73667	-80.18500	1998.17	BB	MAIN	0.17	03	1998	1998-03	0.0025	0.0011	0.0014	0.0052	0.1491	0.0077	0.1414	0.0061	0.0000	0.1260	0.7790	2.3798		32.90	34.00	20.90	21.30	7.20	7.00	0.95			53.97		2.79	98.40	96.90
85.0	05-Mar-98		130	South Dodge Island	25.76333	-80.17167	1998.17	BB	NBAY	0.17	03	1998	1998-03	0.0046	0.0033	0.0013	0.0063	0.1484	0.0109	0.1375	0.0061	0.0003	0.1243	0.9942	2.3780		33.30	33.20	21.30	21.40	7.20	7.10	0.95			53.70	77.57	3.93	99.20	97.89
85.0	05-Mar-98		131	North Venetian Basin	25.80000	-80.16667	1998.17	BB	NBAY	0.17	03	1998	1998-03	0.0072	0.0060	0.0013	0.0052	0.1740	0.0125	0.1615	0.0072	0.0001	0.0569	0.6492	2.7920		32.00	32.30	21.30	21.40	7.10	7.20	0.85			53.50	356.30	3.83	96.99	98.69
85.0	05-Mar-98		132	North I-195 Basin	25.81667	-80.16667	1998.17	BB	NBAY	0.17	03	1998	1998-03	0.0116	0.0100	0.0016	0.0082	0.2141	0.0198	0.1943	0.0071	0.0003	0.0614	0.6325	3.3763		30.60	30.80	21.20	21.00	7.10	7.50	0.60			66.55	141.87	6.17	95.97	101.23
85.0	05-Mar-98		133	North Normandy Isle	25.86667	-80.15000	1998.17	BB	NBAY	0.17	03	1998	1998-03	0.0122	0.0100	0.0021	0.0114	0.1591	0.0236	0.1356	0.0080	0.0002	0.1104	1.0526	2.6525		33.30	33.20	21.60	21.60	6.90	6.80	1.20			44.18	224.86	6.55	95.46	94.01
85.0	05-Mar-98		134	Oleta River Park	25.90500	-80.13333	1998.17	BB	NBAY	0.17	03	1998	1998-03	0.0873	0.0782	0.0091	0.0214	0.2899	0.1087	0.1812	0.0094	0.0000	0.0687	1.1139	4.6020		28.30	35.80	22.70	21.90	6.20	6.70	0.90			67.95		25.47	84.20	94.60
85.0	04-Mar-98		135	South Card Sound	25.31667	-80.31667	1998.17	BB	SCARD	0.17	03	1998	1998-03	0.0145	0.0126	0.0018	0.0097	0.2541	0.0241	0.2299	0.0046	0.0002	0.0767	0.2300	3.8018		27.80	28.40	21.70	21.80	7.10	7.30	0.35			123.13	344.79	11.69	94.86	98.04
86.0	08-Apr-98		101	Convoy Point	25.47833	-80.32083	1998.26	BB	AS	0.26	04	1998	1998-04	0.0036	0.0023	0.0013	0.0047	0.3003	0.0083	0.2920	0.0049	0.0000	0.4441	0.1599	3.5738		30.00	29.90	25.90	25.90	7.80	7.80	0.50			136.21		3.78	111.10	111.02
86.0	08-Apr-98		102	Black Point	25.54583	-80.29467	1998.26	BB	AS	0.26	04	1998	1998-04	0.0288	0.0256	0.0032	0.0098	0.3621	0.0386	0.3234	0.0053	0.0000	0.4746	0.1679	4.0155		25.80	25.80	25.40	25.40	7.90	8.10	0.70			149.92		15.99	108.96	111.71
86.0	08-Apr-98		103	Near Black Ledge	25.57333	-80.28667	1998.26	BB	IS	0.26	04	1998	1998-04	0.0314	0.0279	0.0035	0.0109	0.3823	0.0423	0.3400	0.0050	0.0001	0.4814	0.1865	4.5183		23.90	23.90	25.40	25.60	7.60	7.70	0.85			168.03	1209.00	18.60	103.55	105.14
86.0	08-Apr-98		104	BNP Marker C	25.60167	-80.22083	1998.26	BB	MAIN	0.26	04	1998	1998-04	0.0004	0.0000	0.0004	0.0049	0.1479	0.0053	0.1426	0.0052	0.0000	0.1530	0.1492	1.7878		36.20	36.20	25.50	25.50	6.70	6.70	1.15			63.06		2.25	98.89	98.89
86.0	08-Apr-98		108	Marker G-1B	25.56917	-80.19250	1998.26	BB	MAIN	0.26	04	1998	1998-04	0.0004	0.0000	0.0004	0.0048	0.1280	0.0052	0.1229	0.0062	0.0000	0.1172	0.0924	1.6300		36.40	36.40	25.20	25.20	6.50	6.50	0.65			45.73		1.85	95.77	95.77
86.0	08-Apr-98		109	Midbay North	25.56417	-80.23500	1998.26	BB	MAIN	0.26	04	1998	1998-04	0.0008	0.0000	0.0008	0.0056	0.1247	0.0064	0.1183	0.0050	0.0002	0.1142	0.1297	1.7265		36.10	36.10	25.30	25.40	6.20	6.20	0.40			55.66	61.00	2.86	91.27	91.36
86.0	08-Apr-98		110	Fender Point	25.50500	-80.28750	1998.26	BB	IS	0.26	04	1998	1998-04	0.0060	0.0040	0.0020	0.0095	0.2204	0.0155	0.2049	0.0043	0.0008	0.3397	0.2353	2.9000		30.80	30.70	25.50	25.60	7.20	7.40	1.00			114.49	44.40	8.07	102.65	105.55
86.0	08-Apr-98		111	Featherbed Bank	25.51583	-80.24000	1998.26	BB	MAIN	0.26	04	1998	1998-04	0.0007	0.0002	0.0005	0.0062	0.1356	0.0069	0.1287	0.0045	0.0002	0.1553	0.1528	1.8960		36.00	36.00	25.10	25.10	6.70	6.80	0.85			66.77	65.67	3.40	98.36	99.82
86.0	08-Apr-98		112	Sands Cut	25.48833	-80.18833	1998.26	BB	MAIN	0.26	04	1998	1998-04	0.0024	0.0010	0.0014	0.0051	0.1689	0.0076	0.1613	0.0059	0.0001	0.1431	0.1430	1.9995		36.20	36.10	24.80	24.90	6.40	6.40	0.40			63.48	216.00	2.84	93.77	93.81
86.0	08-Apr-98		113	Elliott Key	25.44167	-80.22333	1998.26	BB	MAIN	0.26	04	1998	1998-04	0.0047	0.0044	0.0003	0.0069	0.1524	0.0116	0.1408	0.0065	0.0000	0.1651	0.2060	2.0603		35.70	35.70	24.60	24.60	6.30	6.30	0.25			51.84		3.94	91.81	91.81
86.0	08-Apr-98		116	Rubicon Keys	25.40000	-80.25500	1998.26	BB	MAIN	0.26	04	1998	1998-04	0.0032	0.0027	0.0005	0.0066	0.1377	0.0098	0.1279	0.0077	0.0000	0.1523	0.1252	1.8763		36.10	36.10	25.10	25.20	6.20	6.20	0.55			39.73		2.83	91.07	91.17
86.0	08-Apr-98		121	Card Sound North	25.35500	-80.29167	1998.26	BB	SCARD	0.26	04	1998	1998-04	0.0032	0.0027	0.0005	0.0076	0.1975	0.0108	0.1867	0.0062	0.0000	0.1560	0.2478	2.7570		32.70	32.60	25.30	25.40	6.60	6.60	0.30			70.52		3.85	95.05	95.09
86.0	08-Apr-98		122	West Arsenicker	25.42017	-80.31083	1998.26	BB	IS	0.26	04	1998	1998-04	0.0080	0.0071	0.0009	0.0092	0.2933	0.0172	0.2762	0.0052	0.0001	0.2771	0.1838	3.0135		31.30	31.20	24.30	24.30	6.20	6.20	0.20			125.09	491.00	7.33	87.53	87.47
86.0	08-Apr-98		123	Pelican Bank	25.44500	-80.28333	1998.26	BB	MAIN	0.26	04	1998	1998-04	0.0077	0.0068	0.0009	0.0086	0.2116	0.0163	0.1952	0.0045	0.0000	0.2420	0.2282	2.6588		32.80	32.80	24.60	24.70	6.30	6.30	0.45			104.21		8.05	90.11	90.21
86.0	08-Apr-98		124	Midbay South	25.47250	-80.23333	1998.26	BB	MAIN	0.26	04	1998	1998-04	0.0023	0.0019	0.0005	0.0109	0.0667	0.0132	0.0535	0.0060	0.0002	0.2032	0.1616	2.1663		35.20	35.20	25.20	25.20	6.30	6.30	0.65			24.75	188.50	4.90	92.11	92.11
86.0	08-Apr-98		126	BNP Marker B	25.67167	-80.20500	1998.26	BB	MAIN	0.26	04	1998	1998-04	0.0010	0.0002	0.0008	0.0081	0.0688	0.0090	0.0597	0.0059	0.0001	0.1195	0.2496	2.7910		34.30	34.40	25.50	25.60	6.10	6.20	0.95			25.85	258.00	3.39	88.95	90.55
86.0	08-Apr-98		127	Shoal Point	25.63000	-80.25000	1998.26	BB	IS	0.26	04	1998	1998-04	0.0015	0.0003	0.0012	0.0062	0.3107	0.0077	0.3030	0.0053	0.0001	0.4728	0.1785	4.1923		26.70	26.80	25.40	25.40	7.30	7.40	0.25			130.56	221.00	3.25	101.27	102.72
86.0	08-Apr-98		128	Matheson Beach	25.68833	-80.23333	1998.26	BB	IS	0.26	04	1998	1998-04	0.0020	0.0008	0.0012	0.0092	0.0925	0.0113	0.0813	0.0078	0.0001	0.1831	0.1741	3.8053		28.60	28.60	26.00	26.10	6.80	6.90	0.40			26.17	322.00	3.19	96.09	97.60
86.0	08-Apr-98		129	Marker G-71	25.73667	-80.18500	1998.26	BB	MAIN	0.26	04	1998	1998-04	0.0020	0.0011	0.0009	0.0168	0.0781	0.0189	0.0592	0.0059	0.0000	0.1175	0.3233	3.0405		31.80	31.80	25.60	25.60	6.10	6.20	1.00			29.36		7.09	87.62	89.06
86.0	08-Apr-98		130	South Dodge Island	25.76333	-80.17167	1998.26	BB	NBAY	0.26	04	1998	1998-04	0.0017	0.0006	0.0011	0.0101	0.0854	0.0118	0.0736	0.0086	0.0000	0.1543	0.3837	3.4640		31.10	31.10	25.40	25.40	6.20	6.20	2.10			21.99		3.04	88.47	88.47
86.0	08-Apr-98		131	North Venetian Basin	25.80000	-80.16667	1998.26	BB	NBAY	0.26	04	1998	1998-04	0.0239	0.0207	0.0032	0.0379	0.1171	0.0619	0.0553	0.0104	0.0000	0.1035	0.5524	4.4108		28.50	28.60	25.50	25.50	5.90	5.90	0.95			24.98		13.19	82.88	82.94
86.0	08-Apr-98		132	North I-195 Basin	25.81667	-80.16667	1998.26	BB	NBAY	0.26	04	1998	1998-04	0.0187	0.0159	0.0027	0.0331	0.1078	0.0518	0.0561	0.0097	0.0000	0.0896	0.4378	4.1883		29.00	28.90	25.40	25.50	6.00	6.00	0.55			24.65		11.83	84.47	84.51
86.0	08-Apr-98		133	North Normandy Isle	25.86667	-80.15000	1998.26	BB	NBAY	0.26	04	1998	1998-04	0.0154	0.0132	0.0022	0.0263	0.0910	0.0416	0.0494	0.0117	0.0002	0.1245	1.0382	3.8553		30.10	30.10	25.60	25.70	6.10	6.10	1.45			17.22	594.55	7.87	86.67	86.76
86.0	08-Apr-98		134	Oleta River Park	25.90500	-80.13333	1998.26	BB	NBAY	0.26	04	1998	1998-04	0.0109	0.0092	0.0016	0.0220	0.0812	0.0329	0.0483	0.0084	0.0001	0.0978	0.7771	3.2363		31.80	36.00	25.60	25.30	6.00	6.10	1.95			21.28	940.00	8.62	86.18	89.74
86.0	08-Apr-98		135	South Card Sound	25.31667	-80.31667	1998.26	BB	SCARD	0.26	04	1998	1998-04	0.0056	0.0050	0.0006	0.0058	0.0791	0.0114	0.0676	0.0125	0.0002	0.2063	0.1758	3.0853		31.90	31.90	25.30	25.30	6.20	6.10	0.21			14.03	163.50	2.03	88.83	87.40
87.0	05-May-98		101	Convoy Point	25.47833	-80.32083	1998.34	BB	AS	0.34	05	1998	1998-05	0.0047	0.0038	0.0009	0.0086	0.4780	0.0133	0.4647	0.0059	0.0009	0.4095	0.2273	4.4460	0.2554	34.90	36.00	28.30	28.30	6.80	6.80	0.35			180.83	34.55	5.03	102.16	102.87
87.0	05-May-98		102	Black Point	25.54583	-80.29467	1998.34	BB	AS	0.34	05	1998	1998-05	0.0143	0.0121	0.0022	0.0116	0.4620	0.0259	0.4361	0.0057	0.0007	0.2862	0.2362	4.1383	0.2383	32.60	36.00	28.00	28.00	6.60	6.70	0.30			180.83	82.33	10.15	97.48	101.10
87.0	05-May-98		103	Near Black Ledge	25.57333	-80.28667	1998.34	BB	IS	0.34	05	1998	1998-05	0.0064	0.0044	0.0020	0.0101	0.5034	0.0165	0.4870	0.0048	0.0022	0.4612	0.2051	5.1595	0.4651	29.80	36.00	28.50	28.50	7.90	7.90	0.35			232.00	16.24	7.60	115.12	119.70
87.0	05-May-98		104	BNP Marker C	25.60167	-80.22083	1998.34	BB	MAIN	0.34	05	1998	1998-05	0.0006	0.0000	0.0006	0.0037	0.2010	0.0042	0.1967	0.0048	0.0002	0.1592	0.1234	1.9038	0.0052	36.40	36.00	27.10	27.10	6.90	7.00	0.55			92.61	40.33	1.95	103.57	104.80
87.0	05-May-98		108	Marker G-1B	25.56917	-80.19250	1998.34	BB	MAIN	0.34	05	1998	1998-05	0.0010	0.0002	0.0008	0.0067	0.2265	0.0077	0.2188	0.0052	0.0005	0.0885	0.1465	1.9368	0.0805	36.00	36.00	27.60	27.60	7.60	7.60	0.60			96.57	31.43	3.28	114.29	114.29
87.0	05-May-98		109	Midbay North	25.56417	-80.23500	1998.34	BB	MAIN	0.34	05	1998	1998-05	0.0009	0.0000	0.0009	0.0063	0.1988	0.0072	0.1916	0.0043	0.0005	0.1451	0.1199	1.9985	0.0156	36.40	36.00	27.40	27.30	6.80	6.90	0.20			103.28	34.33	3.75	102.34	103.49
87.0	05-May-98		110	Fender Point	25.50500	-80.28750	1998.34	BB	IS	0.34	05	1998	1998-05	0.0095	0.0077	0.0018	0.0115	0.2435	0.0210	0.2225	0.0060	0.0002	0.1065	0.1758	2.6045	0.0400	35.80	36.00	28.00	28.00	7.20	7.20	0.45			90.34	200.00	7.79	108.51	108.65
87.0	05-May-98		111	Featherbed Bank	25.51583	-80.24000	1998.34	BB	MAIN	0.34	05	1998	1998-05	0.0023	0.0013	0.0010	0.0064	0.1718	0.0088	0.1631	0.0040	0.0002	0.1164	0.1563	2.0765	0.0299	36.40	36.00	27.50	27.50	7.80	7.80	0.35			94.42	125.00	4.81	117.49	117.20
87.0	05-May-98		112	Sands Cut	25.48833	-80.18833	1998.34	BB	MAIN	0.34	05	1998	1998-05	0.0008	0.0001	0.0007	0.0055	0.1796	0.0062	0.1734	0.0049	0.0000	0.1099	0.1430	2.1860	0.0199	36.70	36.00	28.00	28.00	7.30	7.30	0.40			81.47		2.83	110.65	110.16
87.0	05-May-98		113	Elliott Key	25.44167	-80.22333	1998.34	BB	MAIN	0.34	05	1998	1998-05	0.0065	0.0055	0.0011	0.0133	0.2117	0.0198	0.1918	0.0046	0.0001	0.2183	0.1634	2.3165	0.0071	37.10	36.00	27.60	27.60	7.40	7.40	0.40			102.51	567.00	9.61	112.06	111.28
87.0	05-May-98		116	Rubicon Keys	25.40000	-80.25500	1998.34	BB	MAIN	0.34	05	1998	1998-05	0.0058	0.0048	0.0010	0.0090	0.1815	0.0147	0.1668	0.0048	0.0000	0.1077	0.1501	2.1683	0.0250	36.90	36.00	27.90	27.90	7.70	7.70	0.55			83.66		6.79	116.76	116.09
87.0	05-May-98		121	Card Sound North	25.35500	-80.29167	1998.34	BB	SCARD	0.34	05	1998	1998-05	0.0030	0.0019	0.0011	0.0072	0.2211	0.0102	0.2110	0.0040	0.0005	0.1535	0.1954	2.9768	0.0296	34.70	36.00	28.00	28.00	7.10	7.20	0.40			123.88	41.43	5.69	106.26	108.65
87.0	05-May-98		122	West Arsenicker	25.42017	-80.31083	1998.34	BB	IS	0.34	05	1998	1998-05	0.0111	0.0095	0.0016	0.0183	0.2690	0.0293	0.2397	0.0067	0.0000	0.1500	0.2433	3.1450	0.0634	34.90	36.00	27.60	27.60	6.40	6.60	0.30			88.35		9.63	95.58	99.25
87.0	05-May-98		123	Pelican Bank	25.44500	-80.28333	1998.34	BB	MAIN	0.34	05	1998	1998-05	0.0074	0.0060	0.0013	0.0110	0.2206	0.0183	0.2023	0.0047	0.0002	0.1188	0.1892	2.7815	0.0591	35.90	36.00	27.30	27.30	6.90	6.90	0.30			105.06	262.00	8.73	103.42	103.49
87.0	05-May-98		124	Midbay South	25.47250	-80.23333	1998.34	BB	MAIN	0.34	05	1998	1998-05	0.0035	0.0028	0.0008	0.0131	0.2923	0.0166	0.2757	0.0047	0.0001	0.1406	0.2291	2.9743	0.0111	36.60	36.00	27.10	27.10	7.30	7.30	0.45			139.19	474.00	7.90	109.71	109.29
87.0	05-May-98		126	BNP Marker B	25.67167	-80.20500	1998.34	BB	MAIN	0.34	05	1998	1998-05	0.0009	0.0000	0.0009	0.0089	0.2762	0.0098	0.2665	0.0047	0.0002	0.1800	0.2851	2.7828	0.0442	36.40	36.00	26.40	26.40	6.20	6.30	1.25			131.54	93.00	4.65	92.45	93.70
87.0	05-May-98		127	Shoal Point	25.63000	-80.25000	1998.34	BB	IS	0.34	05	1998	1998-05	0.0069	0.0047	0.0022	0.0154	0.3936	0.0223	0.3713	0.0041	0.0002	0.2113	0.1030	4.2988	0.1644	32.60	36.00	27.60	27.30	6.60	6.60	0.20			212.19	318.50	12.02	97.14	98.99
87.0	05-May-98		128	Matheson Beach	25.68833	-80.23333	1998.34	BB	IS	0.34	05	1998	1998-05	0.0019	0.0007	0.0012	0.0095	0.3208	0.0114	0.3093	0.0046	0.0000	0.1023	0.1634	3.4985	0.0914	34.40	36.00	27.50	27.50	6.70	6.80	0.10			155.34		5.54	99.65	102.17
87.0	05-May-98		129	Marker G-71	25.73667	-80.18500	1998.34	BB	MAIN	0.34	05	1998	1998-05	0.0007	0.0000	0.0007	0.0106	0.3009	0.0114	0.2895	0.0054	0.0001	0.3663	0.5799	3.5495	0.0501	34.00	36.00	27.30	27.00	6.60	6.80	0.80			122.81	325.00	4.64	97.74	101.71
87.0	05-May-98		130	South Dodge Island	25.76333	-80.17167	1998.34	BB	NBAY	0.34	05	1998	1998-05	0.0029	0.0022	0.0008	0.0103	0.3175	0.0132	0.3042	0.0070	0.0005	0.3058	0.7859	3.5643	0.0966	33.90	36.00	27.50	27.40	6.60	6.60	1.20			100.79	54.00	4.20	97.85	99.08
87.0	05-May-98		131	North Venetian Basin	25.80000	-80.16667	1998.34	BB	NBAY	0.34	05	1998	1998-05	0.0127	0.0107	0.0020	0.0139	0.2914	0.0266	0.2648	0.0079	0.0000	0.2019	0.7016	3.8943	0.2069	32.30	36.00	27.00	26.90	6.10	6.10	1.05			81.63		7.45	89.12	91.16
87.0	05-May-98		132	North I-195 Basin	25.81667	-80.16667	1998.34	BB	NBAY	0.34	05	1998	1998-05	0.0017	0.0000	0.0017	0.0128	0.3217	0.0145	0.3072	0.0091	0.0002	0.1547	0.4369	4.2288	0.2462	32.00	36.00	27.00	27.00	5.70	5.70	0.40			78.57	138.00	3.54	83.12	85.26
87.0	05-May-98		133	North Normandy Isle	25.86667	-80.15000	1998.34	BB	NBAY	0.34	05	1998	1998-05	0.0233	0.0198	0.0034	0.0244	0.3885	0.0476	0.3409	0.0103	0.0012	0.1253	0.6012	4.7560	0.4782	29.70	36.00	27.00	26.90	6.10	6.10	0.90			83.46	90.73	10.23	87.66	91.16
87.0	05-May-98		134	Oleta River Park	25.90500	-80.13333	1998.34	BB	NBAY	0.34	05	1998	1998-05	0.0263	0.0237	0.0026	0.0224	0.3310	0.0487	0.2823	0.0100	0.0002	0.3481	1.0621	4.0275	0.2308	31.80	36.00	26.30	25.90	6.20	6.30	1.05			73.30	695.50	10.78	89.69	93.25
87.0	05-May-98		135	South Card Sound	25.31667	-80.31667	1998.34	BB	SCARD	0.34	05	1998	1998-05	0.0051	0.0041	0.0011	0.0107	0.3673	0.0159	0.3514	0.0065	0.0005	0.1095	0.3241	4.4083	0.0672	31.20	36.00	27.20	28.00	8.00	7.80	0.35			125.36	75.50	5.41	116.28	117.70

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
88.0	02-Jun-98		101	Convoy Point	25.47833	-80.32083	1998.42	BB	AS	0.42	06	1998	1998-06	0.1079	0.1029	0.0050	0.0276	0.4909	0.1355	0.3553	0.0115	0.0024	0.3604	0.2993	4.3573		31.60	31.60	29.00	29.30	5.00	4.60	0.25			94.76	124.90	26.16	73.99	68.23
88.0	01-Jun-98		102	Black Point	25.54583	-80.29467	1998.41	BB	AS	0.41	06	1998	1998-06	0.0573	0.0534	0.0039	0.0359	0.4619	0.0932	0.3687	0.0052	0.0013	0.3198	0.4147	4.6040		33.30	33.30	29.70	29.70	7.20	7.30	0.21			196.99	156.65	39.75	108.26	109.77
88.0	01-Jun-98		103	Near Black Ledge	25.57333	-80.28667	1998.41	BB	IS	0.41	06	1998	1998-06	0.0106	0.0084	0.0022	0.0170	0.5030	0.0276	0.4754	0.0050	0.0003	0.3656	0.2797	5.9115		33.90	33.90	30.10	30.10	7.10	7.10	0.44			221.10	197.00	12.12	107.47	107.47
88.0	02-Jun-98		104	BNP Marker C	25.60167	-80.22083	1998.42	BB	MAIN	0.42	06	1998	1998-06	0.0031	0.0022	0.0009	0.0103	0.1906	0.0134	0.1772	0.0040	0.0002	0.1967	0.2016	2.4700		36.90	36.90	28.80	28.80	5.60	5.60	0.83			106.77	191.00	7.49	85.54	85.54
88.0	01-Jun-98		108	Marker G-1B	25.56917	-80.19250	1998.41	BB	MAIN	0.41	06	1998	1998-06	0.0019	0.0012	0.0006	0.0116	0.1488	0.0134	0.1354	0.0046	0.0001	0.0876	0.1128	2.2540		36.20	36.20	29.70	29.70	7.70	7.70	0.63			72.05	383.00	6.49	117.90	117.90
88.0	01-Jun-98		109	Midbay North	25.56417	-80.23500	1998.41	BB	MAIN	0.41	06	1998	1998-06	0.0027	0.0016	0.0011	0.0070	0.1479	0.0097	0.1382	0.0032	0.0001	0.1357	0.1492	2.4783		36.70	36.70	29.00	29.00	5.80	6.10	0.32			103.07	278.00	6.78	88.62	93.21
88.0	01-Jun-98		110	Fender Point	25.50500	-80.28750	1998.41	BB	IS	0.41	06	1998	1998-06	0.0311	0.0288	0.0023	0.0216	0.2787	0.0527	0.2260	0.0036	0.0003	0.1471	0.1838	3.2235		35.50	35.50	29.70	29.80	6.50	6.50	0.11			173.10	376.50	32.74	99.09	99.16
88.0	01-Jun-98		111	Featherbed Bank	25.51583	-80.24000	1998.41	BB	MAIN	0.41	06	1998	1998-06	0.0057	0.0043	0.0014	0.0132	0.1920	0.0189	0.1731	0.0032	0.0000	0.1184	0.1563	2.5105		36.70	36.70	29.50	29.50	5.90	5.90	0.43			133.77		13.15	90.49	90.49
88.0	01-Jun-98		112	Sands Cut	25.48833	-80.18833	1998.41	BB	MAIN	0.41	06	1998	1998-06	0.0029	0.0021	0.0008	0.0132	0.1670	0.0161	0.1509	0.0025	0.0000	0.1112	0.1652	2.4068		36.00	36.00	29.10	29.10	5.80	6.20	0.09			149.09		14.38	88.30	94.39
88.0	01-Jun-98		113	Elliott Key	25.44167	-80.22333	1998.41	BB	MAIN	0.41	06	1998	1998-06	0.0074	0.0065	0.0009	0.0203	0.2246	0.0277	0.1969	0.0032	0.0003	0.2448	0.3588	2.8055		37.50	37.50	29.00	29.00	6.20	6.20	0.18			156.54	198.00	19.32	95.21	95.21
88.0	01-Jun-98		116	Rubicon Keys	25.40000	-80.25500	1998.41	BB	MAIN	0.41	06	1998	1998-06	0.0102	0.0089	0.0013	0.0152	0.2176	0.0253	0.1922	0.0039	0.0009	0.1003	0.2034	2.8240		35.70	35.70	29.00	29.00	5.10	5.10	0.37			124.34	60.33	14.48	77.44	77.44
88.0	01-Jun-98		121	Card Sound North	25.35500	-80.29167	1998.41	BB	SCARD	0.41	06	1998	1998-06	0.0092	0.0082	0.0011	0.0156	0.2940	0.0249	0.2692	0.0036	0.0006	0.1472	0.2629	3.3838		34.20	34.20	29.10	29.20	5.40	5.20	0.03			178.74	88.75	15.11	81.29	78.34
88.0	01-Jun-98		122	West Arsenicker	25.42017	-80.31083	1998.41	BB	IS	0.41	06	1998	1998-06	0.0217	0.0200	0.0017	0.0289	0.4388	0.0505	0.3883	0.0057	0.0003	0.1961	0.2424	3.8113		34.70	34.70	28.60	28.60	5.20	5.20	0.09			171.74	361.00	19.78	78.21	78.21
88.0	01-Jun-98		123	Pelican Bank	25.44500	-80.28333	1998.41	BB	MAIN	0.41	06	1998	1998-06	0.0163	0.0143	0.0020	0.0169	0.2882	0.0333	0.2549	0.0038	0.0005	0.1714	0.1989	3.2133		34.70	34.70	28.40	28.50	4.50	4.50	0.18			168.03	158.33	19.39	67.57	67.63
88.0	01-Jun-98		124	Midbay South	25.47250	-80.23333	1998.41	BB	MAIN	0.41	06	1998	1998-06	0.0047	0.0040	0.0007	0.0238	0.2549	0.0285	0.2263	0.0031	0.0006	0.1972	0.2105	3.4558		36.70	36.70	28.90	28.80	5.80	6.00	0.28			182.04	101.88	20.38	88.55	91.54
88.0	02-Jun-98		126	BNP Marker B	25.67167	-80.20500	1998.42	BB	MAIN	0.42	06	1998	1998-06	0.0049	0.0033	0.0016	0.0145	0.2106	0.0194	0.1912	0.0033	0.0006	0.1836	0.3126	3.0358		36.90	36.90	28.80	28.90	5.40	5.40	1.05			143.26	69.13	13.17	82.49	82.55
88.0	02-Jun-98		127	Shoal Point	25.63000	-80.25000	1998.42	BB	IS	0.42	06	1998	1998-06	0.0058	0.0043	0.0015	0.0099	0.2760	0.0158	0.2602	0.0032	0.0005	0.1826	0.2868	3.8410		35.60	35.60	29.70	29.50	5.70	6.20	0.28			189.54	75.00	10.82	86.95	94.44
88.0	02-Jun-98		128	Matheson Beach	25.68833	-80.23333	1998.42	BB	IS	0.42	06	1998	1998-06	0.0095	0.0078	0.0017	0.0121	0.2963	0.0217	0.2747	0.0040	0.0002	0.1507	0.3535	4.1740		34.60	34.60	30.10	29.70	5.00	5.00	0.15			166.01	206.33	12.14	76.01	75.80
88.0	02-Jun-98		129	Marker G-71	25.73667	-80.18500	1998.42	BB	MAIN	0.42	06	1998	1998-06	0.0105	0.0084	0.0020	0.0216	0.2433	0.0320	0.2112	0.0073	0.0008	0.2959	0.7504	3.4575		35.20	35.20	28.90	28.90	5.30	5.30	2.09			73.94	91.50	9.73	80.16	80.16
88.0	02-Jun-98		130	South Dodge Island	25.76333	-80.17167	1998.42	BB	NBAY	0.42	06	1998	1998-06	0.0253	0.0227	0.0026	0.0238	0.2537	0.0491	0.2046	0.0084	0.0012	0.1592	0.8668	3.5498		33.60	33.60	28.80	28.90	5.50	5.50	1.11			67.13	93.53	12.99	82.29	82.35
88.0	02-Jun-98		131	North Venetian Basin	25.80000	-80.16667	1998.42	BB	NBAY	0.42	06	1998	1998-06	0.0349	0.0316	0.0033	0.0251	0.2748	0.0600	0.2149	0.0099	0.0010	0.0920	0.9529	3.7800		32.90	32.90	29.00	29.00	5.10	5.20	2.09			61.35	131.85	13.39	76.09	77.58
88.0	02-Jun-98		132	North I-195 Basin	25.81667	-80.16667	1998.42	BB	NBAY	0.42	06	1998	1998-06	0.0197	0.0165	0.0032	0.0246	0.3127	0.0442	0.2685	0.0112	0.0005	0.1437	0.8552	4.5345		31.40	31.40	29.10	29.20	5.60	5.60	0.32			62.05	210.67	8.78	82.83	82.90
88.0	02-Jun-98		133	North Normandy Isle	25.86667	-80.15000	1998.42	BB	NBAY	0.42	06	1998	1998-06	0.0264	0.0235	0.0029	0.0397	0.2940	0.0661	0.2279	0.0118	0.0009	0.2670	1.5337	4.5405		29.10	29.10	29.60	29.40	5.40	5.50	0.60			55.26	157.42	12.43	79.03	80.37
88.0	02-Jun-98		134	Oleta River Park	25.90500	-80.13333	1998.42	BB	NBAY	0.42	06	1998	1998-06	0.0153	0.0118	0.0035	0.0082	0.2367	0.0235	0.2132	0.0121	0.0006	0.3511	2.5426	4.4818		31.40	31.40	29.00	28.00	5.60	5.90	1.13			43.35	84.00	4.31	82.77	86.48
88.0	01-Jun-98		135	South Card Sound	25.31667	-80.31667	1998.41	BB	SCARD	0.41	06	1998	1998-06	0.0135	0.0132	0.0003	0.0084	0.3316	0.0219	0.3097	0.0065	0.0003	0.1256	0.2682	4.6465		32.30	32.30	29.00	29.60	5.80	5.30	0.03			112.78	156.50	7.45	86.21	79.14
89.0	16-Jul-98		101	Convoy Point	25.47833	-80.32083	1998.54	BB	AS	0.54	07	1998	1998-07	0.0017	0.0000	0.0017	0.0111	0.3499	0.0128	0.3371	0.0030	0.0003	0.3616	0.4112	4.7763	0.1330	35.80	35.80	31.20	31.20	7.80	8.00	0.35			256.33	91.50	9.38	120.34	123.43
89.0	16-Jul-98		102	Black Point	25.54583	-80.29467	1998.54	BB	AS	0.54	07	1998	1998-07	0.0462	0.0417	0.0045	0.0186	0.5398	0.0648	0.4750	0.0042	0.0000	0.4713	0.4272	5.7270	0.6751	30.90	30.90	31.00	31.00	9.20	9.20	0.40			285.58		34.26	137.52	137.52
89.0	16-Jul-98		103	Near Black Ledge	25.57333	-80.28667	1998.54	BB	IS	0.54	07	1998	1998-07	0.0023	0.0000	0.0023	0.0187	0.4900	0.0210	0.4690	0.0038	0.0000	0.4293	0.3162	5.9770	0.8275	32.60	32.70	30.90	30.90	8.00	8.00	0.45			285.73		12.24	120.77	120.85
89.0	16-Jul-98		104	BNP Marker C	25.60167	-80.22083	1998.54	BB	MAIN	0.54	07	1998	1998-07	0.0013	0.0000	0.0013	0.0104	0.1913	0.0118	0.1795	0.0030	0.0000	0.1625	0.1954	2.8498	0.0519	36.80	36.90	30.10	30.10	5.70	5.90	0.60			140.13		8.62	87.85	90.99
89.0	17-Jul-98		108	Marker G-1B	25.56917	-80.19250	1998.54	BB	MAIN	0.54	07	1998	1998-07	0.0004	0.0000	0.0004	0.0101	0.1427	0.0105	0.1322	0.0037	0.0003	0.1455	0.1741	2.4945	0.0519	35.50	35.50	30.60	30.60	6.40	6.40	0.50			84.92	74.75	6.23	98.18	98.18
89.0	17-Jul-98		109	Midbay North	25.56417	-80.23500	1998.54	BB	MAIN	0.54	07	1998	1998-07	0.0009	0.0000	0.0009	0.0089	0.1790	0.0098	0.1692	0.0030	0.0000	0.1940	0.2140	3.1033	0.0706	37.10	37.10	30.30	30.30	5.80	5.80	0.40			131.16		7.18	89.68	89.68
89.0	16-Jul-98		110	Fender Point	25.50500	-80.28750	1998.54	BB	IS	0.54	07	1998	1998-07	0.0272	0.0243	0.0029	0.0196	0.2811	0.0469	0.2342	0.0031	0.0001	0.1395	0.2886	3.5655	0.0973	36.30	36.30	30.80	30.80	6.60	6.50	0.40			200.75	1339.00	33.48	101.89	100.34
89.0	17-Jul-98		111	Featherbed Bank	25.51583	-80.24000	1998.54	BB	MAIN	0.54	07	1998	1998-07	0.0037	0.0023	0.0014	0.0188	0.2017	0.0225	0.1792	0.0028	0.0000	0.2264	0.2114	3.2978	0.0767	37.20	37.20	30.50	30.50	5.90	5.90	0.45			160.11		17.89	91.41	91.41
89.0	17-Jul-98		112	Sands Cut	25.48833	-80.18833	1998.54	BB	MAIN	0.54	07	1998	1998-07	0.0019	0.0005	0.0014	0.0209	0.1579	0.0228	0.1351	0.0026	0.0002	0.1819	0.2007	2.7770	0.0349	36.10	36.10	30.60	30.70	6.10	6.10	0.35			132.65	325.50	19.15	93.93	93.99
89.0	17-Jul-98		113	Elliott Key	25.44167	-80.22333	1998.54	BB	MAIN	0.54	07	1998	1998-07	0.0072	0.0064	0.0007	0.0312	0.1747	0.0383	0.1364	0.0032	0.0002	0.2318	0.2673	2.7633	0.0403	35.70	35.70	30.40	30.40	5.90	6.00	0.45			121.75	547.50	26.71	90.50	92.03
89.0	17-Jul-98		116	Rubicon Keys	25.40000	-80.25500	1998.54	BB	MAIN	0.54	07	1998	1998-07	0.0075	0.0064	0.0011	0.0155	0.1545	0.0230	0.1315	0.0031	0.0001	0.1374	0.2051	2.6193	0.0673	36.10	36.10	30.40	30.40	5.60	5.50	0.35			110.35	656.00	16.40	86.11	84.58
89.0	17-Jul-98		121	Card Sound North	25.35500	-80.29167	1998.54	BB	SCARD	0.54	07	1998	1998-07	0.0013	0.0002	0.0011	0.0156	0.2589	0.0169	0.2420	0.0036	0.0002	0.1617	0.2806	3.4313	0.0592	35.10	35.10	30.40	30.40	6.00	6.00	0.25			160.80	241.50	10.50	91.69	91.69
89.0	17-Jul-98		122	West Arsenicker	25.42017	-80.31083	1998.54	BB	IS	0.54	07	1998	1998-07	0.0142	0.0125	0.0017	0.0272	0.3692	0.0413	0.3279	0.0050	0.0004	0.3396	0.2975	4.5948	0.0650	34.50	34.50	30.10	30.10	5.20	5.10	0.40			164.82	236.20	18.45	79.01	77.49
89.0	17-Jul-98		123	Pelican Bank	25.44500	-80.28333	1998.54	BB	MAIN	0.54	07	1998	1998-07	0.0298	0.0267	0.0031	0.0244	0.3063	0.0543	0.2520	0.0037	0.0000	0.2412	0.3099	3.5940	0.0586	34.30	34.30	29.80	29.80	5.30	5.30	0.35			182.30		32.29	80.25	80.25
89.0	17-Jul-98		124	Midbay South	25.47250	-80.23333	1998.54	BB	MAIN	0.54	07	1998	1998-07	0.0038	0.0030	0.0008	0.0324	0.2583	0.0362	0.2221	0.0036	0.0000	0.2708	0.2851	2.9203	0.0760	36.20	36.20	30.10	30.10	6.00	6.00	0.65			160.46		22.48	92.13	92.13
89.0	16-Jul-98		126	BNP Marker B	25.67167	-80.20500	1998.54	BB	MAIN	0.54	07	1998	1998-07	0.0020	0.0007	0.0013	0.0133	0.2159	0.0153	0.2005	0.0039	0.0005	0.1598	0.3224	2.8328	0.1539	37.10	37.10	30.10	30.10	5.80	5.90	0.95			123.35	73.00	8.76	89.56	91.11
89.0	16-Jul-98		127	Shoal Point	25.63000	-80.25000	1998.54	BB	IS	0.54	07	1998	1998-07	0.0236	0.0201	0.0034	0.0222	0.4037	0.0458	0.3579	0.0039	0.0000	0.2370	0.3019	4.6563	0.5935	34.00	34.00	30.60	30.60	6.10	6.20	0.20			230.66		26.16	92.71	94.23
89.0	16-Jul-98		128	Matheson Beach	25.68833	-80.23333	1998.54	BB	IS	0.54	07	1998	1998-07	0.0211	0.0180	0.0031	0.0255	0.4101	0.0466	0.3635	0.0042	0.0000	0.1530	0.4156	4.6813	0.6329	34.40	35.30	31.30	30.50	5.00	6.10	0.30			217.01		24.67	76.52	93.40
89.0	16-Jul-98		129	Marker G-71	25.73667	-80.18500	1998.54	BB	MAIN	0.54	07	1998	1998-07	0.0051	0.0037	0.0014	0.0254	0.3392	0.0305	0.3087	0.0038	0.0001	0.1598	0.4964	3.7435	0.4653	36.80	36.80	30.10	30.10	5.80	5.90	2.35			197.78	871.00	17.78	89.39	90.94
89.0	16-Jul-98		130	South Dodge Island	25.76333	-80.17167	1998.54	BB	NBAY	0.54	07	1998	1998-07	0.0337	0.0289	0.0048	0.0995	0.4519	0.1331	0.3188	0.0064	0.0001	0.1774	0.9795	5.0318	0.6934	32.00	35.80	30.40	30.00	5.20	5.80	1.50			157.46	3804.00	46.39	77.95	88.78
89.0	16-Jul-98		131	North Venetian Basin	25.80000	-80.16667	1998.54	BB	NBAY	0.54	07	1998	1998-07	0.0393	0.0348	0.0045	0.0502	0.4352	0.0895	0.3457	0.0071	0.0000	0.1124	0.8872	4.5223	0.5799	32.70	33.70	30.40	30.40	4.60	5.10	1.20			136.63		28.09	69.25	77.26
89.0	16-Jul-98		132	North I-195 Basin	25.81667	-80.16667	1998.54	BB	NBAY	0.54	07	1998	1998-07	0.0386	0.0349	0.0037	0.0310	0.3432	0.0695	0.2736	0.0066	0.0000	0.1002	0.8703	3.9885	0.3365	33.30	33.20	30.10	30.10	4.60	4.50	1.60			115.35		23.38	69.37	67.82
89.0	16-Jul-98		133	North Normandy Isle	25.86667	-80.15000	1998.54	BB	NBAY	0.54	07	1998	1998-07	0.0186	0.0155	0.0030	0.0216	0.3718	0.0401	0.3317	0.0089	0.0004	0.2668	1.3934	4.6058	0.4545	31.00	31.00	30.40	30.30	5.40	5.40	1.30			92.38	229.40	9.97	80.44	80.39
89.0	16-Jul-98		134	Oleta River Park	25.90500	-80.13333	1998.54	BB	NBAY	0.54	07	1998	1998-07	0.0167	0.0135	0.0032	0.0158	0.3154	0.0325	0.2829	0.0097	0.0009	0.2167	1.4245	4.4218	0.5149	31.30	35.10	30.90	30.10	5.60	5.60	1.25			72.10	77.42	7.43	83.86	85.40
89.0	17-Jul-98		135	South Card Sound	25.31667	-80.31667	1998.54	BB	SCARD	0.54	07	1998	1998-07	0.0070	0.0062	0.0008	0.0124	0.3977	0.0195	0.3782	0.0042	0.0000	0.1779	0.4725	4.4400	0.0859	33.50	33.50	30.40	30.40	6.30	6.20	0.10			210.40		10.30	95.32	93.81
90.0	12-Aug-98		101	Convoy Point	25.47833	-80.32083	1998.61	BB	AS	0.61	08	1998	1998-08	0.1241	0.1180	0.0061	0.0246	0.5465	0.1488	0.3978	0.0039	0.0006	0.4199	0.4272	4.9620		30.80	32.30	32.50	32.90	4.80	4.90	0.30			306.85	531.25	83.51	87.83	89.65
90.0	11-Aug-98		102	Black Point	25.54583	-80.29467	1998.61	BB	AS	0.61	08	1998	1998-08	0.0713	0.0635	0.0078	0.0234	0.5546	0.0947	0.4599	0.0043	0.0018	0.3945	0.3561	6.3125		26.60	28.10	32.80	32.50	7.80	7.80	0.20			288.08	117.61	49.18	71.05	72.59
90.0	11-Aug-98		103	Near Black Ledge	25.57333	-80.28667	1998.61	BB	IS	0.61	08	1998	1998-08	0.0125	0.0096	0.0028	0.0170	0.4244	0.0294	0.3949	0.0037	0.0001	0.2750	0.3037	4.7075		32.50	32.40	32.50	32.70	6.90	7.10	0.20			252.60	841.00	17.52	77.74	79.30
90.0	11-Aug-98		104	BNP Marker C	25.60167	-80.22083	1998.61	BB	MAIN	0.61	08	1998	1998-08	0.0020	0.0012	0.0009	0.0098	0.1911	0.0118	0.1793	0.0039	0.0001	0.1424	0.2069	2.2720		35.30	35.70	31.50	31.60	5.70	5.80	0.35			109.23	338.00	6.76	74.30	76.99
90.0	13-Aug-98		108	Marker G-1B	25.56917	-80.19250	1998.61	BB	MAIN	0.61	08	1998	1998-08	0.0006	0.0001	0.0004	0.0059	0.1531	0.0064	0.1467	0.0047	0.0000	0.1145	0.1599	2.2580		35.20	35.20	32.00	32.00	4.60	4.70	0.25			72.91		3.07	79.55	79.54
90.0	13-Aug-98		109	Midbay North	25.56417	-80.23500	1998.61	BB	MAIN	0.61	08	1998	1998-08	0.0042	0.0029	0.0013	0.0120	0.1853	0.0162	0.1692	0.0033	0.0000	0.2006	0.1998	2.6190		36.10	36.10	32.20	32.20	5.00	5.10	0.25			123.15		10.74	74.58	76.09
90.0	12-Aug-98		110	Fender Point	25.50500	-80.28750	1998.61	BB	IS	0.61	08	1998	1998-08	0.1259	0.1194	0.0065	0.0199	0.4466	0.1458	0.3008	0.0036	0.0001	0.2153	0.1918	3.9088		32.60	34.70	31.60	32.00	4.90	5.00	0.25			271.47	4165.00	88.62	81.09	86.14
90.0	13-Aug-98		111	Featherbed Bank	25.51583	-80.24000	1998.61	BB	MAIN	0.61	08	1998	1998-08	0.0044	0.0027	0.0017	0.0168	0.2319	0.0212	0.2107	0.0031	0.0000	0.1765	0.2043	2.9033		36.80	36.70	32.00	32.10	5.10	5.10	0.60			165.67		15.18	75.69	75.64
90.0	13-Aug-98		112	Sands Cut	25.48833	-80.18833	1998.61	BB	MAIN	0.61	08	1998	1998-08	0.0025	0.0012	0.0013	0.0180	0.1960	0.0205	0.1756	0.0040	0.0000	0.2143	0.2238	2.7038		35.90	35.80	32.30	32.30	4.80	4.90	0.55			109.83		11.47	83.15	84.69
90.0	13-Aug-98		113	Elliott Key	25.44167	-80.22333	1998.61	BB	MAIN	0.61	08	1998	1998-08	0.0115	0.0101	0.0014	0.0292	0.2239	0.0407	0.1832	0.0041	0.0000	0.2080	0.2176	2.8500		36.50	37.10	32.30	32.40	5.20	5.50	0.55			120.68		21.94	67.92	67.92
90.0	12-Aug-98		116	Rubicon Keys	25.40000	-80.25500	1998.61	BB	MAIN	0.61	08	1998	1998-08	0.0096	0.0079	0.0017	0.0137	0.1602	0.0232	0.1370	0.0036	0.0002	0.1596	0.1758	2.4185		35.40	35.30	31.80	31.80	4.90	4.90	0.40			97.40	221.33	14.13	72.51	74.06
90.0	12-Aug-98		121	Card Sound North	25.35500	-80.29167	1998.61	BB	SCARD	0.61	08	1998	1998-08	0.0014	0.0001	0.0013	0.0141	0.1915	0.0155	0.1760	0.0041	0.0002	0.1714	0.2931	3.0355		34.80	34.80	31.90	31.90	5.40	5.50	0.20			103.24	147.67	8.36	77.65	80.76
90.0	12-Aug-98		122	West Arsenicker	25.42017	-80.31083	1998.61	BB	IS	0.61	08	1998	1998-08	0.0319	0.0288	0.0030	0.0263	0.2892	0.0581	0.2310	0.0046	0.0007	0.2989	0.2398	3.6608		35.40	35.40	31.70	31.70	4.40	4.40	0.40			140.04	184.56	28.15	85.01	85.01
90.0	12-Aug-98		123	Pelican Bank	25.44500	-80.28333	1998.61	BB	MAIN	0.61	08	1998	1998-08	0.0227	0.0188	0.0039	0.0178	0.2690	0.0405	0.2286	0.0047	0.0005	0.2432	0.2593	3.4833		35.50	35.50	31.50	31.50	4.70	4.80	0.45			128.11	192.67	19.27	88.58	88.52
90.0	12-Aug-98		124	Midbay South	25.47250	-80.23333	1998.61	BB	MAIN	0.61	08	1998	1998-08	0.0241	0.0217	0.0024	0.0219	0.5225	0.0459	0.4766	0.0044	0.0002	0.1778	0.2913	2.8895		36.10	36.10	32.00	32.00	5.00	5.20	0.55			261.91	656.40	23.03	93.24	80.11
90.0	11-Aug-98		126	BNP Marker B	25.67167	-80.20500	1998.61	BB	MAIN	0.61	08	1998	1998-08	0.0028	0.0011	0.0017	0.0117	0.1672	0.0145	0.1527	0.0052	0.0004	0.1130	0.3019	2.4553		35.80	35.80	31.50	31.50	5.50	5.50	0.85			71.28	82.80	6.18	81.11	82.65
90.0	11-Aug-98		127	Shoal Point	25.63000	-80.25000	1998.61	BB	IS	0.61	08	1998	1998-08	0.0194	0.0161	0.0033	0.0152	0.2936	0.0345	0.2591	0.0041	0.0002	0.1543	0.2726	3.9370		33.10	33.00	32.30	32.30	5.80	5.80	0.00			158.30	493.50	18.62	79.09	80.61
90.0	11-Aug-98		128	Matheson Beach	25.68833	-80.23333	1998.61	BB	IS	0.61	08	1998	1998-08	0.0043	0.0018	0.0025	0.0137	0.3203	0.0180	0.3023	0.0064	0.0006	0.3576	1.8587	4.7888		30.60	31.40	32.30	32.20	6.20	6.30	0.50			111.61	64.25	6.27	81.23	84.29
90.0	11-Aug-98		129	Marker G-71	25.73667	-80.18500	1998.61	BB	MAIN	0.61	08	1998	1998-08	0.0071	0.0052	0.0019	0.0167	0.2168	0.0238	0.1930	0.0065	0.0002	0.2011	1.0115	3.2818		34.20	34.20	31.50	31.50	5.30	5.40	1.50			73.73	226.33	8.08	80.98	80.98
90.0	11-Aug-98		130	South Dodge Island	25.76333	-80.17167	1998.61	BB	NBAY	0.61	08	1998	1998-08	0.0129	0.0105	0.0024	0.0194	0.2669	0.0323	0.2346	0.0086	0.0005	0.3880	2.5195	3.3740		33.20	33.10	31.50	31.60	5.20	5.30	1.65			68.70	131.71	8.31	90.31	71.03
90.0	11-Aug-98		131	North Venetian Basin	25.80000	-80.16667	1998.61	BB	NBAY	0.61	08	1998	1998-08	0.0107	0.0086	0.0021	0.0127	0.2483	0.0234	0.2248	0.0102	0.0004	0.6238	4.6908	4.1283		31.20	31.40	31.70	31.60	5.40	5.60	2.40			53.73	133.80	5.07	84.81	85.65
90.0	11-Aug-98		132	North I-195 Basin	25.81667	-80.16667	1998.61	BB	NBAY	0.61	08	1998	1998-08	0.0044	0.0020	0.0025	0.0115	0.3022	0.0159	0.2863	0.0109	0.0003	0.6445	5.2929	4.4603		30.80	30.80	31.60	31.60	5.40	5.40	2.20			61.24	113.75	3.23	87.12	85.65
90.0	11-Aug-98		133	North Normandy Isle	25.86667	-80.15000	1998.61	BB	NBAY	0.61	08	1998	1998-08	0.0034	0.0021	0.0013	0.0165	0.4146	0.0199	0.3947	0.0110	0.0016	0.2043	2.1198	6.1803		26.00	31.40	31.70	32.30	6.20	4.70	0.55			83.42	28.40	4.00	83.05	81.59
90.0	11-Aug-98		134	Oleta River Park	25.90500	-80.13333	1998.61	BB	NBAY	0.61	08	1998	1998-08	0.0043	0.0025	0.0018	0.0147	0.2734	0.0190	0.2544	0.0117	0.0007	0.2858	1.7655	4.2795		32.50	34.30	31.50	31.30	5.60	5.60	1.15			51.73	60.22	3.59	98.77	106.07
90.0	12-Aug-98		135	South Card Sound	25.31667	-80.31667	1998.61	BB	SCARD	0.61	08	1998	1998-08	0.0030	0.0013	0.0018	0.0144	0.3307	0.0175	0.3132	0.0052	0.0010	0.2057	0.3410	4.6705		33.70	33.80	31.80	31.80	5.70	5.60	0.15			141.03	38.38	7.45	97.35	114.59
91.0			101	Convoy Point	25.47833	-80.32083	1900.00	BB	AS																															
91.0			102	Black Point	25.54583	-80.29467	1900.00	BB	AS																															
91.0			103	Near Black Ledge	25.57333	-80.28667	1900.00	BB	IS																															
91.0			104	BNP Marker C	25.60167	-80.22083	1900.00	BB	MAIN																															
91.0			108	Marker G-1B	25.56917	-80.19250	1900.00	BB	MAIN																															
91.0			109	Midbay North	25.56417	-80.23500	1900.00	BB	MAIN																															
91.0			110	Fender Point	25.50500	-80.28750	1900.00	BB	IS																															
91.0			111	Featherbed Bank	25.51583	-80.24000	1900.00	BB	MAIN																															
91.0			112	Sands Cut	25.48833	-80.18833	1900.00	BB	MAIN																															
91.0			113	Elliott Key	25.44167	-80.22333	1900.00	BB	MAIN																															
91.0			116	Rubicon Keys	25.40000	-80.25500	1900.00	BB	MAIN																															
91.0			121	Card Sound North	25.35500	-80.29167	1900.00	BB	SCARD																															
91.0			122	West Arsenicker	25.42017	-80.31083	1900.00	BB	IS																															
91.0			123	Pelican Bank	25.44500	-80.28333	1900.00	BB	MAIN																															
91.0			124	Midbay South	25.47250	-80.23333	1900.00	BB	MAIN																															
91.0			126	BNP Marker B	25.67167	-80.20500	1900.00	BB	MAIN																															
91.0			127	Shoal Point	25.63000	-80.25000	1900.00	BB	IS																															
91.0			128	Matheson Beach	25.68833	-80.23333	1900.00	BB	IS																															
91.0			129	Marker G-71	25.73667	-80.18500	1900.00	BB	MAIN																															
91.0			130	South Dodge Island	25.76333	-80.17167	1900.00	BB	NBAY																															
91.0			131	North Venetian Basin	25.80000	-80.16667	1900.00	BB	NBAY																															
91.0			132	North I-195 Basin	25.81667	-80.16667	1900.00	BB	NBAY																															
91.0			133	North Normandy Isle	25.86667	-80.15000	1900.00	BB	NBAY																															
91.0			134	Oleta River Park	25.90500	-80.13333	1900.00	BB	NBAY																															
91.0			135	South Card Sound	25.31667	-80.31667	1900.00	BB	SCARD																															
92.0	29-Oct-98		101	Convoy Point	25.47833	-80.32083	1998.82	BB	AS	0.82	10	1998	1998-10	0.4045	0.3933	0.0112	0.0721	0.8044	0.4766	0.3277	0.0051	0.0039	0.2655	0.3216	5.2333	0.5387	18.30	29.30	25.10	25.90	7.70	12.00	0.31			346.11	272.32	205.06	100.86	170.15

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
92.0	30-Oct-98		102	Black Point	25.54583	-80.29467	1998.83	BB	AS	0.83	10	1998	1998-10	0.0027	0.0015	0.0012	0.0100	0.3204	0.0127	0.3077	0.0048	0.0017	0.2441	0.4004	3.8218	0.1135	30.40	30.40	26.30	26.30	9.50	9.70	0.17			149.09	16.45	5.90	136.20	139.07
92.0	30-Oct-98		103	Near Black Ledge	25.57333	-80.28667	1998.83	BB	IS	0.83	10	1998	1998-10	0.0087	0.0057	0.0030	0.0146	0.3066	0.0233	0.2833	0.0041	0.0021	0.2463	0.2580	3.8078	0.0311	28.80	28.80	26.30	26.30	8.50	8.60	0.31			167.18	24.63	12.69	120.63	122.05
92.0	30-Oct-98		104	BNP Marker C	25.60167	-80.22083	1998.83	BB	MAIN	0.83	10	1998	1998-10	0.0035	0.0021	0.0014	0.0082	0.2155	0.0117	0.2038	0.0046	0.0018	0.0726	0.2392	2.3668	0.0180	33.80	33.70	24.40	24.40	6.80	6.70	0.41			103.64	14.52	5.62	97.67	96.17
92.0	30-Oct-98		108	Marker G-1B	25.56917	-80.19250	1998.83	BB	MAIN	0.83	10	1998	1998-10	0.0008	0.0000	0.0008	0.0086	0.1751	0.0094	0.1657	0.0045	0.0016	0.0707	0.1738	2.1985	0.0013	33.90	33.90	24.30	24.30	6.80	6.90	0.29			85.67	12.76	4.59	97.62	99.06
92.0	30-Oct-98		109	Midbay North	25.56417	-80.23500	1998.83	BB	MAIN	0.83	10	1998	1998-10	0.0031	0.0024	0.0007	0.0096	0.1751	0.0127	0.1624	0.0040	0.0021	0.0602	0.2024	2.3390	0.0109	33.80	33.80	24.40	24.40	6.70	6.80	0.13			97.32	13.44	7.06	96.23	97.67
92.0	29-Oct-98		110	Fender Point	25.50500	-80.28750	1998.82	BB	IS	0.82	10	1998	1998-10	0.0049	0.0044	0.0005	0.0074	0.4548	0.0122	0.4426	0.0052	0.0026	0.3235	0.2320	4.8130	0.3406	27.40	30.20	24.90	25.10	7.40	8.60	0.36			192.78	10.26	5.18	102.56	121.62
92.0	30-Oct-98		111	Featherbed Bank	25.51583	-80.24000	1998.83	BB	MAIN	0.83	10	1998	1998-10	0.0016	0.0009	0.0007	0.0074	0.1693	0.0090	0.1603	0.0041	0.0016	0.0950	0.1424	2.4593	0.0011	33.70	33.70	24.30	24.30	6.70	6.70	0.16			90.59	12.85	4.81	96.06	96.06
92.0	29-Oct-98		112	Sands Cut	25.48833	-80.18833	1998.82	BB	MAIN	0.82	10	1998	1998-10	0.0007	0.0000	0.0007	0.0100	0.1760	0.0107	0.1653	0.0038	0.0005	0.0790	0.1836	2.3865	0.0000	34.30	34.30	24.10	24.10	5.80	5.90	0.35			103.90	43.57	6.30	83.30	84.73
92.0	29-Oct-98		113	Elliott Key	25.44167	-80.22333	1998.82	BB	MAIN	0.82	10	1998	1998-10	0.0042	0.0032	0.0010	0.0131	0.2012	0.0173	0.1839	0.0040	0.0002	0.0629	0.2123	2.2803	0.0000	34.10	34.10	24.20	24.20	5.70	5.70	0.31			111.84	164.33	9.59	81.85	81.85
92.0	29-Oct-98		116	Rubicon Keys	25.40000	-80.25500	1998.82	BB	MAIN	0.82	10	1998	1998-10	0.0095	0.0083	0.0012	0.0069	0.1836	0.0163	0.1673	0.0040	0.0006	0.0639	0.2616	2.3933	0.0131	34.70	34.70	24.30	24.30	6.70	6.80	0.50			102.04	58.25	9.07	96.69	98.13
92.0	29-Oct-98		121	Card Sound North	25.35500	-80.29167	1998.82	BB	SCARD	0.82	10	1998	1998-10	0.0067	0.0056	0.0011	0.0093	0.2807	0.0160	0.2647	0.0044	0.0013	0.0991	0.2992	3.8875	0.0115	31.40	31.80	24.40	24.40	6.60	6.60	0.20			140.69	26.88	8.02	93.34	93.58
92.0	29-Oct-98		122	West Arsenicker	25.42017	-80.31083	1998.82	BB	IS	0.82	10	1998	1998-10	0.2311	0.2227	0.0084	0.0951	0.5616	0.3261	0.2355	0.0069	0.0026	0.2032	0.3305	5.2048	0.1078	21.10	21.10	24.30	24.30	7.00	7.00	0.62			180.30	274.06	104.70	92.51	92.51
92.0	29-Oct-98		123	Pelican Bank	25.44500	-80.28333	1998.82	BB	MAIN	0.82	10	1998	1998-10	0.0834	0.0798	0.0035	0.0253	0.5460	0.1086	0.4374	0.0056	0.0014	0.1040	0.2123	4.0318	0.0589	27.70	29.60	24.10	24.50	6.70	6.60	0.37			216.67	172.44	43.11	92.19	92.36
92.0	29-Oct-98		124	Midbay South	25.47250	-80.23333	1998.82	BB	MAIN	0.82	10	1998	1998-10	0.0104	0.0086	0.0018	0.0226	0.3138	0.0330	0.2808	0.0057	0.0010	0.0632	0.2419	2.7185	0.0054	33.60	33.60	24.50	24.50	5.70	5.70	0.57			121.15	72.46	12.73	81.86	81.86
92.0	30-Oct-98		126	BNP Marker B	25.67167	-80.20500	1998.83	BB	MAIN	0.83	10	1998	1998-10	0.0082	0.0056	0.0026	0.0121	0.2465	0.0202	0.2262	0.0057	0.0019	0.0798	0.2454	3.0620	0.0472	31.10	31.30	24.50	24.30	6.80	7.10	0.05			95.17	24.08	7.81	96.09	100.23
92.0	30-Oct-98		127	Shoal Point	25.63000	-80.25000	1998.83	BB	IS	0.83	10	1998	1998-10	0.0027	0.0009	0.0018	0.0078	0.2709	0.0105	0.2604	0.0055	0.0016	0.1097	0.2983	3.5073	0.0226	29.00	29.10	25.20	25.20	7.80	7.80	0.13			109.01	14.95	4.21	109.58	109.65
92.0	30-Oct-98		128	Matheson Beach	25.68833	-80.23333	1998.83	BB	IS	0.83	10	1998	1998-10	0.0183	0.0153	0.0030	0.0115	0.2895	0.0298	0.2597	0.0075	0.0026	0.1086	0.7426	3.6873	0.0793	28.60	30.70	25.70	25.40	7.00	9.30	0.11			85.28	25.06	8.78	98.61	132.37
92.0	30-Oct-98		129	Marker G-71	25.73667	-80.18500	1998.83	BB	MAIN	0.83	10	1998	1998-10	0.0278	0.0229	0.0049	0.0254	0.2483	0.0531	0.1952	0.0081	0.0026	0.0881	0.5742	3.3068	0.3287	30.90	33.90	24.40	24.60	6.70	6.90	0.24			67.57	44.65	14.46	94.45	99.39
92.0	30-Oct-98		130	South Dodge Island	25.76333	-80.17167	1998.83	BB	NBAY	0.83	10	1998	1998-10	0.0175	0.0140	0.0035	0.0116	0.2454	0.0290	0.2164	0.0085	0.0030	0.1211	0.8160	3.1438	0.2069	31.20	31.70	24.80	24.80	6.80	6.40	0.62			63.75	21.26	7.54	96.47	91.09
92.0	30-Oct-98		131	North Venetian Basin	25.80000	-80.16667	1998.83	BB	NBAY	0.83	10	1998	1998-10	0.0218	0.0188	0.0029	0.0158	0.2760	0.0376	0.2384	0.0093	0.0022	0.0670	0.6064	3.3895	0.2783	29.80	31.70	24.80	25.10	7.20	7.00	0.39			65.70	38.32	8.94	101.23	99.95
92.0	30-Oct-98		132	North I-195 Basin	25.81667	-80.16667	1998.83	BB	NBAY	0.83	10	1998	1998-10	0.0285	0.0239	0.0047	0.0344	0.3173	0.0630	0.2544	0.0094	0.0018	0.0906	0.6154	4.2273	0.4332	27.90	30.50	24.60	24.40	7.30	7.40	0.21			74.93	78.22	14.87	101.16	104.04
92.0	30-Oct-98		133	North Normandy Isle	25.86667	-80.15000	1998.83	BB	NBAY	0.83	10	1998	1998-10	0.0058	0.0029	0.0029	0.0186	0.2062	0.0244	0.1818	0.0110	0.0010	0.0891	0.7560	2.7505	0.2130	33.40	33.40	25.20	25.10	7.10	7.80	0.62			41.48	53.54	4.90	102.61	112.60
92.0	30-Oct-98		134	Oleta River Park	25.90500	-80.13333	1998.83	BB	NBAY	0.83	10	1998	1998-10	0.0249	0.0203	0.0046	0.0139	0.2289	0.0388	0.1901	0.0131	0.0012	0.1171	2.1238	3.1285	0.2582	33.20	34.90	25.60	25.90	6.80	6.40	0.80			38.70	73.87	6.56	98.56	94.06
92.0	29-Oct-98		135	South Card Sound	25.31667	-80.31667	1998.82	BB	SCARD	0.82	10	1998	1998-10	0.0887	0.0834	0.0053	0.0291	0.3661	0.1178	0.2483	0.0068	0.0015	0.0779	0.3198	3.4200	0.0008	28.30	28.30	24.30	24.30	7.00	7.00	0.27			118.87	177.16	38.25	96.92	96.92
93.0	18-Nov-98		101	Convoy Point	25.47833	-80.32083	1998.88	BB	AS	0.88	11	1998	1998-11	0.4284	0.4152	0.0132	0.0979	0.7421	0.5264	0.2158	0.0126	0.0001	0.1918	0.4506	3.5150		19.20	24.30	27.40	27.50	6.10	8.20	0.49			130.17	15038.70	92.32	82.32	114.40
93.0	18-Nov-98		102	Black Point	25.54583	-80.29467	1998.88	BB	AS	0.88	11	1998	1998-11	0.3751	0.3590	0.0161	0.0411	0.6316	0.4162	0.2154	0.0119	0.0004	0.2497	0.3162	3.7840		19.90	19.80	27.00	27.00	7.80	7.80	0.40			117.79	2378.20	77.62	105.32	105.25
93.0	18-Nov-98		103	Near Black Ledge	25.57333	-80.28667	1998.88	BB	IS	0.88	11	1998	1998-11	0.0252	0.0172	0.0080	0.0340	0.4205	0.0591	0.3614	0.0122	0.0000	0.3746	0.3198	5.5585		20.40	20.40	27.50	27.50	7.70	7.70	0.43			76.14		10.70	104.80	104.80
93.0	18-Nov-98		104	BNP Marker C	25.60167	-80.22083	1998.88	BB	MAIN	0.88	11	1998	1998-11	0.0095	0.0075	0.0020	0.0125	0.2142	0.0220	0.1922	0.0111	0.0000	0.0840	0.2777	2.1113		32.50	32.50	25.30	25.30	6.20	6.30	0.56			42.71		4.39	89.18	90.62
93.0	18-Nov-98		108	Marker G-1B	25.56917	-80.19250	1998.88	BB	MAIN	0.88	11	1998	1998-11	0.0031	0.0023	0.0007	0.0059	0.1381	0.0090	0.1291	0.0126	0.0000	0.0654	0.2822	1.6615		34.10	34.10	25.30	25.30	5.00	5.10	0.48			24.20		1.57	72.66	74.11
93.0	18-Nov-98		109	Midbay North	25.56417	-80.23500	1998.88	BB	MAIN	0.88	11	1998	1998-11	0.0047	0.0035	0.0012	0.0057	0.1717	0.0104	0.1613	0.0099	0.0000	0.0832	0.2141	2.0273		33.50	33.50	25.40	25.40	5.70	5.80	0.43			38.48		2.32	82.60	84.05
93.0	18-Nov-98		110	Fender Point	25.50500	-80.28750	1998.88	BB	IS	0.88	11	1998	1998-11	0.3113	0.3022	0.0091	0.0494	0.5170	0.3607	0.1562	0.0103	0.0000	0.1561	0.2705	2.9128		22.90	23.00	27.50	27.50	6.90	7.00	0.52			111.40		77.73	95.41	96.86
93.0	18-Nov-98		111	Featherbed Bank	25.51583	-80.24000	1998.88	BB	MAIN	0.88	11	1998	1998-11	0.0049	0.0037	0.0012	0.0084	0.1504	0.0133	0.1372	0.0115	0.0000	0.0892	0.1765	1.7515		33.80	33.80	25.40	25.40	5.20	5.10	0.32			29.04		2.56	75.50	74.05
93.0	19-Nov-98		112	Sands Cut	25.48833	-80.18833	1998.88	BB	MAIN	0.88	11	1998	1998-11	0.0082	0.0067	0.0015	0.0147	0.1547	0.0230	0.1317	0.0129	0.0000	0.0951	0.2436	1.8940		33.30	33.30	26.10	26.10	5.70	5.70	0.54			26.56		3.94	83.09	83.09
93.0	19-Nov-98		113	Elliott Key	25.44167	-80.22333	1998.88	BB	MAIN	0.88	11	1998	1998-11	0.0232	0.0218	0.0014	0.0534	0.2226	0.0767	0.1460	0.0126	0.0000	0.1035	0.2589	2.0628		32.30	32.30	25.90	25.90	6.40	6.50	0.89			39.00		13.43	92.51	93.95
93.0	19-Nov-98		116	Rubicon Keys	25.40000	-80.25500	1998.88	BB	MAIN	0.88	11	1998	1998-11	0.0117	0.0102	0.0015	0.0128	0.1689	0.0245	0.1444	0.0138	0.0000	0.0799	0.2248	3.2045		33.60	33.60	26.50	26.50	5.90	6.00	1.09			27.09		3.94	86.50	87.97
93.0	19-Nov-98		121	Card Sound North	25.35500	-80.29167	1998.88	BB	SCARD	0.88	11	1998	1998-11	0.0271	0.0248	0.0023	0.0223	0.2454	0.0494	0.1959	0.0125	0.0000	0.1073	0.3735	3.4425		30.20	30.20	26.30	26.30	6.20	6.30	0.64			43.49		8.76	88.78	90.21
93.0	19-Nov-98		122	West Arsenicker	25.42017	-80.31083	1998.88	BB	IS	0.88	11	1998	1998-11	0.1007	0.0965	0.0042	0.0328	0.3443	0.1335	0.2108	0.0100	0.0000	0.1256	0.2696	3.4263		26.00	26.10	26.60	26.60	6.60	6.70	0.47			76.61		29.70	92.28	93.74
93.0	19-Nov-98		123	Pelican Bank	25.44500	-80.28333	1998.88	BB	MAIN	0.88	11	1998	1998-11	0.0650	0.0625	0.0025	0.0298	0.3303	0.0948	0.2356	0.0118	0.0000	0.0951	0.3046	3.0388		29.00	29.00	26.10	26.10	6.50	6.50	0.64			61.97		17.78	92.18	92.18
93.0	19-Nov-98		124	Midbay South	25.47250	-80.23333	1998.88	BB	MAIN	0.88	11	1998	1998-11	0.0508	0.0482	0.0026	0.0536	0.2916	0.1043	0.1873	0.0114	0.0000	0.0974	0.2338	2.2893		31.10	31.00	26.00	26.00	6.40	6.40	0.79			56.53		20.22	91.89	91.83
93.0	19-Nov-98		126	BNP Marker B	25.67167	-80.20500	1998.88	BB	MAIN	0.88	11	1998	1998-11	0.0241	0.0211	0.0029	0.0208	0.2451	0.0449	0.2002	0.0125	0.0000	0.1472	0.5240	2.6933		28.80	31.80	25.60	25.40	6.80	6.20	0.36			43.36		7.94	95.81	88.87
93.0	18-Nov-98		127	Shoal Point	25.63000	-80.25000	1998.88	BB	IS	0.88	11	1998	1998-11	0.0564	0.0520	0.0044	0.0220	0.3825	0.0784	0.3041	0.0149	0.0001	0.0981	0.3198	3.7160		23.90	24.00	26.80	26.70	6.80	6.90	0.16			56.83	2240.00	11.65	94.00	95.35
93.0	18-Nov-98		128	Matheson Beach	25.68833	-80.23333	1998.88	BB	IS	0.88	11	1998	1998-11	0.0365	0.0334	0.0030	0.0192	0.2784	0.0557	0.2227	0.0153	0.0004	0.1368	0.8922	3.0443		27.30	29.10	26.90	26.30	6.30	6.60	0.17			40.25	318.00	8.05	89.08	93.84
93.0	18-Nov-98		129	Marker G-71	25.73667	-80.18500	1998.88	BB	MAIN	0.88	11	1998	1998-11	0.0348	0.0303	0.0044	0.0479	0.2494	0.0827	0.1667	0.0139	0.0000	0.0840	0.7748	2.9250		29.60	32.40	26.50	25.90	5.90	6.30	0.84			39.72		13.17	84.32	91.12
93.0	18-Nov-98		130	South Dodge Island	25.76333	-80.17167	1998.88	BB	NBAY	0.88	11	1998	1998-11	0.0475	0.0439	0.0036	0.0317	0.2250	0.0792	0.1458	0.0152	0.0001	0.0691	1.2263	2.9803		30.20	30.20	26.60	26.60	7.00	7.20	0.94			32.88	2262.00	11.57	100.53	103.40
93.0	18-Nov-98		131	North Venetian Basin	25.80000	-80.16667	1998.88	BB	NBAY	0.88	11	1998	1998-11	0.0575	0.0530	0.0046	0.0372	0.2582	0.0947	0.1634	0.0162	0.0000	0.0580	0.9531	3.1448		28.40	29.30	26.30	26.00	6.30	6.00	0.82			35.19		12.92	89.18	85.16
93.0	18-Nov-98		132	North I-195 Basin	25.81667	-80.16667	1998.88	BB	NBAY	0.88	11	1998	1998-11	0.0667	0.0608	0.0059	0.0463	0.3262	0.1130	0.2132	0.0121	0.0001	0.1189	0.7730	3.8573		25.60	25.70	26.30	26.30	5.70	5.70	0.37			59.74	3228.00	20.69	79.25	79.31
93.0	18-Nov-98		133	North Normandy Isle	25.86667	-80.15000	1998.88	BB	NBAY	0.88	11	1998	1998-11	0.0931	0.0852	0.0079	0.0644	0.3491	0.1575	0.1916	0.0147	0.0000	0.1107	0.4506	3.8630		25.40	31.20	26.50	26.20	6.60	6.50	0.38			52.74		23.80	91.84	93.58
93.0	18-Nov-98		134	Oleta River Park	25.90500	-80.13333	1998.88	BB	NBAY	0.88	11	1998	1998-11	0.0879	0.0781	0.0098	0.0563	0.2872	0.1442	0.1430	0.0170	0.0002	0.1197	1.6240	3.3565		28.90	34.00	26.60	26.00	6.00	6.20	0.90			37.31	2060.00	18.74	85.46	90.69
93.0	19-Nov-98		135	South Card Sound	25.31667	-80.31667	1998.88	BB	SCARD	0.88	11	1998	1998-11	0.0411	0.0374	0.0036	0.0503	0.3908	0.0913	0.2995	0.0124	0.0000	0.0951	0.3574	4.6198		26.30	31.10	26.30	26.50	7.00	6.90	0.50			69.70		16.29	97.77	99.56
94.0	09-Dec-98		101	Convoy Point	25.47833	-80.32083	1998.94	BB	AS	0.94	12	1998	1998-12	0.1675	0.1559	0.0116	0.0502	0.5774	0.2177	0.3597	0.0135	0.0003	0.2269	0.2029	3.6525		20.00	22.60	24.90	25.00	7.00	7.80	0.61			94.85	1554.75	35.76	92.49	104.92
94.0	08-Dec-98		102	Black Point	25.54583	-80.29467	1998.93	BB	AS	0.93	12	1998	1998-12	0.0609	0.0553	0.0056	0.0197	0.5013	0.0806	0.4207	0.0128	0.0001	0.3138	0.2442	4.9753		18.60	18.60	24.90	24.90	9.40	9.60	0.32			86.77	2302.00	13.95	123.09	125.71
94.0	08-Dec-98		103	Near Black Ledge	25.57333	-80.28667	1998.93	BB	IS	0.93	12	1998	1998-12	0.0761	0.0710	0.0051	0.0230	0.3851	0.0991	0.2861	0.0143	0.0001	0.2232	0.2066	3.4900		22.60	22.70	24.60	25.00	8.50	8.60	0.31			59.47	2830.00	15.30	113.82	115.76
94.0	08-Dec-98		104	BNP Marker C	25.60167	-80.22083	1998.93	BB	MAIN	0.93	12	1998	1998-12	0.0012	0.0007	0.0005	0.0091	0.2865	0.0103	0.2762	0.0132	0.0000	0.0554	0.1606	2.2015		33.20	33.60	24.00	24.00	6.60	6.80	0.61			47.95		1.73	94.00	97.10
94.0	08-Dec-98		108	Marker G-1B	25.56917	-80.19250	1998.93	BB	MAIN	0.93	12	1998	1998-12	0.0012	0.0007	0.0005	0.0074	0.1957	0.0086	0.1871	0.0130	0.0000	0.0493	0.1390	1.7538		34.80	34.80	23.80	23.80	6.20	6.40	0.34			33.24		1.46	89.02	91.89
94.0	08-Dec-98		109	Midbay North	25.56417	-80.23500	1998.93	BB	MAIN	0.93	12	1998	1998-12	0.0011	0.0004	0.0008	0.0086	0.1736	0.0098	0.1639	0.0123	0.0001	0.0679	0.1418	1.8055		34.70	34.70	24.00	24.00	6.50	6.70	0.38			31.25	279.00	1.76	93.48	96.36
94.0	09-Dec-98		110	Fender Point	25.50500	-80.28750	1998.94	BB	IS	0.94	12	1998	1998-12	0.2536	0.2422	0.0113	0.0425	0.5975	0.2961	0.3014	0.0106	0.0004	0.1978	0.1757	3.3965		25.60	28.70	24.40	24.60	6.50	6.70	0.69			124.96	1691.80	61.92	88.54	93.32
94.0	08-Dec-98		111	Featherbed Bank	25.51583	-80.24000	1998.93	BB	MAIN	0.93	12	1998	1998-12	0.0016	0.0008	0.0008	0.0090	0.2050	0.0107	0.1943	0.0115	0.0001	0.0713	0.1531	1.9428		34.50	34.40	23.90	23.90	6.50	6.60	0.51			39.33	305.00	2.05	93.26	94.63
94.0	09-Dec-98		112	Sands Cut	25.48833	-80.18833	1998.94	BB	MAIN	0.94	12	1998	1998-12	0.0009	0.0003	0.0006	0.0104	0.1711	0.0112	0.1598	0.0134	0.0001	0.0678	0.1897	1.8218		35.10	35.10	23.90	24.00	6.00	6.10	0.72			28.32	321.00	1.86	86.42	87.96
94.0	09-Dec-98		113	Elliott Key	25.44167	-80.22333	1998.94	BB	MAIN	0.94	12	1998	1998-12	0.0151	0.0141	0.0011	0.0330	0.2339	0.0482	0.1857	0.0133	0.0002	0.0939	0.2433	2.0843		33.60	34.50	24.00	24.20	6.10	6.00	0.68			38.91	688.00	8.01	87.11	86.38
94.0	09-Dec-98		116	Rubicon Keys	25.40000	-80.25500	1998.94	BB	MAIN	0.94	12	1998	1998-12	0.0047	0.0040	0.0006	0.0107	0.1836	0.0154	0.1682	0.0168	0.0005	0.0650	0.1832	1.9695		34.40	34.50	23.90	23.90	6.30	6.30	0.49			24.25	62.86	2.03	90.33	90.39
94.0	09-Dec-98		121	Card Sound North	25.35500	-80.29167	1998.94	BB	SCARD	0.94	12	1998	1998-12	0.0088	0.0077	0.0011	0.0116	0.3053	0.0204	0.2849	0.0119	0.0002	0.0910	0.3119	2.9703		30.80	33.80	23.90	24.60	7.50	6.50	0.20			56.90	291.00	3.80	105.05	93.57
94.0	09-Dec-98		122	West Arsenicker	25.42017	-80.31083	1998.94	BB	IS	0.94	12	1998	1998-12	0.0053	0.0045	0.0008	0.0134	0.2976	0.0187	0.2789	0.0115	0.0000	0.2007	0.2236	3.1348		30.60	31.20	23.70	23.90	6.20	6.20	0.32			57.47		3.61	86.53	87.07
94.0	09-Dec-98		123	Pelican Bank	25.44500	-80.28333	1998.94	BB	MAIN	0.94	12	1998	1998-12	0.0157	0.0145	0.0012	0.0119	0.2595	0.0276	0.2319	0.0122	0.0002	0.0758	0.2705	3.0388		31.90	31.90	24.00	24.00	6.20	6.20	0.46			46.94	394.50	5.00	87.57	87.57
94.0	09-Dec-98		124	Midbay South	25.47250	-80.23333	1998.94	BB	MAIN	0.94	12	1998	1998-12	0.0133	0.0122	0.0011	0.0462	0.2684	0.0594	0.2090	0.0125	0.0002	0.1226	0.2311	2.6603		32.70	32.60	24.30	24.30	6.30	6.30	0.56			47.46	566.00	10.51	89.75	89.69
94.0	08-Dec-98		126	BNP Marker B	25.67167	-80.20500	1998.93	BB	MAIN	0.93	12	1998	1998-12	0.0086	0.0075	0.0011	0.0150	0.2172	0.0236	0.1936	0.0126	0.0009	0.0658	0.3945	2.5233		31.70	32.20	24.20	24.10	6.50	6.50	0.93			38.15	61.36	4.15	91.89	92.09
94.0	08-Dec-98		127	Shoal Point	25.63000	-80.25000	1998.93	BB	IS	0.93	12	1998	1998-12	0.0086	0.0073	0.0013	0.0102	0.3490	0.0188	0.3303	0.0137	0.0001	0.0916	0.2085	2.7720		29.60	32.80	24.90	24.60	6.50	7.70	0.30			56.32	536.00	3.03	91.37	110.13
94.0	08-Dec-98		128	Matheson Beach	25.68833	-80.23333	1998.93	BB	IS	0.93	12	1998	1998-12	0.0054	0.0047	0.0007	0.0081	0.3081	0.0135	0.2945	0.0134	0.0001	0.0715	0.2480	3.2713		27.20	27.80	24.70	24.60	7.00	7.70	0.64			51.07	387.00	2.25	96.67	106.63
94.0	08-Dec-98		129	Marker G-71	25.73667	-80.18500	1998.93	BB	MAIN	0.93	12	1998	1998-12	0.0080	0.0068	0.0012	0.0172	0.2444	0.0252	0.2192	0.0134	0.0001	0.0635	0.3673	2.9565		29.50	29.40	24.20	24.20	6.80	6.80	0.83			40.41	719.00	4.16	94.78	94.71
94.0	08-Dec-98		130	South Dodge Island	25.76333	-80.17167	1998.93	BB	NBAY	0.93	12	1998	1998-12	0.0164	0.0145	0.0020	0.0151	0.2050	0.0315	0.1736	0.0132	0.0000	0.0529	0.8867	2.5675		31.50	31.50	24.30	24.30	6.30	6.40	1.04			34.39		5.28	89.05	90.47
94.0	08-Dec-98		131	North Venetian Basin	25.80000	-80.16667	1998.93	BB	NBAY	0.93	12	1998	1998-12	0.0368	0.0335	0.0033	0.0273	0.2577	0.0641	0.1936	0.0152	0.0004	0.0573	1.1741	3.5770		28.50	29.10	24.90	24.70	6.20	6.50	1.20			37.48	366.40	9.33	86.54	90.87
94.0	08-Dec-98		132	North I-195 Basin	25.81667	-80.16667	1998.93	BB	NBAY	0.93	12	1998	1998-12	0.0176	0.0151	0.0026	0.0149	0.2635	0.0326	0.2309	0.0149	0.0000	0.0533	0.7261	3.7328		27.80	28.00	24.50	24.30	7.10	7.30	0.68			39.13		4.83	98.21	100.88
94.0	08-Dec-98		133	North Normandy Isle	25.86667	-80.15000	1998.93	BB	NBAY	0.93	12	1998	1998-12	0.0449	0.0407	0.0041	0.0277	0.2819	0.0726	0.2093	0.0162	0.0000	0.0744	1.1065	4.0570		27.10	30.90	24.30	24.90	6.60	7.20	0.69			38.54		9.93	90.67	102.06
94.0	08-Dec-98		134	Oleta River Park	25.90500	-80.13333	1998.93	BB	NBAY	0.93	12	1998	1998-12	0.0502	0.0460	0.0042	0.0200	0.2310	0.0702	0.1609	0.0173	0.0000	0.1117	1.7077	3.1298		31.90	33.80	25.00	24.60	6.20	6.40	0.66			29.52		8.97	88.55	92.13
94.0	09-Dec-98		135	South Card Sound	25.31667	-80.31667	1998.94	BB	SCARD	0.94	12	1998	1998-12	0.0240	0.0205	0.0034	0.0245	0.3282	0.0485	0.2797	0.0145	0.0000	0.1135	0.2339	4.4740		27.90	29.80	23.90	24.70	7.50	7.00	0.45			49.98		7.39	103.09	98.31
95.0	08-Jan-99	1224	101	Convoy Point	25.47833	-80.32083	1999.02	BB	AS	0.02	01	1999	1999-01	0.2848	0.2771	0.0078	0.0772	0.6945	0.3621	0.3324	0.0083	0.0000	0.2575	0.2499	5.1560	0.7078	19.60	27.40	17.80	17.80	8.70	10.10	0.57			185.68		96.81	103.70	126.91
95.0	07-Jan-99	1438	102	Black Point	25.54583	-80.29467	1999.02	BB	AS	0.02	01	1999	1999-01	0.0031	0.0024	0.0007	0.0105	0.3332	0.0136	0.3197	0.0070	0.0000	0.2371	0.1108	5.4225	0.2256	25.10	25.20	16.00	15.90	9.90	10.20	0.21			105.78		4.31	118.69	122.15
95.0	07-Jan-99	1427	103	Near Black Ledge	25.57333	-80.28667	1999.02	BB	IS	0.02	01	1999	1999-01	0.0034	0.0025	0.0009	0.0096	0.1834	0.0130	0.1704	0.0068	0.0002	0.1130	0.1813	3.5110	0.0033	31.50	31.40	17.40	17.40	8.60	8.70	0.23			60.02	123.67	4.25	110.36	111.57
95.0	07-Jan-99	1004	104	BNP Marker C	25.60167	-80.22083	1999.02	BB	MAIN	0.02	01	1999	1999-01	0.0030	0.0019	0.0011	0.0088	0.1345	0.0118	0.1227	0.0069	0.0007	0.1035	0.2621	2.8148	0.0494	34.30	35.20	17.00	16.80	7.30	7.90	2.30			43.00	37.44	3.77	94.84	102.91
95.0	07-Jan-99	950	108	Marker G-1B	25.56917	-80.19250	1999.02	BB	MAIN	0.02	01	1999	1999-01	0.0012	0.0002	0.0009	0.0085	0.1273	0.0097	0.1175	0.0070	0.0004	0.0605	0.2132	2.9408	0.0564	34.00	33.90	16.20	16.20	7.60	7.70	1.60			40.22	55.60	3.08	97.18	98.39
95.0	07-Jan-99	934	109	Midbay North	25.56417	-80.23500	1999.02	BB	MAIN	0.02	01	1999	1999-01	0.0020	0.0008	0.0011	0.0097	0.1343	0.0117	0.1227	0.0067	0.0003	0.0776	0.1014	2.9230	0.0000	33.90	35.60	16.50	16.80	7.60	7.50	0.79			44.43	83.50	3.87	97.63	97.97
95.0	08-Jan-99	1211	110	Fender Point	25.50500	-80.28750	1999.02	BB	IS	0.02	01	1999	1999-01	0.0088	0.0074	0.0013	0.0118	0.1650	0.0205	0.1445	0.0070	0.0005	0.1139	0.2170	3.2240	0.0001	33.10	33.10	17.60	17.60	7.70	7.90	1.04			52.22	83.86	6.50	100.22	102.83
95.0	07-Jan-99	919	111	Featherbed Bank	25.51583	-80.24000	1999.02	BB	MAIN	0.02	01	1999	1999-01	0.0009	0.0000	0.0009	0.0081	0.1075	0.0090	0.0985	0.0061	0.0002	0.0702	0.1127	2.5585	0.0031	35.60	35.60	15.50	15.60	7.70	7.80	1.25			38.96	85.67	3.26	98.31	99.77
95.0	08-Jan-99	1102	112	Sands Cut	25.48833	-80.18833	1999.02	BB	MAIN	0.02	01	1999	1999-01	0.0006	0.0002	0.0004	0.0081	0.1422	0.0087	0.1336	0.0052	0.0000	0.0951	0.1334	2.7420	0.0000	34.80	34.80	17.20	17.10	7.70	8.00	0.89			60.38		3.68	100.71	104.46
95.0	08-Jan-99	1044	113	Elliott Key	25.44167	-80.22333	1999.02	BB	MAIN	0.02	01	1999	1999-01	0.0060	0.0049	0.0011	0.0193	0.1591	0.0253	0.1337	0.0063	0.0001	0.1030	0.2367	2.8365	0.0013	35.90	35.90	17.60	17.60	7.40	7.40	1.83			55.55	723.00	8.84	98.16	98.16
95.0	08-Jan-99	1029	116	Rubicon Keys	25.40000	-80.25500	1999.02	BB	MAIN	0.02	01	1999	1999-01	0.0093	0.0081	0.0012	0.0123	0.1758	0.0216	0.1542	0.0057	0.0002	0.0949	0.2583	3.0813	0.0000	34.70	34.70	17.00	17.00	7.50	7.90	1.86			68.80	308.00	8.44	97.70	102.91
95.0	08-Jan-99	947	121	North Card Sound	25.35500	-80.29167	1999.02	BB	SCARD	0.02	01	1999	1999-01	0.0017	0.0008	0.0009	0.0078	0.1784	0.0095	0.1690	0.0052	0.0004	0.1313	0.1362	3.5150	0.0000	33.40	33.30	17.40	17.40	7.80	7.80	0.26			75.31	54.20	4.00	101.40	101.33
95.0	08-Jan-99	923	122	West Arsenicker	25.42017	-80.31083	1999.02	BB	IS	0.02	01	1999	1999-01	0.1328	0.1278	0.0050	0.0309	0.4099	0.1637	0.2462	0.0060	0.0002	0.2295	0.2113	4.5435	0.2593	24.50	24.50	16.20	16.20	8.40	8.60	0.56			152.48	1558.67	60.89	100.66	103.05
95.0	08-Jan-99	900	123	Pelican Bank	25.44500	-80.28333	1999.02	BB	MAIN	0.02	01	1999	1999-01	0.0513	0.0489	0.0025	0.0204	0.2688	0.0718	0.1970	0.0051	0.0005	0.1264	0.2273	3.9645	0.1494	29.10	33.70	16.20	16.70	8.30	7.90	0.68			117.59	292.86	31.39	102.64	101.69
95.0	08-Jan-99	1152	124	Midbay South	25.47250	-80.23333	1999.02	BB	MAIN	0.02	01	1999	1999-01	0.0028	0.0017	0.0011	0.0180	0.1278	0.0208	0.1070	0.0059	0.0005	0.0930	0.1625	2.9375	0.0000	35.70	35.70	17.90	17.90	7.30	7.50	0.90			48.04	99.00	7.82	97.18	99.84
95.0	07-Jan-99	1022	126	BNP Marker B	25.67167	-80.20500	1999.02	BB	MAIN	0.02	01	1999	1999-01	0.0046	0.0025	0.0021	0.0183	0.1720	0.0229	0.1492	0.0062	0.0004	0.0582	0.3072	3.3875	0.1025	32.10	31.90	17.30	17.20	7.40	7.50	1.11			61.14	130.60	8.12	95.19	96.19
95.0	07-Jan-99	1411	127	Shoal Point	25.63000	-80.25000	1999.02	BB	IS	0.02	01	1999	1999-01	0.0032	0.0022	0.0009	0.0145	0.2047	0.0176	0.1871	0.0049	0.0003	0.0635	0.2048	3.7175	0.0581	31.30	32.40	18.00	17.60	7.80	8.50	0.11			92.26	126.00	7.95	100.96	110.11
95.0	07-Jan-99	1351	128	Matheson Beach	25.68833	-80.23333	1999.02	BB	IS	0.02	01	1999	1999-01	0.0063	0.0048	0.0015	0.0170	0.1876	0.0233	0.1643	0.0050	0.0003	0.0726	0.3278	3.8510	0.0697	30.50	30.40	17.10	17.00	8.20	8.60	0.28			83.77	166.75	10.42	103.99	108.80
95.0	07-Jan-99	1039	129	Marker G-71	25.73667	-80.18500	1999.02	BB	MAIN	0.02	01	1999	1999-01	0.0264	0.0238	0.0027	0.0238	0.1788	0.0502	0.1286	0.0073	0.0001	0.0323	0.6857	3.4010	0.2419	32.40	33.40	19.30	19.30	6.90	7.10	0.86			53.94	1435.00	15.15	91.83	95.12
95.0	07-Jan-99	1054	130	South Dodge Island	25.76333	-80.17167	1999.02	BB	NBAY	0.02	01	1999	1999-01	0.0222	0.0201	0.0021	0.0203	0.1642	0.0425	0.1217	0.0039	0.0005	0.0365	0.6453	3.0138	0.1499	33.80	33.80	20.40	20.40	6.70	6.70	0.58			94.21	202.50	24.40	91.47	91.47
95.0	07-Jan-99	1120	131	North Venetian Basin	25.80000	-80.16667	1999.02	BB	NBAY	0.02	01	1999	1999-01	0.0298	0.0271	0.0027	0.0239	0.2422	0.0537	0.1885	0.0037	0.0003	0.0336	0.6171	3.8078	0.1807	31.70	31.70	18.90	18.60	7.00	7.20	0.83			144.78	383.75	32.11	92.16	94.35
95.0	07-Jan-99	1132	132	North I-195 Basin	25.81667	-80.16667	1999.02	BB	NBAY	0.02	01	1999	1999-01	0.0258	0.0231	0.0027	0.0211	0.2610	0.0469	0.2141	0.0079	0.0000	0.0541	0.4574	4.2255	0.2030	30.10	30.10	17.60	17.60	7.80	8.10	0.62			73.40		13.20	99.48	103.31
95.0	07-Jan-99	1205	133	North Normandy Isle	25.86667	-80.15000	1999.02	BB	NBAY	0.02	01	1999	1999-01	0.0330	0.0299	0.0032	0.0316	0.2369	0.0647	0.1722	0.0102	0.0000	0.0721	1.4804	3.6710	0.3069	32.00	32.90	18.50	18.90	7.20	7.40	1.37			51.63		14.10	94.39	98.21
95.0	07-Jan-99	1222	134	Oleta River Park	25.90500	-80.13333	1999.02	BB	NBAY	0.02	01	1999	1999-01	0.0121	0.0104	0.0017	0.0092	0.1173	0.0212	0.0960	0.0100	0.0005	0.0313	0.5946	2.5130	0.0340	34.60	35.60	21.90	22.90	6.60	6.40	0.16			25.85	101.17	4.68	92.45	91.39
95.0	08-Jan-99	1004	135	South Card Sound	25.31667	-80.31667	1999.02	BB	SCARD	0.02	01	1999	1999-01	0.0019	0.0012	0.0007	0.0105	0.1833	0.0124	0.1709	0.0058	0.0000	0.0897	0.1616	3.6698	0.0000	33.30	33.50	17.90	17.90	7.70	7.70	0.42			69.56		4.70	100.85	100.99
96.0	22-Feb-99	529	101	Convoy Point	25.47833	-80.32083	1999.14	BB	AS	0.14	02	1999	1999-02	0.0104	0.0101	0.0003	0.0048	0.5442	0.0152	0.5290	0.0033	0.0009	3.1972	0.0648	4.6443		29.80	29.80	19.90	19.90	9.30	9.50	0.20			363.68	36.17	10.15	122.74	125.38
96.0	23-Feb-99	940	102	Black Point	25.54583	-80.29467	1999.14	BB	AS	0.14	02	1999	1999-02	0.0065	0.0061	0.0004	0.0032	0.5770	0.0097	0.5670	0.0026	0.0002	3.2092	0.0601	4.7678		28.10	28.10	17.70	17.80	7.70	7.80	0.10			494.57	138.50	8.31	97.05	98.47
96.0	23-Feb-99	954	103	Near Black Ledge	25.57333	-80.28667	1999.14	BB	IS	0.14	02	1999	1999-02	0.0074	0.0065	0.0008	0.0057	0.4156	0.0131	0.4025	0.0021	0.0005	2.1185	0.1287	4.2695		28.10	28.10	17.70	17.80	7.30	7.30	0.25			433.98	53.43	13.67	92.01	92.16

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
96.0	22-Feb-99	1200	104	BNP Marker C	25.60167	-80.22083	1999.14	BB	MAIN	0.14	02	1999	1999-02	0.0082	0.0072	0.0009	0.0066	0.3140	0.0148	0.2992	0.0038	0.0002	0.6186	0.1644	2.8800		35.50	35.40	20.30	20.30	7.30	7.30	2.65			184.62	211.00	8.68	100.65	100.58
96.0	22-Feb-99	1141	108	Marker G-1B	25.56917	-80.19250	1999.14	BB	MAIN	0.14	02	1999	1999-02	0.0018	0.0016	0.0002	0.0044	0.2753	0.0061	0.2692	0.0037	0.0005	0.5441	0.1146	2.6123		35.20	35.20	19.70	19.70	7.90	7.90	1.55			164.41	25.00	3.66	107.77	107.77
96.0	22-Feb-99	1128	109	Midbay North	25.56417	-80.23500	1999.14	BB	MAIN	0.14	02	1999	1999-02	0.0028	0.0026	0.0002	0.0079	0.2475	0.0106	0.2369	0.0033	0.0001	0.6708	0.1221	2.6823		36.40	36.20	20.30	20.30	8.00	8.20	1.85			168.19	304.00	7.23	110.96	113.59
96.0	23-Feb-99	916	110	Fender Point	25.50500	-80.28750	1999.14	BB	IS	0.14	02	1999	1999-02	0.0044	0.0035	0.0009	0.0081	0.3047	0.0125	0.2922	0.0029	0.0011	0.9259	0.1324	3.0893		35.20	35.20	18.00	18.00	7.30	7.30	1.30			233.42	25.50	9.57	97.01	97.01
96.0	22-Feb-99	1058	111	Featherbed Bank	25.51583	-80.24000	1999.14	BB	MAIN	0.14	02	1999	1999-02	0.0036	0.0033	0.0002	0.0039	0.2623	0.0075	0.2548	0.0029	0.0004	0.7676	0.1014	2.6380		35.70	35.80	20.10	20.10	7.70	7.70	1.90			197.30	42.80	5.63	106.00	106.07
96.0	23-Feb-99	1034	112	Sands Cut	25.48833	-80.18833	1999.14	BB	MAIN	0.14	02	1999	1999-02	0.0007	0.0000	0.0007	0.0064	0.2128	0.0071	0.2057	0.0037	0.0005	0.5414	0.0986	2.5880		36.10	36.10	18.00	18.10	7.20	7.20	0.85			126.26	28.86	4.20	96.26	96.42
96.0	23-Feb-99	1112	113	Elliott Key	25.44167	-80.22333	1999.14	BB	MAIN	0.14	02	1999	1999-02	0.0032	0.0023	0.0009	0.0083	0.2077	0.0115	0.1962	0.0032	0.0003	0.8003	0.1663	3.1680		37.00	37.00	18.70	18.70	7.00	7.20	1.50			142.98	82.00	7.90	95.20	97.92
96.0	23-Feb-99	1133	116	Rubicon Keys	25.40000	-80.25500	1999.14	BB	MAIN	0.14	02	1999	1999-02	0.0060	0.0052	0.0008	0.0036	0.1691	0.0096	0.1595	0.0039	0.0002	0.8003	0.1832	3.6263		36.30	36.30	18.70	18.70	7.10	7.20	1.95			96.15	91.33	5.45	96.11	97.46
96.0	23-Feb-99	1150	121	North Card Sound	25.35500	-80.29167	1999.14	BB	SCARD	0.14	02	1999	1999-02	0.0008	0.0002	0.0006	0.0048	0.1730	0.0056	0.1673	0.0032	0.0001	0.9416	0.1587	4.2123		35.50	35.50	19.40	19.30	6.90	7.10	0.50			121.12	161.00	3.95	93.89	96.47
96.0	23-Feb-99	1242	122	West Arsenicker	25.42017	-80.31083	1999.14	BB	IS	0.14	02	1999	1999-02	0.0037	0.0026	0.0011	0.0084	0.3468	0.0121	0.3347	0.0031	0.0003	1.5379	0.1268	4.6488		33.30	33.40	18.70	18.70	7.30	7.50	0.60			247.31	86.50	8.64	96.84	99.56
96.0	23-Feb-99	1315	123	Pelican Bank	25.44500	-80.28333	1999.14	BB	MAIN	0.14	02	1999	1999-02	0.0042	0.0032	0.0011	0.0071	0.2788	0.0114	0.2674	0.0025	0.0002	0.7533	0.1146	2.5718		35.20	35.20	18.70	18.70	7.00	7.10	0.85			249.69	108.33	10.19	94.06	95.40
96.0	23-Feb-99	1058	124	Midbay South	25.47250	-80.23333	1999.14	BB	MAIN	0.14	02	1999	1999-02	0.0043	0.0037	0.0006	0.0079	0.2273	0.0121	0.2151	0.0021	0.0005	0.7846	0.1343	2.1408		36.80	36.80	18.80	18.90	7.10	7.20	1.25			237.94	57.83	12.72	96.58	98.09
96.0	22-Feb-99	1228	126	BNP Marker B	25.67167	-80.20500	1999.14	BB	MAIN	0.14	02	1999	1999-02	0.0047	0.0042	0.0005	0.0064	0.2429	0.0111	0.2318	0.0041	0.0001	0.8943	0.4180	2.4400		33.80	33.70	20.50	20.50	7.30	7.30	7.05			132.43	318.00	6.07	99.80	99.74
96.0	22-Feb-99	1658	127	Shoal Point	25.63000	-80.25000	1999.14	BB	IS	0.14	02	1999	1999-02	0.0047	0.0040	0.0007	0.0081	0.1988	0.0128	0.1860	0.0023	0.0005	0.6558	0.1747	2.4515		34.20	34.20	20.60	20.80	7.90	7.80	0.40			191.23	52.29	12.32	108.45	107.37
96.0	22-Feb-99	1645	128	Matheson Beach	25.68833	-80.23333	1999.14	BB	IS	0.14	02	1999	1999-02	0.0036	0.0029	0.0007	0.0078	0.2049	0.0114	0.1935	0.0033	0.0001	0.8049	0.2621	2.9585		31.60	31.60	20.40	20.40	7.60	7.60	0.75			137.49	326.00	7.66	102.25	102.25
96.0	22-Feb-99	1258	129	Marker G-71	25.73667	-80.18500	1999.14	BB	MAIN	0.14	02	1999	1999-02	0.0100	0.0088	0.0012	0.0088	0.1681	0.0188	0.1493	0.0048	0.0008	0.5590	0.6416	2.5520		33.70	33.80	21.50	21.50	7.30	7.20	2.80			77.22	53.70	8.63	101.12	99.80
96.0	22-Feb-99	1317	130	South Dodge Island	25.76333	-80.17167	1999.14	BB	NBAY	0.14	02	1999	1999-02	0.0060	0.0053	0.0007	0.0052	0.1351	0.0111	0.1239	0.0055	0.0010	0.2907	0.4396	2.5585		35.30	35.30	22.30	22.40	6.70	6.80	4.20			54.14	24.46	4.46	94.77	96.31
96.0	22-Feb-99	1354	131	North Venetian Basin	25.80000	-80.16667	1999.14	BB	NBAY	0.14	02	1999	1999-02	0.0080	0.0072	0.0008	0.0061	0.1605	0.0141	0.1465	0.0068	0.0004	0.3801	0.7383	2.0765		34.50	34.40	22.00	22.00	6.90	6.90	3.75			52.08	80.40	4.57	96.72	96.66
96.0	22-Feb-99	1421	132	North I-195 Basin	25.81667	-80.16667	1999.14	BB	NBAY	0.14	02	1999	1999-02	0.0100	0.0096	0.0005	0.0092	0.2048	0.0193	0.1855	0.0062	0.0002	0.6111	0.5326	3.3935		32.80	32.90	20.10	20.10	7.80	7.70	1.75			73.61	275.00	6.92	105.33	104.05
96.0	22-Feb-99	1515	133	North Normandy Isle	25.86667	-80.15000	1999.14	BB	NBAY	0.14	02	1999	1999-02	0.0058	0.0052	0.0007	0.0063	0.1749	0.0122	0.1627	0.0086	0.0005	0.9018	1.0022	2.0975		34.90	35.00	20.90	20.90	7.10	7.00	4.55			45.23	58.00	3.15	98.33	97.01
96.0	22-Feb-99	1537	134	Oleta River Park	25.90500	-80.13333	1999.14	BB	NBAY	0.14	02	1999	1999-02	0.0028	0.0023	0.0005	0.0062	0.1305	0.0090	0.1215	0.0092	0.0005	0.5515	0.9863	2.6730		35.50	35.50	22.10	22.10	6.50	6.80	2.00			31.30	42.83	2.16	91.83	96.07
96.0	23-Feb-99	1203	135	South Card Sound	25.31667	-80.31667	1999.14	BB	SCARD	0.14	02	1999	1999-02	0.0009	0.0001	0.0007	0.0070	0.2109	0.0079	0.2031	0.0041	0.0008	0.8003	0.1738	3.3798		34.80	35.10	20.00	19.80	6.80	7.40	0.15			113.43	22.50	4.23	92.92	101.03
97.0	12-Mar-99	1345	101	Convoy Point	25.47833	-80.32083	1999.19	BB	AS	0.19	03	1999	1999-03	0.0095	0.0082	0.0013	0.0126	0.2984	0.0221	0.2763	0.0034	0.0003	0.1622	0.1550	3.6425		32.20	32.20	22.90	22.90	8.70	8.80	0.34			193.76	18.00	14.32	121.50	122.90
97.0	11-Mar-99	1437	102	Black Point	25.54583	-80.29467	1999.19	BB	AS	0.19	03	1999	1999-03	0.0083	0.0078	0.0004	0.0053	0.3855	0.0135	0.3720	0.0033	0.0004	0.2180	0.1606	4.4713		30.80	30.70	22.40	22.40	11.60	11.70	0.32			254.95	8.39	8.94	159.52	160.79
97.0	11-Mar-99	1430	103	Near Black Ledge	25.57333	-80.28667	1999.19	BB	IS	0.19	03	1999	1999-03	0.0058	0.0050	0.0008	0.0044	0.2589	0.0102	0.2488	0.0025	0.0016	0.1808	0.1334	3.2733		34.10	34.10	22.20	22.20	9.70	10.00	0.39			232.38	13.81	9.11	135.96	140.17
97.0	11-Mar-99	1017	104	BNP Marker C	25.60167	-80.22083	1999.19	BB	MAIN	0.19	03	1999	1999-03	0.0024	0.0015	0.0009	0.0037	0.1569	0.0061	0.1508	0.0036	0.0018	0.0786	0.1165	2.0495		35.90	35.80	20.90	20.90	7.80	7.80	1.18			96.18	7.57	3.73	108.74	108.67
97.0	11-Mar-99	949	108	Marker G-1B	25.56917	-80.19250	1999.19	BB	MAIN	0.19	03	1999	1999-03	0.0024	0.0015	0.0008	0.0044	0.1594	0.0068	0.1526	0.0036	0.0011	0.0704	0.0958	2.0750		35.90	35.90	20.60	20.60	7.70	7.60	0.89			97.14	13.93	4.16	106.90	105.51
97.0	11-Mar-99	942	109	Midbay North	25.56417	-80.23500	1999.19	BB	MAIN	0.19	03	1999	1999-03	0.0016	0.0000	0.0016	0.0062	0.1495	0.0077	0.1418	0.0029	0.0016	0.0970	0.1259	1.9963		36.50	36.50	21.00	21.00	7.80	7.70	0.62			113.47	10.52	5.87	109.32	107.92
97.0	12-Mar-99	1327	110	Fender Point	25.50500	-80.28750	1999.19	BB	IS	0.19	03	1999	1999-03	0.0075	0.0052	0.0023	0.0095	0.2222	0.0170	0.2052	0.0031	0.0007	0.0871	0.0986	2.5988		35.00	35.00	22.40	22.40	8.10	8.10	0.44			160.82	54.11	12.34	114.50	114.50
97.0	11-Mar-99	920	111	Featherbed Bank	25.51583	-80.24000	1999.19	BB	MAIN	0.19	03	1999	1999-03	0.0039	0.0026	0.0013	0.0046	0.1233	0.0085	0.1148	0.0036	0.0005	0.0830	0.0836	1.9498		36.40	36.30	20.80	20.90	7.50	7.50	0.65			75.32	40.67	5.22	104.76	104.83
97.0	12-Mar-99	1243	112	Sands Cut	25.48833	-80.18833	1999.19	BB	MAIN	0.19	03	1999	1999-03	0.0016	0.0000	0.0016	0.0071	0.1267	0.0087	0.1180	0.0041	0.0002	0.0565	0.0949	1.9403		36.70	36.80	22.80	22.80	8.00	8.20	0.92			67.79	124.50	4.66	114.92	117.87
97.0	12-Mar-99	1127	113	Elliott Key	25.44167	-80.22333	1999.19	BB	MAIN	0.19	03	1999	1999-03	0.0067	0.0037	0.0030	0.0135	0.1498	0.0201	0.1297	0.0030	0.0005	0.0721	0.1146	1.9345		37.20	37.20	22.00	21.70	6.50	6.70	0.82			109.05	95.83	14.65	92.74	95.23
97.0	12-Mar-99	955	116	Rubicon Keys	25.40000	-80.25500	1999.19	BB	MAIN	0.19	03	1999	1999-03	0.0063	0.0050	0.0013	0.0057	0.1649	0.0120	0.1529	0.0033	0.0001	0.0761	0.1137	2.2485		35.40	35.50	21.30	21.40	6.10	6.40	0.63			109.91	343.00	8.00	85.22	89.59
97.0	12-Mar-99	1015	121	North Card Sound	25.35500	-80.29167	1999.19	BB	SCARD	0.19	03	1999	1999-03	0.0039	0.0030	0.0009	0.0033	0.1847	0.0071	0.1776	0.0032	0.0008	0.0965	0.0986	2.8695		36.10	36.40	21.60	21.60	5.90	6.40	0.90			126.56	20.40	4.89	83.14	90.37
97.0	12-Mar-99	939	122	West Arsenicker	25.42017	-80.31083	1999.19	BB	IS	0.19	03	1999	1999-03	0.0071	0.0058	0.0013	0.0087	0.2168	0.0158	0.2011	0.0029	0.0019	0.1437	0.1390	2.9293		35.40	35.50	21.30	21.40	6.10	6.40	0.63			167.99	18.75	12.20	85.22	89.59
97.0	12-Mar-99	919	123	Pelican Bank	25.44500	-80.28333	1999.19	BB	MAIN	0.19	03	1999	1999-03	0.0082	0.0066	0.0016	0.0077	0.1638	0.0159	0.1479	0.0036	0.0012	0.1090	0.1456	2.6703		36.60	37.30	21.20	21.30	5.90	6.60	0.66			100.19	30.27	9.72	82.97	93.37
97.0	12-Mar-99	1308	124	Midbay South	25.47250	-80.23333	1999.19	BB	MAIN	0.19	03	1999	1999-03	0.0032	0.0019	0.0013	0.0075	0.1289	0.0106	0.1183	0.0034	0.0000	0.0894	0.0836	2.3980		36.90	36.90	22.00	21.90	7.80	7.90	0.36			84.96		6.99	111.07	112.35
97.0	11-Mar-99	1036	126	BNP Marker B	25.67167	-80.20500	1999.19	BB	MAIN	0.19	03	1999	1999-03	0.0008	0.0001	0.0007	0.0041	0.2185	0.0049	0.2136	0.0038	0.0000	0.0951	0.1747	2.9673		35.00	35.00	21.20	21.10	6.40	6.50	1.35			127.86		2.87	89.06	90.33
97.0	11-Mar-99	1411	127	Shoal Point	25.63000	-80.25000	1999.19	BB	IS	0.19	03	1999	1999-03	0.0036	0.0017	0.0019	0.0090	0.1614	0.0125	0.1489	0.0031	0.0000	0.0766	0.1371	2.8220		35.10	35.00	21.60	21.60	11.50	11.80	0.40			115.57		8.97	160.99	165.08
97.0	11-Mar-99	1353	128	Matheson Beach	25.68833	-80.23333	1999.19	BB	IS	0.19	03	1999	1999-03	0.0063	0.0058	0.0006	0.0040	0.2006	0.0104	0.1902	0.0039	0.0019	0.0918	0.2555	3.0675		33.40	33.60	21.80	21.40	10.30	11.20	0.73			114.06	11.84	5.89	142.96	154.83
97.0	11-Mar-99	1057	129	Marker G-71	25.73667	-80.18500	1999.19	BB	MAIN	0.19	03	1999	1999-03	0.0060	0.0055	0.0006	0.0077	0.1921	0.0137	0.1784	0.0043	0.0025	0.0832	0.2752	3.1350		33.50	34.90	21.40	21.70	6.80	7.10	1.61			99.20	12.22	7.07	93.94	99.39
97.0	11-Mar-99	1115	130	South Dodge Island	25.76333	-80.17167	1999.19	BB	NBAY	0.19	03	1999	1999-03	0.0366	0.0338	0.0028	0.0651	0.3334	0.1017	0.2316	0.0056	0.0032	0.0539	0.3682	5.7330		33.00	33.90	21.70	21.60	7.40	8.10	1.60			130.85	70.90	39.93	102.31	112.50
97.0	11-Mar-99	1142	131	North Venetian Basin	25.80000	-80.16667	1999.19	BB	NBAY	0.19	03	1999	1999-03	0.0068	0.0056	0.0011	0.0089	0.1630	0.0157	0.1474	0.0053	0.0012	0.0780	0.4640	3.2513		33.20	33.40	21.70	21.50	5.50	6.80	1.11			68.32	29.87	6.57	76.14	94.01
97.0	11-Mar-99	1155	132	North I-195 Basin	25.81667	-80.16667	1999.19	BB	NBAY	0.19	03	1999	1999-03	0.0092	0.0086	0.0006	0.0063	0.1787	0.0154	0.1632	0.0055	0.0015	0.0851	0.5317	3.6705		33.00	32.90	21.60	21.40	7.80	8.50	1.13			72.36	23.21	6.25	107.69	116.97
97.0	11-Mar-99	1234	133	North Normandy Isle	25.86667	-80.15000	1999.19	BB	NBAY	0.19	03	1999	1999-03	0.0055	0.0048	0.0008	0.0075	0.1616	0.0131	0.1485	0.0061	0.0013	0.1312	0.7035	3.0530		34.90	34.90	21.90	21.90	7.30	7.70	1.76			58.93	21.94	4.76	102.46	108.08
97.0	11-Mar-99	1258	134	Oleta River Park	25.90500	-80.13333	1999.19	BB	NBAY	0.19	03	1999	1999-03	0.0033	0.0020	0.0013	0.0065	0.1009	0.0098	0.0910	0.0054	0.0010	0.0514	0.7439	2.1688		36.10	36.10	22.70	22.60	7.80	8.00	0.98			41.38	21.62	4.03	111.47	114.19
97.0	12-Mar-99	1055	135	South Card Sound	25.31667	-80.31667	1999.19	BB	SCARD	0.19	03	1999	1999-03	0.0042	0.0029	0.0014	0.0045	0.2103	0.0088	0.2016	0.0024	0.0014	0.0920	0.1249	3.8535		34.90	35.20	21.80	21.80	7.00	7.00	0.51			198.10	13.89	8.24	98.12	98.32
98.0	23-Apr-99	1201	101	Convoy Point	25.47833	-80.32083	1999.31	BB	AS	0.31	04	1999	1999-04	0.0036	0.0022	0.0014	0.0090	0.5309	0.0126	0.5183	0.0104	0.0022	0.6730	0.1952	6.9448		40.70	40.70	26.90	26.90	7.00	7.10	0.08			113.20	12.89	2.69	107.78	109.32
98.0	22-Apr-99	1510	102	Black Point	25.54583	-80.29467	1999.30	BB	AS	0.30	04	1999	1999-04	0.0076	0.0061	0.0015	0.0121	0.5154	0.0197	0.4958	0.0106	0.0034	0.6517	0.1889	7.1213		38.90	38.90	25.90	25.90	9.70	9.70	0.34			107.49	12.77	4.10	146.26	146.26
98.0	22-Apr-99	1450	103	Near Black Ledge	25.57333	-80.28667	1999.30	BB	IS	0.30	04	1999	1999-04	0.0076	0.0048	0.0028	0.0133	0.4624	0.0209	0.4415	0.0092	0.0035	0.3839	0.0955	5.8423		39.30	39.30	25.90	25.90	8.80	8.80	0.21			111.03	13.27	5.02	133.03	133.03
98.0	22-Apr-99	1041	104	BNP Marker C	25.60167	-80.22083	1999.30	BB	MAIN	0.30	04	1999	1999-04	0.0049	0.0032	0.0018	0.0099	0.1566	0.0148	0.1418	0.0093	0.0022	0.1727	0.1199	2.7820		37.90	37.90	24.10	24.10	6.40	6.60	0.39			37.30	15.14	3.53	94.08	97.02
98.0	22-Apr-99	1028	108	Marker G-1B	25.56917	-80.19250	1999.30	BB	MAIN	0.30	04	1999	1999-04	0.0045	0.0031	0.0014	0.0050	0.1929	0.0096	0.1834	0.0095	0.0016	0.1241	0.0987	2.8568		37.70	37.70	23.80	23.70	6.70	6.80	0.42			44.81	13.00	2.22	98.03	99.38
98.0	22-Apr-99	1014	109	Midbay North	25.56417	-80.23500	1999.30	BB	MAIN	0.30	04	1999	1999-04	0.0035	0.0019	0.0016	0.0070	0.1834	0.0105	0.1728	0.0094	0.0022	0.1904	0.1199	2.8490		38.20	38.20	24.00	24.00	6.60	6.70	0.44			43.30	10.75	2.49	97.10	98.57
98.0	22-Apr-99	1151	110	Fender Point	25.50500	-80.28750	1999.30	BB	IS	0.30	04	1999	1999-04	0.0046	0.0019	0.0027	0.0086	0.2351	0.0132	0.2219	0.0092	0.0008	0.1670	0.1188	3.4460		40.20	40.20	26.10	26.10	6.40	6.50	0.30			56.45	37.70	3.17	97.50	99.02
98.0	22-Apr-99	1000	111	Featherbed Bank	25.51583	-80.24000	1999.30	BB	MAIN	0.30	04	1999	1999-04	0.0013	0.0005	0.0008	0.0084	0.1696	0.0097	0.1598	0.0095	0.0009	0.2057	0.1146	3.1115		38.80	38.90	23.90	23.90	6.60	6.60	0.37			39.39	23.17	2.26	97.37	97.43
98.0	23-Apr-99	1121	112	Sands Cut	25.48833	-80.18833	1999.31	BB	MAIN	0.31	04	1999	1999-04	0.0034	0.0017	0.0017	0.0077	0.1732	0.0111	0.1621	0.0101	0.0012	0.1866	0.1210	2.9950		37.70	37.80	25.90	25.80	6.60	6.80	0.54			38.07	19.88	2.45	98.76	101.71
98.0	23-Apr-99	1028	113	Elliott Key	25.44167	-80.22333	1999.31	BB	MAIN	0.31	04	1999	1999-04	0.0034	0.0025	0.0010	0.0094	0.1925	0.0128	0.1796	0.0093	0.0014	0.1441	0.1443	3.1558		39.30	39.30	25.20	25.20	6.20	6.30	0.31			45.83	20.39	3.06	93.07	94.57
98.0	23-Apr-99	1013	116	Rubicon Keys	25.40000	-80.25500	1999.31	BB	MAIN	0.31	04	1999	1999-04	0.0042	0.0035	0.0007	0.0048	0.1536	0.0090	0.1446	0.0097	0.0012	0.1630	0.1433	3.1835		39.20	39.30	23.10	25.10	5.40	5.60	0.30			35.10	16.06	2.06	79.13	83.97
98.0	23-Apr-99	937	121	North Card Sound	25.35500	-80.29167	1999.31	BB	SCARD	0.31	04	1999	1999-04	0.0060	0.0042	0.0018	0.0067	0.2656	0.0127	0.2529	0.0096	0.0019	0.1996	0.1570	3.5265		39.00	39.00	25.20	25.20	6.20	6.40	0.38			61.20	15.08	2.92	92.89	95.88
98.0	23-Apr-99	918	122	West Arsenicker	25.42017	-80.31083	1999.31	BB	IS	0.31	04	1999	1999-04	0.0064	0.0035	0.0029	0.0072	0.3078	0.0136	0.2942	0.0095	0.0015	0.3062	0.1804	3.6103		39.80	39.70	25.50	25.50	6.00	6.00	0.20			71.49	20.42	3.15	90.63	90.57
98.0	23-Apr-99	907	123	Pelican Bank	25.44500	-80.28333	1999.31	BB	MAIN	0.31	04	1999	1999-04	0.0066	0.0040	0.0026	0.0125	0.2435	0.0191	0.2244	0.0113	0.0016	0.1560	0.1295	3.2515		40.30	40.30	25.20	25.20	5.80	5.80	0.54			47.65	26.00	3.74	87.63	87.63
98.0	23-Apr-99	1135	124	Midbay South	25.47250	-80.23333	1999.31	BB	MAIN	0.31	04	1999	1999-04	0.0038	0.0021	0.0017	0.0102	0.2647	0.0140	0.2507	0.0119	0.0012	0.1503	0.1093	3.3238		39.30	39.30	25.40	25.40	6.40	6.70	0.42			49.43	25.00	2.61	96.27	100.78
98.0	22-Apr-99	1102	126	BNP Marker B	25.67167	-80.20500	1999.30	BB	MAIN	0.30	04	1999	1999-04	0.0045	0.0029	0.0016	0.0058	0.1841	0.0103	0.1738	0.0118	0.0025	0.1239	0.1326	2.8173		38.30	38.30	24.30	24.20	6.60	6.70	0.61			34.61	9.19	1.93	97.49	98.86
98.0	22-Apr-99	1935	127	Shoal Point	25.63000	-80.25000	1999.30	BB	IS	0.30	04	1999	1999-04	0.0022	0.0014	0.0008	0.0040	0.1852	0.0062	0.1790	0.0116	0.0019	0.1640	0.1082	3.1730		39.30	39.30	24.90	24.90	7.50	7.90	0.00			35.28	7.12	1.19	112.23	118.21
98.0	22-Apr-99	1415	128	Matheson Beach	25.68833	-80.23333	1999.30	BB	IS	0.30	04	1999	1999-04	0.0026	0.0018	0.0008	0.0061	0.2305	0.0087	0.2219	0.0118	0.0004	0.1337	0.1974	3.8428		37.20	37.20	24.80	24.80	6.80	7.20	0.12			43.33	49.60	1.63	100.28	106.18
98.0	22-Apr-99	1122	129	Marker G-71	25.73667	-80.18500	1999.30	BB	MAIN	0.30	04	1999	1999-04	0.0040	0.0031	0.0009	0.0060	0.1724	0.0100	0.1624	0.0132	0.0013	0.2112	0.4987	3.1700		37.10	37.10	24.40	24.30	6.20	6.40	1.87			28.98	16.76	1.68	90.97	93.81
98.0	22-Apr-99	1138	130	South Dodge Island	25.76333	-80.17167	1999.30	BB	NBAY	0.30	04	1999	1999-04	0.0044	0.0036	0.0008	0.0053	0.1653	0.0097	0.1556	0.0145	0.0011	0.1863	0.6112	3.0920		36.90	36.90	24.90	24.80	6.20	6.30	2.91			25.26	19.71	1.48	91.35	92.73
98.0	22-Apr-99	1204	131	North Venetian Basin	25.80000	-80.16667	1999.30	BB	NBAY	0.30	04	1999	1999-04	0.0037	0.0031	0.0006	0.0076	0.1913	0.0112	0.1801	0.0150	0.0014	0.2418	0.7343	3.4485		36.10	36.10	25.10	25.00	6.50	6.60	2.79			28.33	17.83	1.66	95.48	96.85
98.0	22-Apr-99	1216	132	North I-195 Basin	25.81667	-80.16667	1999.30	BB	NBAY	0.30	04	1999	1999-04	0.0030	0.0026	0.0005	0.0079	0.2238	0.0109	0.2129	0.0157	0.0012	0.1532	0.5964	3.7553		36.10	36.10	24.60	24.40	6.40	6.70	0.41			31.65	19.44	1.54	93.51	97.68
98.0	22-Apr-99	1251	133	North Normandy Isle	25.86667	-80.15000	1999.30	BB	NBAY	0.30	04	1999	1999-04	0.0037	0.0033	0.0004	0.0072	0.1949	0.0109	0.1840	0.0193	0.0028	0.2513	1.4060	3.6140		36.30	36.30	25.10	25.10	6.00	6.20	3.81			22.37	8.67	1.25	88.25	91.19
98.0	22-Apr-99	1307	134	Oleta River Park	25.90500	-80.13333	1999.30	BB	NBAY	0.30	04	1999	1999-04	0.0007	0.0000	0.0007	0.0082	0.1310	0.0089	0.1221	0.0142	0.0051	0.0748	0.4499	2.9910		36.70	36.70	25.40	25.40	6.10	6.30	0.89			20.45	3.85	1.39	90.23	93.19
98.0	23-Apr-99	952	135	South Card Sound	25.31667	-80.31667	1999.31	BB	SCARD	0.31	04	1999	1999-04	0.0046	0.0029	0.0017	0.0075	0.1970	0.0120	0.1849	0.0115	0.0009	0.2140	0.1793	3.7175		38.10	38.20	25.40	25.40	6.10	6.40	0.13			37.77	2.97	2.31	91.05	95.59
99.0	10-May-99	1500	101	Convoy Point	25.47833	-80.32083	1999.35	BB	AS	0.35	05	1999	1999-05	0.0048	0.0036	0.0012	0.0220	0.2502	0.0268	0.2233	0.0045	0.0011	0.2954	0.2006	3.3580	0.0577	40.80	40.90	29.00	29.10	6.50	7.30	0.27			121.77	54.79	13.07	101.91	114.61
99.0	11-May-99	1500	102	Black Point	25.54583	-80.29467	1999.35	BB	AS	0.35	05	1999	1999-05	0.0056	0.0042	0.0014	0.0115	0.4690	0.0171	0.4518	0.0048	0.0008	0.6565	0.3831	6.3993	0.6074	42.30	42.20	28.50	28.60	8.00	8.10	0.36			214.38	48.90	7.82	126.13	127.72
99.0	11-May-99	1445	103	Near Black Ledge	25.57333	-80.28667	1999.35	BB	IS	0.35	05	1999	1999-05	0.0023	0.0007	0.0016	0.0172	0.3696	0.0195	0.3501	0.0049	0.0010	0.6025	0.2908	5.4675	0.3429	42.20	42.20	28.60	28.60	8.00	8.10	0.10			165.52	42.92	8.75	126.15	127.72
99.0	11-May-99	1020	104	BNP Marker C	25.60167	-80.22083	1999.35	BB	MAIN	0.35	05	1999	1999-05	0.0015	0.0000	0.0015	0.0156	0.1728	0.0170	0.1558	0.0064	0.0003	0.1459	0.1655	2.5308	0.0348	38.20	38.30	27.40	27.40	5.80	7.50	0.29			60.16	121.75	5.93	88.29	114.24
99.0	11-May-99	1005	108	Marker G-1B	25.56917	-80.19250	1999.35	BB	MAIN	0.35	05	1999	1999-05	0.0017	0.0006	0.0011	0.0089	0.1505	0.0106	0.1400	0.0038	0.0005	0.0964	0.1422	2.2110	0.0713	38.00	38.00	27.60	27.70	5.70	6.20	0.51			88.32	43.14	6.20	86.81	94.51
99.0	11-May-99	950	109	Midbay North	25.56417	-80.23500	1999.35	BB	MAIN	0.35	05	1999	1999-05	0.0020	0.0009	0.0011	0.0112	0.1470	0.0131	0.1339	0.0061	0.0001	0.1158	0.1454	2.4198	0.0226	38.40	38.40	27.50	27.50	5.90	7.00	0.32			53.37	375.00	4.77	90.01	106.79
99.0	10-May-99	1440	110	Fender Point	25.50500	-80.28750	1999.35	BB	IS	0.35	05	1999	1999-05	0.0031	0.0026	0.0005	0.0151	0.2148	0.0182	0.1966	0.0081	0.0000	0.1652	0.1433	3.5030	0.0257	41.10	41.10	28.50	28.60	6.40	7.60	0.46			59.00		5.00	100.14	119.01
99.0	11-May-99	940	111	Featherbed Bank	25.51583	-80.24000	1999.35	BB	MAIN	0.35	05	1999	1999-05	0.0033	0.0024	0.0009	0.0152	0.1743	0.0185	0.1559	0.0062	0.0009	0.1738	0.1761	3.1978	0.0598	38.40	38.40	27.50	27.50	6.40	7.20	0.37			61.88	48.00	6.56	97.63	109.84
99.0	10-May-99	1405	112	Sands Cut	25.48833	-80.18833	1999.35	BB	MAIN	0.35	05	1999	1999-05	0.0022	0.0016	0.0006	0.0107	0.1592	0.0129	0.1464	0.0059	0.0009	0.1749	0.1698	3.1633	0.0316	38.90	38.40	29.00	29.00	8.00	8.80	0.50			59.32	30.67	4.80	123.94	135.90
99.0	10-May-99	1350	113	Elliott Key	25.44167	-80.22333	1999.35	BB	MAIN	0.35	05	1999	1999-05	0.0058	0.0047	0.0012	0.0242	0.1941	0.0301	0.1641	0.0065	0.0022	0.1530	0.1846	3.2348	0.0328	40.40	40.00	28.20	28.20	6.60	7.40	0.46			66.18	30.68	10.25	102.57	114.71
99.0	10-May-99	1339	116	Rubicon Keys	25.40000	-80.25500	1999.35	BB	MAIN	0.35	05	1999	1999-05	0.0050	0.0039	0.0011	0.0123	0.1627	0.0172	0.1455	0.0098	0.0003	0.1527	0.1751	3.1383	0.0473	38.70	38.80	28.40	28.50	7.30	8.60	0.08			36.60	123.00	3.87	112.42	132.63
99.0	10-May-99	1300	121	North Card Sound	25.35500	-80.29167	1999.35	BB	SCARD	0.35	05	1999	1999-05	0.0046	0.0039	0.0007	0.0250	0.1675	0.0296	0.1380	0.0072	0.0009	0.2670	0.2950	3.3405	0.0331	38.70	38.20	28.30	28.30	6.60	7.20	0.08			51.42	76.82	9.08	101.56	110.44
99.0	10-May-99	1240	122	West Arsenicker	25.42017	-80.31083	1999.35	BB	IS	0.35	05	1999	1999-05	0.0021	0.0013	0.0008	0.0109	0.2427	0.0130	0.2297	0.0100	0.0000	0.4574	0.2324	4.4550	0.0949	40.40	40.40	28.40	28.40	6.50	7.10	0.26			53.55		2.86	101.18	110.52
99.0	10-May-99	1225	123	Pelican Bank	25.44500	-80.28333	1999.35	BB	MAIN	0.35	05	1999	1999-05	0.0069	0.0058	0.0011	0.0117	0.1923	0.0186	0.1737	0.0077	0.0003	0.2527	0.2377	3.0865	0.0224	39.60	39.50	28.00	28.00	7.10	8.50	0.68			55.25	133.00	5.35	109.60	131.13
99.0	10-May-99	1425	124	Midbay South	25.47250	-80.23333	1999.35	BB	MAIN	0.35	05	1999	1999-05	0.0028	0.0020	0.0008	0.0192	0.1714	0.0220	0.1493	0.0101	0.0001	0.1810	0.1878	3.0723	0.0163	39.20	39.20	28.10	28.10	7.70	8.20	0.23			37.46	629.00	4.81	118.66	126.37
99.0	11-May-99	1050	126	BNP Marker B	25.67167	-80.20500	1999.35	BB	MAIN	0.35	05	1999	1999-05	0.0013	0.0000	0.0013	0.0139	0.1438	0.0152	0.1287	0.0089	0.0005	0.1436	0.1751	2.6033	0.0977	38.50	38.50	27.70	27.70	6.00	8.50	0.91			35.80	72.33	3.78	91.75	129.98
99.0	11-May-99	1430	127	Shoal Point	25.63000	-80.25000	1999.35	BB	IS	0.35	05	1999	1999-05	0.0014	0.0000	0.0014	0.0136	0.1920	0.0150	0.1770	0.0054	0.0001	0.1764	0.2334	3.1015	0.0785	40.10	40.00	28.10	28.10	7.50	7.40	0.14			78.92	428.00	6.16	116.24	114.62
99.0	11-May-99	1415	128	Matheson Beach	25.68833	-80.23333	1999.35	BB	IS	0.35	05	1999	1999-05	0.0011	0.0000	0.0011	0.0145	0.2193	0.0156	0.2037	0.0069	0.0005	0.1318	0.2801	3.5978	0.1588	39.50	39.50	28.30	28.30	7.50	7.40	0.03			70.32	63.71	5.01	115.99	114.44
99.0	11-May-99	1105	129	Marker G-71	25.73667	-80.18500	1999.35	BB	MAIN	0.35	05	1999	1999-05	0.0012	0.0000	0.0012	0.0172	0.1600	0.0184	0.1417	0.0055	0.0000	0.0893	0.3236	2.6528	0.1794	38.80	38.80	27.80	27.80	6.10	7.30	1.22			64.67		7.43	93.53	111.94
99.0	11-May-99	1120	130	South Dodge Island	25.76333	-80.17167	1999.35	BB	NBAY	0.35	05	1999	1999-05	0.0068	0.0044	0.0024	0.0206	0.2576	0.0274	0.2301	0.0077	0.0000	0.2331	0.8213	3.1585	0.2760	37.90	37.90	28.00	28.00	5.90	6.90	2.63			73.82		7.86	90.11	105.38
99.0	11-May-99	1235	131	North Venetian Basin	25.80000	-80.16667	1999.35	BB	NBAY	0.35	05	1999	1999-05	0.0028	0.0019	0.0010	0.0030	0.2483	0.0058	0.2424	0.0055	0.0006	0.7482	3.5230	3.7258	0.0908	37.00	37.00	28.30	28.30	5.40	5.50	2.86			99.90	20.88	2.35	82.21	83.73
99.0	11-May-99	1245	132	North I-195 Basin	25.81667	-80.16667	1999.35	BB	NBAY	0.35	05	1999	1999-05	0.0026	0.0016	0.0009	0.0037	0.2341	0.0063	0.2278	0.0060	0.0012	0.3241	1.5015	3.2440	0.4326	37.00	37.00	28.40	28.50	6.10	6.40	0.53			86.87	12.00	2.34	92.94	97.59
99.0	11-May-99	1300	133	North Normandy Isle	25.86667	-80.15000	1999.35	BB	NBAY	0.35	05	1999	1999-05	0.0028	0.0013	0.0015	0.0176	0.2646	0.0203	0.2442	0.0056	0.0011	0.0939	0.6048	3.0595	0.4320	37.00	37.00	28.60	28.60	5.40	5.50	1.34			103.84	41.50	7.98	82.41	83.93
99.0	11-May-99	1320	134	Oleta River Park	25.90500	-80.13333	1999.35	BB	NBAY	0.35	05	1999	1999-05	0.0013	0.0000	0.0013	0.0098	0.1769	0.0111	0.1658	0.0073	0.0016	0.2677	2.2814	2.4728	0.0870	36.70	36.80	28.40	27.80	6.10	5.90	2.56			53.77	15.85	3.37	92.76	89.33
99.0	10-May-99	1315	135	South Card Sound	25.31667	-80.31667	1999.35	BB	SCARD	0.35	05	1999	1999-05	0.0013	0.0000	0.0013	0.0142	0.2735	0.0155	0.2580	0.0066	0.0019	0.2842	1.2161	3.7415	0.0395	38.40	38.50	28.20	28.20	6.80	8.40	0.32			91.28	18.46	5.18	104.35	128.99
100.0	21-Jun-99	1520	101	Convoy Point	25.47833	-80.32083	1999.47	BB	AS	0.47	06	1999	1999-06	0.4504	0.4382	0.0121	0.0496	0.8078	0.5000	0.3078	0.0053	0.0014	0.2597	0.2373	5.3913		22.00	33.20	30.90	30.50	10.80	10.70	0.26			334.51	79.81	207.04	152.67	161.70
100.0	24-Jun-99	1330	102	Black Point	25.54583	-80.29467	1999.48	BB	AS	0.48	06	1999	1999-06	0.1035	0.0965	0.0069	0.0347	0.4887	0.1382	0.3505	0.0050	0.0008	0.3956	0.1280	5.5618		29.50	29.50	30.10	30.20	7.30	7.40	0.35			218.15	394.80	61.69	107.51	109.06
100.0	24-Jun-99	1315	103	Near Black Ledge	25.57333	-80.28667	1999.48	BB	IS	0.48	06	1999	1999-06	0.0215	0.0142	0.0072	0.0204	0.4778	0.0419	0.4359	0.0064	0.0011	0.7125	0.2348	6.7950		27.10	27.00	30.10	30.20	9.40	9.40	0.55			164.46	85.50	14.42	136.38	136.39
100.0	24-Jun-99	928	104	BNP Marker C	25.60167	-80.22083	1999.48	BB	MAIN	0.48	06	1999	1999-06	0.0078	0.0051	0.0027	0.0191	0.2138	0.0269	0.1870	0.0059	0.0012	0.1691	0.1920	3.3958		35.40	35.50	29.00	29.00	6.00	6.60	0.52			80.39	48.00	10.11	90.93	100.09
100.0	24-Jun-99	905	108	Marker G-1B	25.56917	-80.19250	1999.48	BB	MAIN	0.48	06	1999	1999-06	0.0031	0.0012	0.0019	0.0126	0.2408	0.0157	0.2251	0.0047	0.0004	0.1417	0.1373	3.2185		35.20	35.20	29.30	29.30	5.30	5.30	0.34			114.66	89.80	7.48	80.41	80.41

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
100.0	24-Jun-99	850	109	Midbay North	25.56417	-80.23500	1999.48	BB	MAIN	0.48	06	1999	1999-06	0.0083	0.0063	0.0021	0.0158	0.2099	0.0241	0.1858	0.0047	0.0004	0.1954	0.1621	3.3788		36.10	36.10	29.20	29.30	6.20	6.10	0.43			98.32	137.80	11.30	94.52	93.07
100.0	21-Jun-99	1441	110	Fender Point	25.50500	-80.28750	1999.47	BB	IS	0.47	06	1999	1999-06	0.0534	0.0498	0.0035	0.0241	0.3784	0.0775	0.3009	0.0049	0.0002	0.1896	0.1354	3.7493		35.20	35.10	29.50	29.50	9.90	10.60	0.31			171.61	738.00	35.14	150.42	160.96
100.0	21-Jun-99	1351	111	Featherbed Bank	25.51583	-80.24000	1999.47	BB	MAIN	0.47	06	1999	1999-06	0.0090	0.0064	0.0026	0.0116	0.2920	0.0206	0.2714	0.0059	0.0002	0.1396	0.1081	3.4663		37.30	37.50	29.30	29.20	9.30	9.40	0.53			109.78	196.00	7.74	142.96	144.57
100.0	21-Jun-99	1332	112	Sands Cut	25.48833	-80.18833	1999.47	BB	MAIN	0.47	06	1999	1999-06	0.0048	0.0025	0.0023	0.0152	0.2433	0.0200	0.2234	0.0052	0.0000	0.1443	0.1075	3.3630		35.70	35.90	30.40	30.10	10.20	10.60	0.60			103.76	#DIV/0!	8.51	156.46	162.46
100.0	21-Jun-99	1151	113	Elliott Key	25.44167	-80.22333	1999.47	BB	MAIN	0.47	06	1999	1999-06	0.0156	0.0125	0.0030	0.0225	0.2970	0.0380	0.2589	0.0047	0.0003	0.1441	0.1441	3.5830		36.00	37.10	29.10	28.80	7.00	7.00	0.23			139.11	271.75	17.82	106.57	107.06
100.0	21-Jun-99	1137	116	Rubicon Keys	25.40000	-80.25500	1999.47	BB	MAIN	0.47	06	1999	1999-06	0.0139	0.0120	0.0019	0.0163	0.2612	0.0303	0.2310	0.0052	0.0017	0.1761	0.1044	3.5460		35.50	35.40	29.00	29.10	7.00	7.20	0.20			111.41	39.32	12.91	106.15	109.20
100.0	21-Jun-99	1102	121	North Card Sound	25.35500	-80.29167	1999.47	BB	SCARD	0.47	06	1999	1999-06	0.0051	0.0039	0.0012	0.0129	0.2862	0.0180	0.2681	0.0046	0.0013	0.2007	0.0926	3.9038		35.80	35.70	29.20	29.20	6.50	6.90	0.15			138.58	30.29	8.73	98.91	104.93
100.0	21-Jun-99	1042	122	West Arsenicker	25.42017	-80.31083	1999.47	BB	IS	0.47	06	1999	1999-06	0.0123	0.0091	0.0032	0.0387	0.3763	0.0510	0.3253	0.0050	0.0012	0.3710	0.1621	4.8225		35.90	35.80	28.70	28.80	6.40	6.90	0.21			165.39	91.06	22.42	97.07	104.67
100.0	21-Jun-99	1017	123	Pelican Bank	25.44500	-80.28333	1999.47	BB	MAIN	0.47	06	1999	1999-06	0.0137	0.0109	0.0028	0.0245	0.3304	0.0382	0.2922	0.0052	0.0019	0.2693	0.0485	3.2693		36.40	36.30	28.80	28.80	7.10	7.10	0.31			140.91	45.50	16.30	108.11	108.04
100.0	21-Jun-99	1309	124	Midbay South	25.47250	-80.23333	1999.47	BB	MAIN	0.47	06	1999	1999-06	0.0057	0.0042	0.0015	0.0200	0.2778	0.0257	0.2521	0.0065	0.0013	0.1701	0.0895	3.2138		37.50	37.60	29.30	29.10	8.10	8.60	0.37			94.49	43.18	8.74	124.67	132.25
100.0	24-Jun-99	946	126	BNP Marker B	25.67167	-80.20500	1999.48	BB	MAIN	0.48	06	1999	1999-06	0.0196	0.0160	0.0036	0.0258	0.2801	0.0454	0.2346	0.0054	0.0009	0.1687	0.3324	3.6103		33.90	34.70	28.60	29.00	6.70	6.60	1.24			114.31	108.17	18.54	100.27	99.59
100.0	24-Jun-99	1259	127	Shoal Point	25.63000	-80.25000	1999.48	BB	IS	0.48	06	1999	1999-06	0.0226	0.0185	0.0041	0.0315	0.3664	0.0541	0.3124	0.0063	0.0002	0.2089	0.2311	4.1493		31.50	31.40	29.50	29.30	7.90	8.10	0.24			129.25	515.00	19.07	117.28	120.00
100.0	24-Jun-99	1229	128	Matheson Beach	25.68833	-80.23333	1999.48	BB	IS	0.48	06	1999	1999-06	0.0241	0.0200	0.0041	0.0211	0.4168	0.0452	0.3716	0.0064	0.0001	0.1350	0.2516	4.5218		30.50	33.00	29.90	29.50	6.70	7.70	0.47			143.47	1291.00	15.55	99.14	115.39
100.0	24-Jun-99	1005	129	Marker G-71	25.73667	-80.18500	1999.48	BB	MAIN	0.48	06	1999	1999-06	0.0428	0.0395	0.0033	0.0464	0.3376	0.0893	0.2483	0.0065	0.0009	0.0904	0.4889	4.2208		30.20	32.70	28.90	29.30	5.80	6.60	1.38			114.82	212.50	30.36	85.01	98.57
100.0	24-Jun-99	1016	130	South Dodge Island	25.76333	-80.17167	1999.48	BB	NBAY	0.48	06	1999	1999-06	0.0407	0.0363	0.0044	0.0409	0.2869	0.0816	0.2053	0.0067	0.0002	0.0921	0.4510	3.5288		31.30	33.20	29.00	28.80	6.20	7.00	1.34			94.23	777.33	26.80	91.58	104.47
100.0	24-Jun-99	1038	131	North Venetian Basin	25.80000	-80.16667	1999.48	BB	NBAY	0.48	06	1999	1999-06	0.0468	0.0431	0.0037	0.0243	0.3418	0.0711	0.2707	0.0105	0.0008	0.0958	0.3665	4.1185		28.60	31.80	29.30	29.10	6.20	6.40	1.35			72.34	203.00	15.04	90.25	94.90
100.0	24-Jun-99	1057	132	North I-195 Basin	25.81667	-80.16667	1999.48	BB	NBAY	0.48	06	1999	1999-06	0.0124	0.0105	0.0019	0.0131	0.3570	0.0255	0.3315	0.0103	0.0005	0.2128	0.1758	5.5245		25.30	27.10	29.30	29.50	6.50	6.80	0.23			76.69	104.00	5.47	92.68	98.21
100.0	24-Jun-99	1122	133	North Normandy Isle	25.86667	-80.15000	1999.48	BB	NBAY	0.48	06	1999	1999-06	0.0764	0.0669	0.0095	0.0514	0.4177	0.1278	0.2899	0.0124	0.0005	0.2522	0.7082	5.4738		23.70	31.60	29.40	29.90	6.90	5.90	0.55			74.60	521.71	22.83	97.48	87.91
100.0	24-Jun-99	1136	134	Oleta River Park	25.90500	-80.13333	1999.48	BB	NBAY	0.48	06	1999	1999-06	0.0399	0.0335	0.0064	0.0326	0.5121	0.0725	0.4396	0.0123	0.0005	0.2579	0.8094	4.3380		28.90	34.60	29.50	29.00	7.40	7.50	0.80			92.02	295.86	13.03	108.09	113.10
100.0	21-Jun-99	1116	135	South Card Sound	25.31667	-80.31667	1999.47	BB	SCARD	0.47	06	1999	1999-06	0.0153	0.0125	0.0029	0.0308	0.4133	0.0462	0.3672	0.0086	0.0003	0.1270	0.1193	4.8038		35.90	36.70	29.20	29.00	6.50	7.10	0.05			106.39	329.75	11.88	98.97	108.49
101.0	21-Jul-99	350	101	Convoy Point	25.47833	-80.32083	1999.55	BB	AS	0.55	07	1999	1999-07	0.0009	0.0000	0.0009	0.0082	0.5913	0.0091	0.5822	0.0093	0.0012	0.5586	0.3353	6.4580	0.1016	33.30	33.30	31.50	31.50	7.50	7.50	0.66			140.64	16.19	2.16	114.15	114.15
101.0	21-Jul-99	1445	102	Black Point	25.54583	-80.29467	1999.55	BB	AS	0.55	07	1999	1999-07	0.0073	0.0057	0.0016	0.0090	0.5260	0.0162	0.5097	0.0083	0.0022	0.5254	0.1995	6.3763	0.2197	27.30	27.40	31.70	31.70	8.30	8.20	0.38			141.14	16.57	4.36	121.88	120.48
101.0	21-Jul-99	1435	103	Near Black Ledge	25.57333	-80.28667	1999.55	BB	IS	0.55	07	1999	1999-07	0.0062	0.0046	0.0016	0.0131	0.4185	0.0193	0.3992	0.0072	0.0022	0.2142	0.1751	4.7578	0.1336	31.30	31.30	31.50	31.50	6.70	6.50	0.54			129.48	19.71	5.98	100.72	97.71
101.0	21-Jul-99	1345	104	BNP Marker C	25.60167	-80.22083	1999.55	BB	MAIN	0.55	07	1999	1999-07	0.0035	0.0019	0.0016	0.0115	0.4049	0.0150	0.3899	0.0080	0.0026	0.1361	0.2080	4.8388	0.1606	29.60	29.60	30.70	30.70	6.10	6.00	0.38			112.06	12.62	4.16	90.27	88.79
101.0	21-Jul-99	1405	108	Marker G-1B	25.56917	-80.19250	1999.55	BB	MAIN	0.55	07	1999	1999-07	0.0008	0.0000	0.0008	0.0079	0.3004	0.0088	0.2917	0.0080	0.0015	0.1448	0.1910	3.3078	0.0816	35.90	35.90	30.90	30.90	6.90	6.00	0.78			83.61	13.16	2.44	106.32	92.45
101.0	21-Jul-99	1415	109	Midbay North	25.56417	-80.23500	1999.55	BB	MAIN	0.55	07	1999	1999-07	0.0008	0.0000	0.0008	0.0058	0.2473	0.0066	0.2407	0.0075	0.0005	0.1648	0.0955	3.1060	0.0453	36.60	36.60	30.60	30.50	6.70	6.50	0.51			72.81	26.86	1.94	103.49	100.33
101.0	20-Jul-99	1545	110	Fender Point	25.50500	-80.28750	1999.55	BB	IS	0.55	07	1999	1999-07	0.0106	0.0089	0.0016	0.0104	0.4409	0.0210	0.4199	0.0077	0.0014	0.3487	0.2494	5.5660	0.1412	30.10	32.50	30.70	30.70	5.80	6.10	0.70			126.40	33.33	6.02	86.10	91.91
101.0	20-Jul-99	1520	111	Featherbed Bank	25.51583	-80.24000	1999.55	BB	MAIN	0.55	07	1999	1999-07	0.0007	0.0000	0.0007	0.0077	0.2515	0.0085	0.2430	0.0069	0.0008	0.1282	0.1284	3.9030	0.0582	36.60	36.80	30.20	30.20	6.30	6.30	0.77			80.21	24.20	2.70	97.05	97.17
101.0	20-Jul-99	1500	112	Sands Cut	25.48833	-80.18833	1999.55	BB	MAIN	0.55	07	1999	1999-07	0.0007	0.0000	0.0007	0.0077	0.3203	0.0084	0.3119	0.0112	0.0014	0.1114	0.1369	3.3410	0.0098	36.10	36.00	30.50	30.60	7.10	7.10	0.93			63.31	13.33	1.66	109.25	109.26
101.0	20-Jul-99	1420	113	Elliott Key	25.44167	-80.22333	1999.55	BB	MAIN	0.55	07	1999	1999-07	0.0036	0.0022	0.0013	0.0218	0.3339	0.0254	0.3085	0.0091	0.0011	0.2225	0.2059	4.2605	0.0521	36.90	37.10	30.30	30.30	6.00	6.30	0.87			81.31	51.86	6.19	92.66	97.42
101.0	20-Jul-99	1358	116	Rubicon Keys	25.40000	-80.25500	1999.55	BB	MAIN	0.55	07	1999	1999-07	0.0009	0.0000	0.0009	0.0054	0.2730	0.0063	0.2667	0.0111	0.0005	0.1894	0.1252	3.8600	0.0750	36.50	36.60	30.70	30.70	5.50	5.80	0.72			54.66	30.00	1.26	84.96	89.64
101.0	20-Jul-99	1230	121	North Card Sound	25.35500	-80.29167	1999.55	BB	SCARD	0.55	07	1999	1999-07	0.0005	0.0000	0.0005	0.0063	0.3810	0.0068	0.3742	0.0112	0.0010	0.1858	0.1899	5.2615	0.0464	35.60	35.50	30.30	30.20	5.70	6.00	0.52			75.41	14.92	1.34	87.32	91.79
101.0	20-Jul-99	1201	122	West Arsenicker	25.42017	-80.31083	1999.55	BB	IS	0.55	07	1999	1999-07	0.0012	0.0000	0.0012	0.0155	0.4739	0.0167	0.4571	0.0114	0.0010	0.4300	0.2313	6.8808	0.0988	36.00	36.00	29.90	29.90	5.60	5.60	1.00			92.32	36.77	3.26	85.76	85.76
101.0	20-Jul-99	1145	123	Pelican Bank	25.44500	-80.28333	1999.55	BB	MAIN	0.55	07	1999	1999-07	0.0012	0.0000	0.0012	0.0141	0.2877	0.0153	0.2724	0.0106	0.0007	0.3115	0.1868	4.1268	0.0672	36.60	36.60	29.70	29.70	5.00	4.90	1.45			59.96	48.44	3.18	76.75	75.22
101.0	20-Jul-99	1430	124	Midbay South	25.47250	-80.23333	1999.55	BB	MAIN	0.55	07	1999	1999-07	0.0008	0.0000	0.0008	0.0261	0.3007	0.0270	0.2738	0.0111	0.0013	0.2802	0.2653	4.0518	0.0953	36.70	36.70	30.10	30.10	6.20	6.30	1.04			59.90	45.29	5.37	95.50	97.04
101.0	21-Jul-99	1330	126	BNP Marker B	25.67167	-80.20500	1999.55	BB	MAIN	0.55	07	1999	1999-07	0.0014	0.0000	0.0014	0.0134	0.2972	0.0147	0.2825	0.0107	0.0015	0.1452	0.2175	4.2593	0.1551	31.30	31.40	30.60	30.40	6.10	6.00	0.81			61.27	22.16	3.04	91.17	89.60
101.0	21-Jul-99	1505	127	Shoal Point	25.63000	-80.25000	1999.55	BB	IS	0.55	07	1999	1999-07	0.0070	0.0048	0.0022	0.0193	0.3651	0.0263	0.3388	0.0112	0.0023	0.2180	0.2706	5.1330	0.2402	28.30	28.40	31.20	31.20	6.00	6.00	0.50			71.99	25.84	5.19	88.37	88.42
101.0	21-Jul-99	903	128	Matheson Beach	25.68833	-80.23333	1999.55	BB	IS	0.55	07	1999	1999-07	0.0197	0.0182	0.0015	0.0152	0.3882	0.0349	0.3533	0.0151	0.0025	0.4880	0.9900	5.7070	0.0775	23.90	23.80	29.60	29.60	5.60	5.40	0.64			57.09	31.19	5.14	79.34	76.46
101.0	21-Jul-99	1245	129	Marker G-71	25.73667	-80.18500	1999.55	BB	MAIN	0.55	07	1999	1999-07	0.0014	0.0001	0.0014	0.0251	0.2533	0.0266	0.2267	0.0105	0.0016	0.1522	0.5422	5.3573	0.1875	26.90	26.90	30.60	30.70	6.10	6.10	0.35			53.55	37.95	5.62	88.71	88.77
101.0	21-Jul-99	1230	130	South Dodge Island	25.76333	-80.17167	1999.55	BB	NBAY	0.55	07	1999	1999-07	0.0708	0.0634	0.0074	0.1072	0.4766	0.1780	0.2986	0.0138	0.0005	0.0890	0.3311	7.4070	1.2871	26.50	27.90	30.10	30.20	4.80	5.40	1.41			76.28	726.57	28.49	69.38	78.79
101.0	21-Jul-99	1145	131	North Venetian Basin	25.80000	-80.16667	1999.55	BB	NBAY	0.55	07	1999	1999-07	0.0309	0.0279	0.0030	0.0328	0.3521	0.0637	0.2884	0.0148	0.0029	0.1382	0.4701	5.3143	0.4132	27.10	27.20	30.50	30.40	5.30	5.10	0.78			52.52	49.22	9.51	77.11	74.20
101.0	21-Jul-99	1125	132	North I-195 Basin	25.81667	-80.16667	1999.55	BB	NBAY	0.55	07	1999	1999-07	0.0219	0.0196	0.0024	0.0237	0.3905	0.0456	0.3449	0.0154	0.0037	0.2179	0.5656	6.2088	0.5685	25.10	25.20	30.70	30.70	5.10	5.10	0.57			56.28	27.15	6.57	73.39	73.44
101.0	21-Jul-99	1103	133	North Normandy Isle	25.86667	-80.15000	1999.55	BB	NBAY	0.55	07	1999	1999-07	0.0164	0.0146	0.0018	0.0113	0.3283	0.0277	0.3006	0.0135	0.0021	0.2979	0.8648	5.4673	0.7020	27.00	30.50	30.10	30.70	6.30	6.30	0.73			53.99	29.33	4.56	91.35	93.75
101.0	21-Jul-99	1050	134	Oleta River Park	25.90500	-80.13333	1999.55	BB	NBAY	0.55	07	1999	1999-07	0.0123	0.0108	0.0015	0.0166	0.2540	0.0289	0.2251	0.0134	0.0021	0.3005	0.5921	4.6833	0.4096	29.90	33.70	29.80	29.80	6.00	5.60	1.05			42.05	30.56	4.78	88.39	84.48
101.0	20-Jul-99	1250	135	South Card Sound	25.31667	-80.31667	1999.55	BB	SCARD	0.55	07	1999	1999-07	0.0009	0.0000	0.0009	0.0138	0.3954	0.0147	0.3808	0.0098	0.0017	0.2800	0.1963	6.2740	0.0624	33.80	33.80	30.40	30.20	5.50	5.50	0.29			88.98	19.05	3.30	83.37	83.26
102.0	20-Aug-99	752	101	Convoy Point	25.47833	-80.32083	1999.63	BB	AS	0.63	08	1999	1999-08	0.0191	0.0151	0.0041	0.0191	0.4082	0.0382	0.3700	0.0049	0.0040	0.5112	0.2590	6.7380		32.10	36.00	29.30	29.30	3.10	3.70	0.18			185.11	20.98	17.32	46.13	55.12
102.0	20-Aug-99	815	102	Black Point	25.54583	-80.29467	1999.63	BB	AS	0.63	08	1999	1999-08	0.1049	0.0989	0.0060	0.0206	0.4116	0.1255	0.2861	0.0051		0.3238	0.2000	5.7430		30.50	36.00	29.00	29.10	4.60	4.00	0.27			178.20		54.35	67.60	59.20
102.0	20-Aug-99	825	103	Near Black Ledge	25.57333	-80.28667	1999.63	BB	IS	0.63	08	1999	1999-08	0.0252	0.0166	0.0086	0.0142	0.4348	0.0394	0.3954	0.0088		0.8172	0.3100	7.0483		28.40	36.00	28.80	28.90	4.50	4.50	0.38			109.94		9.96	65.16	65.21
102.0	19-Aug-99	845	104	BNP Marker C	25.60167	-80.22083	1999.63	BB	MAIN	0.63	08	1999	1999-08	0.0023	0.0000	0.0023	0.0046	0.2013	0.0069	0.1944	0.0175		0.1256	0.1547	4.0498		37.10	36.00	29.50	29.60	5.10	5.00	0.44			25.45		0.87	78.42	76.89
102.0	19-Aug-99	833	108	Marker G-1B	25.56917	-80.19250	1999.63	BB	MAIN	0.63	08	1999	1999-08	0.0015	0.0000	0.0015	0.0000	0.1923	0.0015	0.1908	0.0150		0.0842	0.1410	3.5560		36.50	36.00	29.10	29.10	4.60	4.60	0.23			28.32		0.23	70.25	70.25
102.0	19-Aug-99	820	109	Midbay North	25.56417	-80.23500	1999.63	BB	MAIN	0.63	08	1999	1999-08	0.0017	0.0001	0.0016	0.0030	0.2259	0.0047	0.2212	0.0031		0.1241	0.1752	4.3278		37.60	36.00	29.60	29.60	5.00	4.90	0.49			163.37		3.39	77.18	75.63
102.0	20-Aug-99	911	110	Fender Point	25.50500	-80.28750	1999.63	BB	IS	0.63	08	1999	1999-08	0.0593	0.0545	0.0048	0.0215	0.3754	0.0807	0.2946	0.0061	0.0059	0.2331	0.1901	5.2018		33.90	36.00	28.90	29.00	5.00	5.10	0.35			135.76	30.36	29.20	75.01	76.57
102.0	19-Aug-99	758	111	Featherbed Bank	25.51583	-80.24000	1999.63	BB	MAIN	0.63	08	1999	1999-08	0.0021	0.0000	0.0021	0.0130	0.2217	0.0150	0.2067	0.0035		0.1392	0.1547	4.1190		37.40	36.00	29.30	29.30	4.90	4.80	0.52			140.76	-0.01	9.53	75.37	73.79
102.0	20-Aug-99	1105	112	Sands Cut	25.48833	-80.18833	1999.63	BB	MAIN	0.63	08	1999	1999-08	0.0014	0.0000	0.0014	0.0050	0.2089	0.0064	0.2025	0.0054		0.1714	0.1572	3.8133		37.40	36.00	29.50	29.60	5.90	5.90	0.49			85.13	0.00	2.60	90.89	90.78
102.0	20-Aug-99	1053	113	Elliott Key	25.44167	-80.22333	1999.63	BB	MAIN	0.63	08	1999	1999-08	0.0116	0.0092	0.0023	0.0121	0.2234	0.0237	0.1997	0.0047	0.0012	0.2387	0.1597	3.6003		36.80	36.00	29.30	29.30	5.80	5.90	0.75			106.39	45.13	11.28	88.88	90.41
102.0	20-Aug-99	956	116	Rubicon Keys	25.40000	-80.25500	1999.63	BB	MAIN	0.63	08	1999	1999-08	0.0077	0.0047	0.0030	0.0079	0.2138	0.0156	0.1983	0.0068	0.0047	0.1151	0.1373	3.9695		36.40	36.00	29.30	29.40	5.40	5.40	0.23			69.43	7.42	5.06	82.54	82.60
102.0	20-Aug-99	1009	121	North Card Sound	25.35500	-80.29167	1999.63	BB	SCARD	0.63	08	1999	1999-08	0.0017	0.0000	0.0017	0.0071	0.3595	0.0088	0.3507	0.0060		0.1240	0.1609	5.5448		35.60	36.00	29.60	29.60	5.70	5.70	0.10			131.67		3.21	86.89	86.89
102.0	20-Aug-99	941	122	West Arsenicker	25.42017	-80.31083	1999.63	BB	IS	0.63	08	1999	1999-08	0.0102	0.0080	0.0022	0.0209	0.3676	0.0310	0.3365	0.0059		0.2883	0.2156	5.6788		35.20	36.00	29.00	29.00	4.80	5.00	0.39			138.18		11.67	72.65	75.68
102.0	20-Aug-99	928	123	Pelican Bank	25.44500	-80.28333	1999.63	BB	MAIN	0.63	08	1999	1999-08	0.0121	0.0091	0.0030	0.0187	0.3328	0.0308	0.3020	0.0048	0.0031	0.1825	0.1677	5.4645		35.60	36.00	29.00	29.00	5.20	5.20	0.43			153.37	22.00	14.19	78.91	78.91
102.0	20-Aug-99	1141	124	Midbay South	25.47250	-80.23333	1999.63	BB	MAIN	0.63	08	1999	1999-08	0.0053	0.0033	0.0020	0.0297	0.2800	0.0350	0.2450	0.0052		0.2175	0.1901	4.4915		36.30	36.00	29.60	29.60	5.80	5.90	0.73			119.42		14.94	88.80	90.27
102.0	19-Aug-99	902	126	BNP Marker B	25.67167	-80.20500	1999.63	BB	MAIN	0.63	08	1999	1999-08	0.0027	0.0000	0.0027	0.0043	0.3515	0.0070	0.3445	0.0261	0.0012	0.1153	0.2690	3.8253		36.00	36.00	29.60	29.60	5.00	5.00	0.99			29.80	13.33	0.59	76.41	76.46
102.0	20-Aug-99	841	127	Shoal Point	25.63000	-80.25000	1999.63	BB	IS	0.63	08	1999	1999-08	0.0163	0.0112	0.0052	0.0249	0.4659	0.0412	0.4248	0.0100		0.2535	0.1404	4.9790		32.60	36.00	29.50	29.50	4.50	4.60	0.37			103.20		9.12	67.27	68.72
102.0	19-Aug-99	1231	128	Matheson Beach	25.68833	-80.23333	1999.63	BB	IS	0.63	08	1999	1999-08	0.0153	0.0118	0.0034	0.0032	0.4563	0.0185	0.4379	0.0185		0.1255	0.3727	4.7635		31.70	36.00	29.60	30.00	5.30	5.50	0.39			54.55		2.21	78.84	82.57
102.0	19-Aug-99	920	129	Marker G-71	25.73667	-80.18500	1999.63	BB	MAIN	0.63	08	1999	1999-08	0.0094	0.0044	0.0050	0.0267	0.3711	0.0361	0.3350	0.0095		0.1448	0.4088	4.3855		32.70	36.00	29.60	29.80	5.30	5.00	0.92			86.92		8.46	79.34	75.29
102.0	19-Aug-99	930	130	South Dodge Island	25.76333	-80.17167	1999.63	BB	NBAY	0.63	08	1999	1999-08	0.0173	0.0107	0.0066	0.0284	0.3895	0.0457	0.3438	0.0073		0.1512	0.5790	4.4260		32.40	36.00	29.70	29.70	5.10	5.10	1.62			118.38		13.88	76.26	76.26
102.0	19-Aug-99	951	131	North Venetian Basin	25.80000	-80.16667	1999.63	BB	NBAY	0.63	08	1999	1999-08	0.0406	0.0351	0.0055	0.0344	0.3543	0.0750	0.2793	0.0102	0.0208	0.0852	0.6753	4.6178		31.10	36.00	29.70	29.70	4.70	4.20	1.09			76.68	8.00	16.23	69.71	62.29
102.0	19-Aug-99	1000	132	North I-195 Basin	25.81667	-80.16667	1999.63	BB	NBAY	0.63	08	1999	1999-08	0.0168	0.0134	0.0034	0.0252	0.4723	0.0420	0.4303	0.0097		0.1261	0.4808	4.8688		29.80	36.00	29.60	29.60	4.50	4.50	0.45			107.70		9.58	66.15	66.11
102.0	19-Aug-99	1025	133	North Normandy Isle	25.86667	-80.15000	1999.63	BB	NBAY	0.63	08	1999	1999-08	0.0396	0.0350	0.0046	0.0342	0.4562	0.0738	0.3824	0.0187		0.1441	0.9561	5.3393		27.30	36.00	29.40	30.30	5.40	4.80	0.59			54.11		8.75	78.03	71.63
102.0	19-Aug-99	1048	134	Oleta River Park	25.90500	-80.13333	1999.63	BB	NBAY	0.63	08	1999	1999-08	0.0523	0.0449	0.0073	0.0342	0.5312	0.0864	0.4448	0.0174		0.1175	0.9380	5.5408		27.80	36.00	30.10	30.10	4.70	4.90	0.84			67.76		11.02	68.49	74.68
102.0	20-Aug-99	1023	135	South Card Sound	25.31667	-80.31667	1999.63	BB	SCARD	0.63	08	1999	1999-08	0.0022	0.0000	0.0022	0.0143	0.5162	0.0165	0.4997	0.0102		0.1281	0.2193	7.2560		33.40	36.00	29.60	29.60	4.90	5.60	0.13			111.72		3.57	73.67	84.41
103.0	03-Sep-99	828	101	Convoy Point	25.47833	-80.32083	1999.67	BB	AS	0.67	09	1999	1999-09	0.2270	0.2170	0.0102	0.0623	0.7659	0.2953	0.4706	0.0253	0.0000	0.7558	0.1839	7.1500		23.60	36.00	29.80	31.00	7.50	7.50	0.45			67.13		25.88	106.22	110.18
103.0	02-Sep-99	246	102	Black Point	25.54583	-80.29467	1999.67	BB	AS	0.67	09	1999	1999-09	0.0412	0.0324	0.0088	0.0222	0.5145	0.0634	0.4511	0.0147	0.0000	0.6432	0.2901	6.8515		26.40	36.00	31.20	31.20	5.90	5.90	0.54			77.37		9.54	85.88	85.88
103.0	02-Sep-99	230	103	Near Black Ledge	25.57333	-80.28667	1999.67	BB	IS	0.67	09	1999	1999-09	0.0269	0.0229	0.0040	0.0279	0.4242	0.0548	0.3694	0.0067	0.0000	0.3830	0.2622	4.9473		28.60	36.00	30.80	30.80	5.40	5.30	0.50			139.32		17.99	79.47	78.00
103.0	02-Sep-99	953	104	BNP Marker C	25.60167	-80.22083	1999.67	BB	MAIN	0.67	09	1999	1999-09	0.0009	0.0000	0.0009	0.0080	0.2388	0.0089	0.2299	0.0076	0.0010	0.1523	0.1522	3.0575		35.70	36.00	30.90	30.90	5.50	5.50	0.57			69.63	19.54	2.59	84.64	84.64
103.0	02-Sep-99	933	108	Marker G-1B	25.56917	-80.19250	1999.67	BB	MAIN	0.67	09	1999	1999-09	0.0005	0.0000	0.0005	0.0058	0.2287	0.0063	0.2223	0.0070	0.0016	0.1156	0.2013	2.9255		35.60	36.00	30.70	30.70	4.80	4.90	0.45			72.59	9.05	2.01	73.73	75.27
103.0	02-Sep-99	909	109	Midbay North	25.56417	-80.23500	1999.67	BB	MAIN	0.67	09	1999	1999-09	0.0016	0.0008	0.0008	0.0091	0.2676	0.0107	0.2568	0.0149	0.0012	0.1649	0.1615	2.9815		35.70	36.00	30.90	30.90	5.20	5.40	0.58			39.82	20.47	1.60	80.03	83.10
103.0	03-Sep-99	845	110	Fender Point	25.50500	-80.28750	1999.67	BB	IS	0.67	09	1999	1999-09	0.0660	0.0609	0.0051	0.0386	0.4493	0.1046	0.3447	0.0258	0.0018	0.1895	0.1367	4.4008		32.20	36.00	30.30	30.30	5.60	5.80	0.37			38.55	129.96	8.98	83.99	87.21
103.0	02-Sep-99	843	111	Featherbed Bank	25.51583	-80.24000	1999.67	BB	MAIN	0.67	09	1999	1999-09	0.0028	0.0015	0.0013	0.0093	0.2439	0.0120	0.2318	0.0069	0.0019	0.1617	0.1323	3.0623		36.10	36.00	30.90	30.90	4.90	4.90	0.54			78.28	14.33	3.87	75.60	75.60
103.0	03-Sep-99	1014	112	Sands Cut	25.48833	-80.18833	1999.67	BB	MAIN	0.67	09	1999	1999-09	0.0018	0.0011	0.0007	0.0129	0.1959	0.0147	0.1812	0.0114	0.0019	0.1357	0.1336	2.9950		36.20	36.00	31.20	31.20	4.40	4.10	0.52			38.08	17.50	2.86	68.05	63.41
103.0	03-Sep-99	1029	113	Elliott Key	25.44167	-80.22333	1999.67	BB	MAIN	0.67	09	1999	1999-09	0.0113	0.0089	0.0024	0.0318	0.2687	0.0431	0.2255	0.0064	0.0005	0.1296	0.1553	3.2455		35.90	36.00	30.80	30.80	5.30	5.20	0.51			93.61	176.00	15.02	81.61	80.12
103.0	03-Sep-99	932	116	Rubicon Keys	25.40000	-80.25500	1999.67	BB	MAIN	0.67	09	1999	1999-09	0.0231	0.0212	0.0019	0.0173	0.3220	0.0404	0.2815	0.0302	0.0000	0.1545	0.2224	3.9143		33.80	36.00	30.90	30.90	6.10	5.90	0.44			23.59		2.96	92.78	89.74
103.0	03-Sep-99	945	121	North Card Sound	25.35500	-80.29167	1999.67	BB	SCARD	0.67	09	1999	1999-09	0.0028	0.0013	0.0015	0.0165	0.3292	0.0193	0.3099	0.0295	0.0006	0.1845	0.1777	4.5870		34.40	36.00	31.30	31.30	5.90	6.30	0.27			24.68	68.75	1.44	90.30	96.42
103.0	03-Sep-99	913	122	West Arsenicker	25.42017	-80.31083	1999.67	BB	IS	0.67	09	1999	1999-09	0.2100	0.2010	0.0088	0.0399	0.6720	0.2563	0.4157	0.0179	0.0015	0.4131	0.2100	5.3370		25.70	36.00	30.00	30.70	6.50	5.90	0.26			83.11	385.42	31.70	93.42	86.23
103.0	03-Sep-99	902	123	Pelican Bank	25.44500	-80.28333	1999.67	BB	MAIN	0.67	09	1999	1999-09	0.0995	0.0937	0.0058	0.0344	0.4692	0.1340	0.3353	0.0186	0.0016	0.2000	0.0975	4.4933		30.50	36.00	30.30	30.70	6.10	6.20	0.27			55.86	191.40	15.95	90.53	92.95
103.0	03-Sep-99	1131	124	Midbay South	25.47250	-80.23333	1999.67	BB	MAIN	0.67	09	1999	1999-09	0.0031	0.0002	0.0029	0.0267	0.3027	0.0298	0.2729	0.0074	0.0015	0.1501	0.1640	3.5358		35.90	36.00	31.00	30.90	5.10	5.60	0.54			90.09	44.84	8.88	78.64	86.24
103.0	02-Sep-99	1013	126	BNP Marker B	25.67167	-80.20500	1999.67	BB	MAIN	0.67	09	1999	1999-09	0.0039	0.0015	0.0024	0.0142	0.2768	0.0182	0.2586	0.0071	0.0016	0.1401	0.2187	4.0140		32.10	36.00	30.60	30.60	5.20	5.40	1.01			85.97	24.71	5.64	78.10	81.16
103.0	02-Sep-99	220	127	Shoal Point	25.63000	-80.25000	1999.67	BB	IS	0.67	09	1999	1999-09	0.0109	0.0075	0.0033	0.0211	0.3255	0.0319	0.2936	0.0073	0.0019	0.1507	0.2945	4.3748		30.60	36.00	30.60	30.60	5.20	5.20	0.33			98.94	38.00	9.70	77.38	77.38
103.0	02-Sep-99	204	128	Matheson Beach	25.68833	-80.23333	1999.67	BB	IS	0.67	09	1999	1999-09	0.0158	0.0130	0.0028	0.0203	0.3018	0.0361	0.2657	0.0146	0.0016	0.1434	0.4050	4.6178		30.30	36.00	30.60	30.60	5.80	5.70	0.32			45.62	49.10	5.46	86.15	84.66
103.0	02-Sep-99	1031	129	Marker G-71	25.73667	-80.18500	1999.67	BB	MAIN	0.67	09	1999	1999-09	0.0113	0.0081	0.0033	0.0214	0.3486	0.0327	0.3159	0.0109	0.0011	0.1039	0.3702	4.2103		31.80	36.00	30.90	30.90	4.70	5.10	0.69			71.14	66.71	6.67	70.60	77.18
103.0	02-Sep-99	1054	130	South Dodge Island	25.76333	-80.17167	1999.67	BB	NBAY	0.67	09	1999	1999-09	0.0722	0.0550	0.0173	0.1029	0.8271	0.1751	0.6520	0.0134	0.0002	0.0894	0.5181	6.5000		29.40	36.00	30.50	30.70	4.50	5.20	0.96			136.61	2502.00	28.92	66.42	78.06
103.0	02-Sep-99	1126	131	North Venetian Basin	25.80000	-80.16667	1999.67	BB	NBAY	0.67	09	1999	1999-09	0.0236	0.0210	0.0025	0.0158	0.3371	0.0394	0.2977	0.0118	0.0000	0.1159	0.6697	4.5820		30.50	36.00	30.80	30.60	4.30	5.30	0.63			63.37		7.40	64.03	79.51
103.0	02-Sep-99	1141	132	North I-195 Basin	25.81667	-80.16667	1999.67	BB	NBAY	0.67	09	1999	1999-09	0.0242	0.0151	0.0091	0.0223	0.3703	0.0464	0.3239	0.0149	0.0003	0.1328	0.8386	4.9478		27.80	36.00	30.70	30.80	5.20	5.10	0.59			55.11	331.75	6.91	76.10	74.64
103.0	02-Sep-99	1202	133	North Normandy Isle	25.86667	-80.15000	1999.67	BB	NBAY	0.67	09	1999	1999-09	0.0133	0.0107	0.0026	0.0158	0.3737	0.0291	0.3446	0.0141	0.0000	0.5011	2.0562	5.5118		25.80	36.00	30.00	31.00	6.10	6.10	1.00			58.66		4.57	87.72	90.00
103.0	02-Sep-99	1225	134	Oleta River Park	25.90500	-80.13333	1999.67	BB	NBAY	0.67	09	1999	1999-09	0.0376	0.0328	0.0048	0.0169	0.2690	0.0545	0.2145	0.0143	0.0006	0.2308	1.4692	4.0215		32.60	36.00	30.20	30.30	5.20	5.40	1.03			41.54	194.63	8.42	78.13	81.60
103.0	03-Sep-99	1002	135	South Card Sound	25.31667	-80.31667	1999.67	BB	SCARD	0.67	09	1999	1999-09	0.0020	0.0000	0.0020	0.0157	0.4228	0.0177	0.4051	0.0062	0.0019	0.1656	0.1615	6.5893		33.30	36.00	31.00	31.30	5.30	5.20	0.22			151.01	21.13	6.34	80.41	79.29
104.0	28-Oct-99	1708	101	Convoy Point	25.47833	-80.32083	1999.82	BB	AS	0.82	10	1999	1999-10	0.1251	0.1231	0.0020	0.0176	0.6998	0.1427	0.5571	0.0050	0.0029	0.2011	1.7258	4.6648		20.60	20.60	24.30	24.30	7.80	7.70	1.20			140.87	25.21	28.72	102.75	101.43
104.0	28-Oct-99	1642	102	Black Point	25.54583	-80.29467	1999.82	BB	AS	0.82	10	1999	1999-10	0.0719	0.0677	0.0043	0.0185	0.3746	0.0904	0.2842	0.0057	0.0045	0.5424	2.4591	5.1055		18.80	18.70	23.80	23.80	8.50	8.50	0.62			65.19	20.82	15.74	110.01	109.94
104.0	28-Oct-99	1630	103	Near Black Ledge	25.57333	-80.28667	1999.82	BB	IS	0.82	10	1999	1999-10	0.0921	0.0871	0.0050	0.0632	0.4660	0.1553	0.3107	0.0052	0.0046	0.4997	6.3691	5.1493		20.20	20.10	24.10	24.10	8.10	8.20	1.89			90.28	31.79	30.09	106.17	107.41
104.0	28-Oct-99	1053	104	BNP Marker C	25.60167	-80.22083	1999.82	BB	MAIN	0.82	10	1999	1999-10	0.0573	0.0552	0.0022	0.0189	0.3958	0.0762	0.3196	0.0046	0.0033	0.1283	1.7914	3.3553		28.20	28.10	23.40	23.40	6.60	6.70	1.60			86.86	16.12	16.73	90.36	91.66
104.0	28-Oct-99	1035	108	Marker G-1B	25.56917	-80.19250	1999.82	BB	MAIN	0.82	10	1999	1999-10	0.0302	0.0288	0.0015	0.0107	0.2808	0.0409	0.2399	0.0052	0.0016	0.1804	2.1285	3.4345		29.90	29.90	23.10	23.00	6.40	6.30	0.87			53.78	10.98	7.83	88.27	86.78
104.0	28-Oct-99	1020	109	Midbay North	25.56417	-80.23500	1999.82	BB	MAIN	0.82	10	1999	1999-10	0.0370	0.0338	0.0033	0.0201	0.3045	0.0571	0.2473	0.0060	0.0037	0.0815	0.9904	3.0603		30.40	30.50	23.30	23.30	6.30	6.40	0.89			50.78	17.54	9.53	87.39	88.83
104.0	28-Oct-99	1654	110	Fender Point	25.50500	-80.28750	1999.82	BB	IS	0.82	10	1999	1999-10	0.1063	0.0991	0.0072	0.0392	0.4250	0.1454	0.2796	0.0127	0.0016	0.1019	0.9611	3.3308		27.90	27.90	23.90	23.90	7.10	7.10	0.81			33.59	44.64	11.49	97.59	97.59

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
104.0	28-Oct-99	1000	111	Featherbed Bank	25.51583	-80.24000	1999.82	BB	MAIN	0.82	10	1999	1999-10	0.0037	0.0032	0.0006	0.0107	0.2037	0.0144	0.1893	0.0053	0.0004	0.0958	0.7803	2.8390		31.60	31.60	22.90	22.90	6.10	6.30	0.82			38.77	6.00	2.75	84.86	87.64
104.0	29-Oct-99	1105	112	Sands Cut	25.48833	-80.18833	1999.82	BB	MAIN	0.82	10	1999	1999-10	0.0020	0.0020	0.0000	0.0107	0.2324	0.0127	0.2197	0.0039	0.0012	0.0912	0.6935	2.8350		31.60	31.60	23.30	23.30	6.90	6.90	0.95			60.34	4.96	3.29	96.46	96.46
104.0	29-Oct-99	1047	113	Elliott Key	25.44167	-80.22333	1999.82	BB	MAIN	0.82	10	1999	1999-10	0.0349	0.0338	0.0011	0.0416	0.2569	0.0764	0.1805	0.0037	0.0010	0.0676	0.6753	3.1113		31.30	31.30	23.60	23.60	6.80	6.80	1.53			69.51	29.85	20.67	95.22	95.22
104.0	29-Oct-99	0945	116	Rubicon Keys	25.40000	-80.25500	1999.82	BB	MAIN	0.82	10	1999	1999-10	0.2909	0.2859	0.0051	0.0686	0.4858	0.3595	0.1262	0.0051	0.0001	0.1056	1.4642	3.7390		25.60	25.60	23.30	23.30	6.70	6.60	3.43			96.03	105.34	71.08	90.07	88.73
104.0	29-Oct-99	1000	121	North Card Sound	25.35500	-80.29167	1999.82	BB	SCARD	0.82	10	1999	1999-10	0.1333	0.1288	0.0045	0.0422	0.3970	0.1755	0.2215	0.0040	0.0000	0.0971	1.2137	4.4245		26.30	26.30	23.60	23.60	7.00	7.00	1.39			99.08	58.00	43.79	94.88	94.88
104.0	29-Oct-99	0927	122	West Arsenicker	25.42017	-80.31083	1999.82	BB	IS	0.82	10	1999	1999-10	0.6924	0.6717	0.0207	0.0948	0.9377	0.7872	0.1504	0.0056	0.0003	0.3371	3.4823	5.1890		15.50	15.50	23.30	23.30	7.10	7.20	2.41			168.74	109.18	141.67	89.38	90.64
104.0	29-Oct-99	0914	123	Pelican Bank	25.44500	-80.28333	1999.82	BB	MAIN	0.82	10	1999	1999-10	0.3009	0.2953	0.0056	0.0477	0.4688	0.3485	0.1203	0.0073	0.0006	0.1526	1.3147	3.9740		22.50	25.10	23.30	23.40	6.80	6.50	2.46			64.21	84.79	47.74	89.59	87.21
104.0	29-Oct-99	1115	124	Midbay South	25.47250	-80.23333	1999.82	BB	MAIN	0.82	10	1999	1999-10	0.0387	0.0384	0.0002	0.0306	0.2588	0.0693	0.1895	0.0031	0.0014	0.0761	0.4712	2.8045		31.30	31.30	23.80	23.80	6.60	6.80	1.22			82.27	25.53	22.03	92.64	95.44
104.0	28-Oct-99	1115	126	BNP Marker B	25.67167	-80.20500	1999.82	BB	MAIN	0.82	10	1999	1999-10	0.0886	0.0856	0.0030	0.0266	0.4402	0.1152	0.3250	0.0041	0.0020	0.2872	2.8156	3.6953		26.80	30.40	23.70	24.20	6.50	6.40	1.16			106.98	40.14	28.00	88.50	89.72
104.0	28-Oct-99	1613	127	Shoal Point	25.63000	-80.25000	1999.82	BB	IS	0.82	10	1999	1999-10	0.1053	0.1008	0.0045	0.0586	0.4715	0.1639	0.3076	0.0055	0.0036	0.2981	5.9711	4.9560		22.40	22.40	24.00	24.00	6.90	6.80	1.19			85.21	42.26	29.62	91.63	90.30
104.0	28-Oct-99	1543	128	Matheson Beach	25.68833	-80.23333	1999.82	BB	IS	0.82	10	1999	1999-10	0.0510	0.0488	0.0022	0.0140	0.6624	0.0650	0.5973	0.0083	0.0019	0.3149	6.2499	5.0100		28.90	28.90	24.40	24.30	7.60	7.60	1.49			80.25	32.22	7.88	105.76	105.64
104.0	28-Oct-99	1138	129	Marker G-71	25.73667	-80.18500	1999.82	BB	MAIN	0.82	10	1999	1999-10	0.0428	0.0418	0.0010	0.0318	0.2356	0.0746	0.1610	0.0070	0.0019	0.1504	5.8933	3.6923		29.90	32.00	24.50	24.80	5.90	6.00	2.18			33.74	27.49	10.69	82.73	85.56
104.0	28-Oct-99	1156	130	South Dodge Island	25.76333	-80.17167	1999.82	BB	NBAY	0.82	10	1999	1999-10	0.0329	0.0328	0.0001	0.0114	0.1947	0.0443	0.1504	0.0062	0.0023	0.0859	6.8772	2.9910		32.90	32.90	24.80	24.80	5.90	5.90	1.63			31.49	17.28	7.16	84.63	84.63
104.0	28-Oct-99	1225	131	North Venetian Basin	25.80000	-80.16667	1999.82	BB	NBAY	0.82	10	1999	1999-10	0.0532	0.0534	0.0000	0.0300	0.1636	0.0832	0.0804	0.0066	0.0011	0.0921	7.1903	3.3170		30.10	30.60	24.80	24.80	6.00	6.00	1.27			24.65	24.94	12.53	84.52	84.79
104.0	28-Oct-99	1244	132	North I-195 Basin	25.81667	-80.16667	1999.82	BB	NBAY	0.82	10	1999	1999-10	0.1063	0.1022	0.0041	0.0760	0.3257	0.1823	0.1434	0.0092	0.0010	0.1902	9.1781	4.4903		25.50	25.80	23.90	24.00	6.30	6.30	1.32			35.29	63.49	19.75	85.26	85.53
104.0	28-Oct-99	1350	133	North Normandy Isle	25.86667	-80.15000	1999.82	BB	NBAY	0.82	10	1999	1999-10	0.0778	0.0688	0.0089	0.0344	0.3002	0.1121	0.1880	0.0170	0.0019	0.0988	8.5317	4.4393		27.80	29.50	24.40	24.80	6.50	6.40	1.41			17.63	42.51	6.59	89.81	89.81
104.0	28-Oct-99	1408	134	Oleta River Park	25.90500	-80.13333	1999.82	BB	NBAY	0.82	10	1999	1999-10	0.0499	0.0465	0.0035	0.0152	0.2055	0.0651	0.1405	0.0088	0.0033	0.0863	6.4620	3.7558		29.80	33.40	25.30	25.20	6.00	6.20	1.68			23.41	15.26	7.41	84.82	89.60
104.0	29-Oct-99	1015	135	South Card Sound	25.31667	-80.31667	1999.82	BB	SCARD	0.82	10	1999	1999-10	0.0450	0.0430	0.0020	0.0706	0.2979	0.1156	0.1823	0.0034	0.0033	0.0875	1.5258	5.4675		25.30	25.20	23.80	23.80	6.80	6.70	1.40			86.76	33.11	33.67	91.80	90.39
105.0	22-Nov-99	952	101	Convoy Point	25.47833	-80.32083	1999.89	BB	AS	0.89	11	1999	1999-11	0.1051	0.0991	0.0060	0.0222	0.3547	0.1274	0.2274	0.0067	0.0006	0.3745	0.5712	5.2530	0.1891	22.30	22.50	23.30	23.20	6.90	7.00	0.55			52.61	586.88	18.89	90.79	92.11
105.0	22-Nov-99	1025	102	Black Point	25.54583	-80.29467	1999.89	BB	AS	0.89	11	1999	1999-11	0.0037	0.0015	0.0023	0.0175	0.2941	0.0213	0.2728	0.0056	0.0006	0.3623	0.7207	5.5725	0.6973	24.60	24.70	22.90	22.70	6.50	6.90	0.54			52.71	98.01	3.81	86.38	91.52
105.0	22-Nov-99	1040	103	Near Black Ledge	25.57333	-80.28667	1999.89	BB	IS	0.89	11	1999	1999-11	0.0095	0.0071	0.0024	0.0147	0.3410	0.0241	0.3169	0.0053	0.0012	0.2178	0.7349	4.9895	0.3032	25.90	25.90	22.70	22.70	7.30	7.50	0.54			63.77	28.84	4.51	97.59	100.27
105.0	22-Nov-99	1115	104	BNP Marker C	25.60167	-80.22083	1999.89	BB	MAIN	0.89	11	1999	1999-11	0.0089	0.0069	0.0020	0.0110	0.2592	0.0199	0.2394	0.0038	0.0009	0.0691	0.4783	3.6998	0.0330	29.60	30.20	22.90	22.60	7.10	7.20	0.55			68.27	37.70	5.23	97.49	98.88
105.0	22-Nov-99	1130	108	Marker G-1B	25.56917	-80.19250	1999.89	BB	MAIN	0.89	11	1999	1999-11	0.0029	0.0000	0.0029	0.0076	0.2471	0.0105	0.2366	0.0041	0.0012	0.0961	0.3308	3.5180	0.0554	32.70	32.70	22.70	22.70	6.30	6.50	0.70			60.15	13.83	2.56	88.05	90.85
105.0	22-Nov-99	1145	109	Midbay North	25.56417	-80.23500	1999.89	BB	MAIN	0.89	11	1999	1999-11	0.0112	0.0085	0.0027	0.0093	0.2372	0.0206	0.2167	0.0038	0.0012	0.0776	0.4904	3.8545	0.0125	30.30	30.30	22.70	22.70	7.30	7.40	0.69			62.47	27.08	5.42	100.44	101.82
105.0	22-Nov-99	1010	110	Fender Point	25.50500	-80.28750	1999.89	BB	IS	0.89	11	1999	1999-11	0.0108	0.0074	0.0034	0.0116	0.2585	0.0224	0.2361	0.0040	0.0018	0.0744	0.3763	3.9888	0.0185	29.00	29.00	22.90	22.90	7.20	7.30	0.38			65.40	16.26	5.67	98.48	99.84
105.0	22-Nov-99	1200	111	Featherbed Bank	25.51583	-80.24000	1999.89	BB	MAIN	0.89	11	1999	1999-11	0.0037	0.0013	0.0024	0.0089	0.2008	0.0126	0.1882	0.0034	0.0012	0.0589	0.3571	4.1310	0.0057	32.60	32.50	23.00	22.90	6.80	6.90	0.58			58.87	15.04	3.69	95.33	96.55
105.0	22-Nov-99	1210	112	Sands Cut	25.48833	-80.18833	1999.89	BB	MAIN	0.89	11	1999	1999-11	0.0064	0.0050	0.0014	0.0064	0.1815	0.0128	0.1687	0.0042	0.0005	0.0592	0.4005	4.0700	0.0035	33.90	33.90	23.30	23.20	6.80	6.80	0.57			43.36	205.87	3.05	96.50	96.38
105.0	22-Nov-99	1200	113	Elliott Key	25.44167	-80.22333	1999.89	BB	MAIN	0.89	11	1999	1999-11	0.0070	0.0027	0.0043	0.0209	0.2057	0.0278	0.1778	0.0033	0.0009	0.0588	0.3521	4.2475	0.0000	31.10	31.40	23.40	23.20	7.00	7.30	0.53			61.72	52.84	8.36	97.66	101.80
105.0	22-Nov-99	1335	116	Rubicon Keys	25.40000	-80.25500	1999.89	BB	MAIN	0.89	11	1999	1999-11	0.0191	0.0189	0.0002	0.0043	0.2626	0.0234	0.2391	0.0048	0.0007	0.0685	0.5844	4.7318	0.0015	28.30	29.90	23.10	23.80	6.60	6.60	0.74			54.65	79.59	4.88	90.08	91.80
105.0	22-Nov-99	1400	121	North Card Sound	25.35500	-80.29167	1999.89	BB	SCARD	0.89	11	1999	1999-11	0.0403	0.0387	0.0016	0.0108	0.3004	0.0511	0.2493	0.0049	0.0012	0.1124	0.6955	6.0400	0.0000	25.40	29.60	23.80	23.30	6.60	6.60	0.57			61.52	67.31	10.47	89.16	91.07
105.0	22-Nov-99	1445	122	West Arsenicker	25.42017	-80.31083	1999.89	BB	IS	0.89	11	1999	1999-11	0.0633	0.0583	0.0051	0.0646	0.3941	0.1279	0.2662	0.0078	0.0010	0.2027	0.9541	6.4285	0.0000	21.40	21.40	24.10	24.00	7.70	7.80	0.35			50.35	211.60	16.34	101.72	102.91
105.0	22-Nov-99	1500	123	Pelican Bank	25.44500	-80.28333	1999.89	BB	MAIN	0.89	11	1999	1999-11	0.0357	0.0330	0.0027	0.0203	1.0656	0.0560	1.0097	0.0061	0.0005	0.0848	0.6985	5.3760	0.0000	25.40	26.80	24.30	23.90	7.00	7.80	0.53			174.05	401.10	9.14	95.12	106.45
105.0	22-Nov-99	1300	124	Midbay South	25.47250	-80.23333	1999.89	BB	MAIN	0.89	11	1999	1999-11	0.0039	0.0033	0.0006	0.0112	0.4520	0.0151	0.4369	0.0044	0.0016	0.0674	0.3450	4.3418	0.0000	31.70	31.80	23.30	23.10	7.20	7.50	0.62			102.32	13.14	3.41	100.72	104.73
105.0	23-Nov-99	1500	126	BNP Marker B	25.67167	-80.20500	1999.89	BB	MAIN	0.89	11	1999	1999-11	0.0100	0.0096	0.0004	0.0077	0.6848	0.0177	0.6672	0.0062	0.0012	0.3093	1.9975	5.0493	0.1399	29.60	30.20	23.40	23.20	6.90	7.20	0.84			110.46	23.26	2.85	95.33	99.62
105.0	22-Nov-99	1100	127	Shoal Point	25.63000	-80.25000	1999.89	BB	IS	0.89	11	1999	1999-11	0.0172	0.0147	0.0026	0.0099	0.5462	0.0271	0.5191	0.0049	0.0011	0.2044	1.9217	5.3093	0.1377	28.10	28.40	22.90	22.60	6.70	7.30	0.48			111.87	39.70	5.55	91.10	99.08
105.0	23-Nov-99	1005	128	Matheson Beach	25.68833	-80.23333	1999.89	BB	IS	0.89	11	1999	1999-11	0.0078	0.0074	0.0005	0.0091	0.6733	0.0170	0.6564	0.0050	0.0009	0.1216	0.9056	4.8238	0.1050	30.80	30.80	23.10	23.10	6.40	6.50	0.79			135.75	32.19	3.42	88.79	90.18
105.0	23-Nov-99	1029	129	Marker G-71	25.73667	-80.18500	1999.89	BB	MAIN	0.89	11	1999	1999-11	0.0190	0.0172	0.0017	0.0226	0.4497	0.0416	0.4081	0.0071	0.0010	0.0891	2.0217	5.0730	0.4572	30.30	33.00	23.90	23.80	5.80	6.30	1.65			63.76	68.77	5.89	80.98	89.41
105.0	23-Nov-99	1045	130	South Dodge Island	25.76333	-80.17167	1999.89	BB	NBAY	0.89	11	1999	1999-11	0.0184	0.0155	0.0030	0.0230	0.3200	0.0414	0.2786	0.0065	0.0010	0.1104	2.0045	4.4133	0.3281	32.10	34.20	24.30	24.30	5.90	6.20	1.45			49.16	68.48	6.36	83.72	89.18
105.0	23-Nov-99	1117	131	North Venetian Basin	25.80000	-80.16667	1999.89	BB	NBAY	0.89	11	1999	1999-11	0.0173	0.0159	0.0014	0.0118	0.4201	0.0291	0.3910	0.0074	0.0010	0.0499	2.9328	4.4798	0.2691	31.80	31.80	23.90	23.90	6.30	6.50	2.85			56.47	48.15	3.91	88.82	91.64
105.0	23-Nov-99	1143	132	North I-195 Basin	25.81667	-80.16667	1999.89	BB	NBAY	0.89	11	1999	1999-11	0.0105	0.0093	0.0012	0.0102	0.4200	0.0208	0.3992	0.0061	0.0006	0.0515	1.3985	4.9615	0.2500	30.60	30.60	23.60	23.50	6.20	6.40	0.67			68.60	95.75	3.39	86.42	89.10
105.0	23-Nov-99	1223	133	North Normandy Isle	25.86667	-80.15000	1999.89	BB	NBAY	0.89	11	1999	1999-11	0.0018	0.0014	0.0004	0.0044	0.6136	0.0062	0.6074	0.0087	0.0007	0.2209	4.4540	4.3898	0.1499	32.70	32.70	23.80	23.40	6.20	6.40	3.58			70.69	21.12	0.72	87.82	90.22
105.0	23-Nov-99	1245	134	Oleta River Park	25.90500	-80.13333	1999.89	BB	NBAY	0.89	11	1999	1999-11	0.0067	0.0050	0.0017	0.0077	0.4449	0.0143	0.4306	0.0081	0.0006	0.1340	4.5156	4.3260	0.1170	33.30	34.30	24.70	24.60	6.30	6.40	1.04			54.67	65.92	1.76	90.50	92.43
105.0	22-Nov-99	1415	135	South Card Sound	25.31667	-80.31667	1999.89	BB	SCARD	0.89	11	1999	1999-11	0.0995	0.0945	0.0050	0.0296	0.5363	0.1291	0.4073	0.0044	0.0004	0.1044	1.2197	6.0465	0.0242	21.90	23.30	23.40	23.30	7.10	7.40	0.46			121.41		29.22	93.30	98.01
106.0	29-Dec-99	0837	101	Convoy Point	25.47833	-80.32083	1999.99	BB	AS	0.99	12	1999	1999-12	0.0911	0.0883	0.0029	0.0037	0.3035	0.0948	0.2087	0.0041	0.0014	0.1409	0.5652	2.9983		26.40	27.70	17.80	18.30	7.60	7.30	0.32			73.48	57.39	22.96	94.85	92.67
106.0	28-Dec-99	1404	102	Black Point	25.54583	-80.29467	1999.99	BB	AS	0.99	12	1999	1999-12	0.0530	0.0500	0.0030	0.0055	0.2997	0.0585	0.2412	0.0039	0.0014	0.1720	0.4409	3.6945		24.20	24.90	10.20	10.30	9.20	9.40	0.50			77.49	21.37	15.13	97.21	100.05
106.0	28-Dec-99	1554	103	Near Black Ledge	25.57333	-80.28667	1999.99	BB	IS	0.99	12	1999	1999-12	0.0161	0.0141	0.0020	0.0025	0.3294	0.0186	0.3108	0.0027	0.0016	0.1620	0.4460	3.5590		25.90	25.90	18.00	18.00	8.40	8.50	0.54			120.42	9.87	6.80	104.83	106.08
106.0	28-Dec-99	0930	104	BNP Marker C	25.60167	-80.22083	1999.99	BB	MAIN	0.99	12	1999	1999-12	0.0168	0.0161	0.0007	0.0001	0.1892	0.0169	0.1723	0.0027	0.0020	0.0385	0.3945	2.1028		34.30	34.30	18.70	18.70	7.70	7.80	0.54			70.16	5.85	6.27	102.84	104.17
106.0	28-Dec-99	0918	108	Marker G-1B	25.56917	-80.19250	1999.99	BB	MAIN	0.99	12	1999	1999-12	0.0163	0.0153	0.0010	0.0020	0.1892	0.0183	0.1709	0.0033	0.0019	0.0344	0.2773	2.0168		34.00	34.00	18.10	18.10	7.60	7.80	0.58			57.05	5.00	5.52	100.34	102.98
106.0	28-Dec-99	0907	109	Midbay North	25.56417	-80.23500	1999.99	BB	MAIN	0.99	12	1999	1999-12	0.0127	0.0121	0.0007	0.0005	0.1658	0.0132	0.1526	0.0029	0.0019	0.0336	0.2783	1.9850		34.80	34.90	18.60	18.70	7.60	7.50	0.59			57.51	4.13	4.58	101.68	100.57
106.0	29-Dec-99	0848	110	Fender Point	25.50500	-80.28750	1999.99	BB	IS	0.99	12	1999	1999-12	0.1008	0.0982	0.0026	0.0030	0.2517	0.1038	0.1479	0.0049	0.0020	0.0830	0.3086	3.5025		28.30	30.10	17.70	18.20	7.30	7.40	0.31			51.07	57.43	21.06	92.13	95.32
106.0	28-Dec-99	0849	111	Featherbed Bank	25.51583	-80.24000	1999.99	BB	MAIN	0.99	12	1999	1999-12	0.0212	0.0203	0.0008	0.0023	0.1938	0.0235	0.1703	0.0037	0.0014	0.0341	0.3379	2.7678		35.30	35.20	18.10	18.20	7.60	7.70	0.72			53.09	6.55	6.44	101.22	102.65
106.0	29-Dec-99	1040	112	Sands Cut	25.48833	-80.18833	1999.99	BB	MAIN	0.99	12	1999	1999-12	0.0175	0.0167	0.0008	0.0012	0.1738	0.0187	0.1550	0.0027	0.0009	0.0375	0.3591	2.8250		34.60	34.60	17.90	17.90	7.30	7.30	0.69			64.06	5.34	6.91	96.46	96.46
106.0	29-Dec-99	1025	113	Elliott Key	25.44167	-80.22333	1999.99	BB	MAIN	0.99	12	1999	1999-12	0.0291	0.0280	0.0011	0.0060	0.1905	0.0352	0.1553	0.0025	0.0014	0.0427	0.4995	2.8950		34.10	34.10	18.00	18.00	7.30	7.20	0.90			75.26	10.98	13.89	96.29	94.97
106.0	29-Dec-99	0930	116	Rubicon Keys	25.40000	-80.25500	1999.99	BB	MAIN	0.99	12	1999	1999-12	0.0292	0.0284	0.0008	0.0009	0.2541	0.0301	0.2240	0.0030	0.0014	0.0507	0.4147	3.3263		32.70	33.40	18.00	18.20	7.10	7.00	0.92			84.89	6.77	10.05	92.77	92.19
106.0	29-Dec-99	0944	121	North Card Sound	25.35500	-80.29167	1999.99	BB	SCARD	0.99	12	1999	1999-12	0.0236	0.0226	0.0011	0.0043	0.2754	0.0279	0.2475	0.0035	0.0011	0.0539	0.3773	3.9395		30.40	31.30	18.60	18.40	7.10	7.20	0.47			77.76	8.13	7.88	92.23	93.79
106.0	29-Dec-99	0915	122	West Arsenicker	25.42017	-80.31083	1999.99	BB	IS	0.99	12	1999	1999-12	0.0242	0.0232	0.0009	0.0053	0.3212	0.0295	0.2918	0.0037	0.0007	0.1990	0.5490	4.1248		27.70	28.10	17.60	17.80	7.40	7.60	0.60			87.26	23.31	8.01	92.86	95.95
106.0	29-Dec-99	0903	123	Pelican Bank	25.44500	-80.28333	1999.99	BB	MAIN	0.99	12	1999	1999-12	0.0508	0.0495	0.0013	0.0091	0.2782	0.0599	0.2183	0.0052	0.0006	0.0561	0.4389	3.3718		30.70	30.70	17.90	17.90	7.20	7.00	0.47			53.81	23.20	11.59	92.66	90.09
106.0	29-Dec-99	1114	124	Midbay South	25.47250	-80.23333	1999.99	BB	MAIN	0.99	12	1999	1999-12	0.0565	0.0553	0.0013	0.0035	0.2581	0.0600	0.1981	0.0033	0.0003	0.0422	0.3561	3.4100		32.60	34.20	18.20	18.70	6.90	7.00	0.42			77.45	30.56	18.00	90.39	93.43
106.0	28-Dec-99	0940	126	BNP Marker B	25.67167	-80.20500	1999.99	BB	MAIN	0.99	12	1999	1999-12	0.0277	0.0268	0.0009	0.0040	0.2525	0.0317	0.2208	0.0029	0.0003	0.0442	0.4995	3.5355		31.60	33.50	19.20	19.90	7.70	7.40	0.39			85.74	16.83	10.77	101.77	100.10
106.0	28-Dec-99	1537	127	Shoal Point	25.63000	-80.25000	1999.99	BB	IS	0.99	12	1999	1999-12	0.0075	0.0069	0.0005	0.0010	0.2214	0.0084	0.2130	0.0035	0.0004	0.0458	0.5167	3.6755		31.40	33.00	19.40	19.40	7.20	7.40	0.30			63.98	5.93	2.43	95.33	99.03
106.0	28-Dec-99	1523	128	Matheson Beach	25.68833	-80.23333	1999.99	BB	IS	0.99	12	1999	1999-12	0.0059	0.0052	0.0007	0.0044	0.2908	0.0103	0.2805	0.0036	0.0002	0.0462	0.6925	3.7953		30.50	32.20	19.50	20.00	7.20	7.50	0.32			81.76	5.49	2.91	94.90	100.73
106.0	28-Dec-99	1002	129	Marker G-71	25.73667	-80.18500	1999.99	BB	MAIN	0.99	12	1999	1999-12	0.0101	0.0086	0.0015	0.0077	0.3141	0.0179	0.2962	0.0050	0.0004	0.0666	1.0924	3.7778		32.20	33.90	19.40	20.50	7.70	7.50	0.78			62.25	7.36	3.54	102.49	102.61
106.0	28-Dec-99	1024	130	South Dodge Island	25.76333	-80.17167	1999.99	BB	NBAY	0.99	12	1999	1999-12	0.0551	0.0515	0.0036	0.0358	0.3756	0.0909	0.2847	0.0042	0.0012	0.0304	1.7379	2.4808		30.10	33.80	20.70	20.40	6.70	7.10	1.17			89.74	41.41	21.72	89.63	96.93
106.0	28-Dec-99	1143	131	North Venetian Basin	25.80000	-80.16667	1999.99	BB	NBAY	0.99	12	1999	1999-12	0.0262	0.0242	0.0020	0.0095	0.2482	0.0356	0.2126	0.0037	0.0006	0.0219	1.9884	3.5313		33.00	33.40	20.60	20.40	6.90	7.10	1.11			66.73	9.72	9.58	93.97	96.67
106.0	28-Dec-99	1156	132	North I-195 Basin	25.81667	-80.16667	1999.99	BB	NBAY	0.99	12	1999	1999-12	0.0161	0.0140	0.0021	0.0065	0.2666	0.0226	0.2440	0.0043	0.0006	0.0243	2.0561	2.7850		32.40	32.20	19.70	19.70	7.50	7.70	1.33			61.42	7.41	5.21	100.41	102.96
106.0	28-Dec-99	1223	133	North Normandy Isle	25.86667	-80.15000	1999.99	BB	NBAY	0.99	12	1999	1999-12	0.0536	0.0486	0.0050	0.0184	0.2827	0.0719	0.2107	0.0053	0.0010	0.0703	3.3015	2.9325		31.90	33.50	18.70	19.70	7.40	7.10	1.45			52.86	33.98	13.45	97.25	95.76
106.0	28-Dec-99	1239	134	Oleta River Park	25.90500	-80.13333	1999.99	BB	NBAY	0.99	12	1999	1999-12	0.0285	0.0258	0.0027	0.0091	0.3402	0.0376	0.3026	0.0051	0.0009	0.0304	3.3197	2.2525		33.90	35.10	21.20	22.70	6.80	6.60	1.06			66.51	13.35	7.35	93.94	93.71
106.0	29-Dec-99	0955	135	South Card Sound	25.31667	-80.31667	1999.99	BB	SCARD	0.99	12	1999	1999-12	0.0085	0.0070	0.0015	0.0100	0.3508	0.0185	0.3323	0.0022	0.0008	0.0476	0.4157	4.3223		28.10	31.10	18.50	19.00	7.30	7.10	0.30			161.65	14.63	8.52	93.22	93.24
107.0	29-Jan-00	1154	101	Convoy Point	25.47833	-80.32083	2000.07	BB	AS	0.07	01	2000	2000-01	0.0431	0.0424	0.0007	0.0019	0.3630	0.0451	0.3179	0.0066	0.0017	0.1888	0.2773	4.1968	0.0421	27.50	27.50	18.40	18.20	8.50	8.50	0.52			122.01	57.38	15.15	107.93	107.58
107.0	29-Jan-00	1217	102	Black Point	25.54583	-80.29467	2000.07	BB	AS	0.07	01	2000	2000-01	0.0179	0.0171	0.0008	0.0023	0.3710	0.0202	0.3508	0.0066	0.0016	0.2405	0.2945	4.3260	0.0252	27.70	28.30	18.70	18.30	8.30	9.30	0.27			123.68	28.21	6.73	106.04	118.54
107.0	29-Jan-00	1327	103	Near Black Ledge	25.57333	-80.28667	2000.07	BB	IS	0.07	01	2000	2000-01	0.0031	0.0030	0.0002	0.0025	0.3213	0.0056	0.3157	0.0070	0.0020	0.2270	0.2123	4.4815	0.1149	30.30	30.30	18.60	18.50	8.10	8.30	0.49			101.12	6.28	1.76	105.14	107.57
107.0	28-Jan-00	1113	104	BNP Marker C	25.60167	-80.22083	2000.07	BB	MAIN	0.07	01	2000	2000-01	0.0043	0.0038	0.0005	0.0017	0.2670	0.0059	0.2611	0.0074	0.0019	0.1105	0.2570	2.8908	0.0043	35.60	35.60	16.60	16.60	6.80	6.90	0.13			79.99	6.94	1.78	88.52	89.82
107.0	28-Jan-00	1100	108	Marker G-1B	25.56917	-80.19250	2000.07	BB	MAIN	0.07	01	2000	2000-01	0.0007	0.0000	0.0007	0.0018	0.1638	0.0024	0.1613	0.0068	0.0003	0.0625	0.2194	2.7725	0.0254	34.90	34.90	16.00	16.00	7.20	7.20	0.11			53.18	15.74	0.79	92.31	92.31
107.0	28-Jan-00	1049	109	Midbay North	25.56417	-80.23500	2000.07	BB	MAIN	0.07	01	2000	2000-01	0.0004	0.0000	0.0004	0.0012	0.1820	0.0016	0.1803	0.0077	0.0004	0.0725	0.2549	2.8573	0.0000	35.10	35.10	16.50	16.50	6.80	6.80	0.07			52.26	8.62	0.47	88.07	88.07
107.0	29-Jan-00	1217	110	Fender Point	25.50500	-80.28750	2000.07	BB	IS	0.07	01	2000	2000-01	0.0194	0.0185	0.0010	0.0081	0.2985	0.0276	0.2709	0.0075	0.0003	0.1166	0.1900	3.8260	0.0000	29.20	32.00	18.20	17.70	7.50	8.00	0.51			87.83	54.55	8.11	96.02	103.53
107.0	28-Jan-00	1037	111	Featherbed Bank	25.51583	-80.24000	2000.07	BB	MAIN	0.07	01	2000	2000-01	0.0004	0.0002	0.0003	0.0024	0.1600	0.0028	0.1572	0.0056	0.0011	0.0615	0.2215	2.6590	0.0000	35.50	35.50	16.10	16.10	6.70	6.70	0.10			63.15	5.52	1.10	86.41	86.41
107.0	28-Jan-00	1022	112	Sands Cut	25.48833	-80.18833	2000.07	BB	MAIN	0.07	01	2000	2000-01	0.0006	0.0006	0.0001	0.0031	0.1243	0.0037	0.1206	0.0062	0.0009	0.0448	0.1454	2.7345	0.0034	35.70	35.70	15.70	15.70	6.90	6.90	0.08			44.41	9.33	1.33	88.48	88.48
107.0	28-Jan-00	0959	113	Elliott Key	25.44167	-80.22333	2000.07	BB	MAIN	0.07	01	2000	2000-01	0.0037	0.0031	0.0006	0.0085	0.2016	0.0123	0.1894	0.0052	0.0004	0.1006	0.2935	3.1635	0.0304	34.60	34.60	16.20	16.20	6.60	6.70	0.12			85.35	64.46	5.20	84.74	86.03
107.0	28-Jan-00	0859	116	Rubicon Keys	25.40000	-80.25500	2000.07	BB	MAIN	0.07	01	2000	2000-01	0.0068	0.0062	0.0006	0.0064	0.1973	0.0131	0.1842	0.0060	0.0003	0.0691	0.3879	3.2998	0.0002	32.70	32.80	15.90	15.90	6.90	6.90	0.14			73.21	13.21	4.88	86.99	87.04
107.0	28-Jan-00	0913	121	North Card Sound	25.35500	-80.29167	2000.07	BB	SCARD	0.07	01	2000	2000-01	0.0062	0.0048	0.0014	0.0077	0.2304	0.0139	0.2164	0.0070	0.0002	0.1029	0.3422	3.7418	0.0000	32.40	32.40	16.60	16.60	6.90	6.90	0.08			72.99	11.89	4.41	87.89	87.89
107.0	28-Jan-00	0844	122	West Arsenicker	25.42017	-80.31083	2000.07	BB	IS	0.07	01	2000	2000-01	0.0103	0.0087	0.0016	0.0252	0.2642	0.0355	0.2287	0.0065	0.0014	0.2257	0.4132	4.0455	0.0009	29.40	29.40	15.70	15.70	7.20	7.20	0.10			89.93	19.71	12.08	88.42	88.42
107.0	28-Jan-00	0829	123	Pelican Bank	25.44500	-80.28333	2000.07	BB	MAIN	0.07	01	2000	2000-01	0.0197	0.0164	0.0033	0.0112	0.2610	0.0309	0.2301	0.0082	0.0031	0.0937	0.3280	3.6358	0.0214	30.80	30.90	15.50	15.60	7.30	7.30	0.08			70.19	22.38	8.31	90.18	90.41
107.0	28-Jan-00	1012	124	Midbay South	25.47250	-80.23333	2000.07	BB	MAIN	0.07	01	2000	2000-01	0.0043	0.0022	0.0021	0.0090	0.1625	0.0134	0.1492	0.0073	0.0010	0.0733	0.2884	2.9845	0.0000	35.40	35.40	16.50	16.50	6.60	6.70	0.08			49.40	30.68	4.06	85.65	86.95
107.0	28-Jan-00	1146	126	BNP Marker B	25.67167	-80.20500	2000.07	BB	MAIN	0.07	01	2000	2000-01	0.0066	0.0052	0.0013	0.0047	0.1670	0.0113	0.1557	0.0072	0.0008	0.0969	0.6192	3.2708	0.0708	34.00	34.00	16.70	16.70	6.70	6.90	0.09			51.52	14.38	3.48	86.42	89.00
107.0	28-Jan-00	1131	127	Shoal Point	25.63000	-80.25000	2000.07	BB	IS	0.07	01	2000	2000-01	0.0026	0.0000	0.0026	0.0062	0.1496	0.0088	0.1409	0.0057	0.0001	0.0761	0.2965	3.2058	0.0001	34.40	34.40	17.00	17.00	6.70	6.80	0.05			58.41	20.17	3.43	87.10	88.40
107.0	28-Jan-00	1200	128	Matheson Beach	25.68833	-80.23333	2000.07	BB	IS	0.07	01	2000	2000-01	0.0096	0.0077	0.0019	0.0076	0.1991	0.0171	0.1820	0.0068	0.0000	0.0588	0.7481	3.8773	0.0090	31.40	31.50	16.70	16.70	7.00	7.20	0.06			65.09	22.84	5.60	88.71	91.30
107.0	28-Jan-00	1320	129	Marker G-71	25.73667	-80.18500	2000.07	BB	MAIN	0.07	01	2000	2000-01	0.0063	0.0045	0.0018	0.0088	0.1485	0.0151	0.1333	0.0087	0.0014	0.0879	2.0072	3.5638	0.1794	33.90	33.90	18.50	18.50	6.20	6.40	0.11			37.61	24.81	3.84	82.32	84.98
107.0	28-Jan-00	1336	130	South Dodge Island	25.76333	-80.17167	2000.07	BB	NBAY	0.07	01	2000	2000-01	0.0058	0.0028	0.0030	0.0166	0.1534	0.0224	0.1311	0.0095	0.0010	0.0430	1.8347	2.8610	0.1189	35.00	35.00	19.60	19.60	6.10	6.10	0.06			35.72	47.60	5.21	82.98	82.98
107.0	28-Jan-00	1539	131	North Venetian Basin	25.80000	-80.16667	2000.07	BB	NBAY	0.07	01	2000	2000-01	0.0040	0.0020	0.0019	0.0126	0.1992	0.0166	0.1826	0.0091	0.0003	0.0942	2.8646	3.5878	0.1556	34.00	34.00	18.70	18.70	7.30	7.50	0.08			48.25	137.70	4.02	97.30	99.96
107.0	28-Jan-00	1605	132	North I-195 Basin	25.81667	-80.16667	2000.07	BB	NBAY	0.07	01	2000	2000-01	0.0012	0.0000	0.0012	0.0111	0.1990	0.0123	0.1867	0.0077	0.0005	0.0651	1.1509	4.0898	0.0872	32.80	32.80	17.60	17.50	8.60	8.70	0.01			57.17	20.18	3.54	111.71	112.82
107.0	28-Jan-00	1633	133	North Normandy Isle	25.86667	-80.15000	2000.07	BB	NBAY	0.07	01	2000	2000-01	0.0025	0.0000	0.0025	0.0146	0.1684	0.0171	0.1513	0.0104	0.0014	0.1289	2.6150	3.1768	0.1777	34.60	34.60	17.80	17.80	7.50	7.50	0.16			35.98	26.46	3.65	98.94	98.94
107.0	28-Jan-00	1644	134	Oleta River Park	25.90500	-80.13333	2000.07	BB	NBAY	0.07	01	2000	2000-01	0.0028	0.0000	0.0028	0.0144	0.1419	0.0172	0.1247	0.0094	0.0011	0.0658	3.8985	2.8763	0.0227	35.60	35.80	20.80	21.20	7.40	7.20	0.10			33.38	34.06	4.05	102.82	100.72
107.0	28-Jan-00	0924	135	South Card Sound	25.31667	-80.31667	2000.07	BB	SCARD	0.07	01	2000	2000-01	0.0030	0.0012	0.0018	0.0185	0.2230	0.0215	0.2015	0.0062	0.0003	0.1158	0.5725	5.1880	0.0396	29.00	31.20	16.40	17.40	7.00	6.90	0.04			79.35	22.36	7.64	86.81	88.37
108.0	21-Feb-00	1505	101	Convoy Point	25.47833	-80.32083	2000.14	BB	AS	0.14	02	2000	2000-02	0.0127	0.0124	0.0002	0.0046	0.2323	0.0173	0.2151	0.0062	0.0022	0.3331	1.2933	4.3540		28.30	28.20	24.80	24.80	8.40	8.20	0.59			83.29	11.70	6.19	116.96	114.10
108.0	22-Feb-00	1555	102	Black Point	25.54583	-80.29467	2000.14	BB	AS	0.14	02	2000	2000-02	0.0086	0.0091	0.0000	0.0021	0.2940	0.0107	0.2833	0.0058	0.0042	0.5174	1.2850	5.7893		27.80	27.70	21.80	21.80	7.70	7.70	0.79			112.30	4.56	4.09	103.01	102.94
108.0	22-Feb-00	1545	103	Near Black Ledge	25.57333	-80.28667	2000.14	BB	IS	0.14	02	2000	2000-02	0.0067	0.0070	0.0000	0.0028	0.2331	0.0095	0.2235	0.0064	0.0023	0.3220	1.2420	3.9603		31.30	31.20	22.30	22.30	7.50	7.40	0.89			80.42	6.31	3.29	103.34	101.90
108.0	22-Feb-00	0905	104	BNP Marker C	25.60167	-80.22083	2000.14	BB	MAIN	0.14	02	2000	2000-02	0.0051	0.0049	0.0001	0.0022	0.1879	0.0073	0.1807	0.0046	0.0031	0.0786	1.0735	3.7170		35.30	35.30	22.90	22.90	6.80	6.80	1.40			90.39	3.90	3.49	96.91	96.91
108.0	22-Feb-00	0845	108	Marker G-1B	25.56917	-80.19250	2000.14	BB	MAIN	0.14	02	2000	2000-02	0.0025	0.0026	0.0000	0.0023	0.1945	0.0048	0.1897	0.0060	0.0019	0.0728	1.0104	3.0120		35.00	35.10	22.10	22.10	6.40	6.40	0.93			71.24	3.60	1.76	90.12	90.18
108.0	22-Feb-00	0825	109	Midbay North	25.56417	-80.23500	2000.14	BB	MAIN	0.14	02	2000	2000-02	0.0009	0.0009	0.0000	0.0016	0.1636	0.0025	0.1611	0.0069	0.0000	0.0862	0.9701	3.6055		35.90	35.70	22.80	22.80	6.80	6.60	0.83			52.45	5.34	0.79	97.17	94.19
108.0	21-Feb-00	1445	110	Fender Point	25.50500	-80.28750	2000.14	BB	IS	0.14	02	2000	2000-02	0.0225	0.0209	0.0016	0.0091	0.2592	0.0316	0.2276	0.0070	0.0012	0.1956	1.2530	4.3518		31.40	31.40	24.60	24.60	7.50	7.60	0.56			81.92	18.73	9.98	106.30	107.72
108.0	21-Feb-00	1430	111	Featherbed Bank	25.51583	-80.24000	2000.14	BB	MAIN	0.14	02	2000	2000-02	0.0141	0.0140	0.0001	0.0020	0.1351	0.0161	0.1190	0.0053	0.0012	0.1336	0.9884	3.1855		35.90	35.90	24.60	24.60	7.50	7.50	0.83			55.94	15.78	6.67	109.44	109.44
108.0	21-Feb-00	1250	112	Sands Cut	25.48833	-80.18833	2000.14	BB	MAIN	0.14	02	2000	2000-02	0.0082	0.0081	0.0002	0.0021	0.1566	0.0103	0.1463	0.0055	0.0022	0.0852	1.0708	3.0703		35.80	35.80	24.30	24.30	7.10	7.10	1.00			63.18	7.15	4.16	103.19	103.19

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
108.0	21-Feb-00	1200	113	Elliott Key	25.44167	-80.22333	2000.14	BB	MAIN	0.14	02	2000	2000-02	0.0015	0.0000	0.0015	0.0090	0.1933	0.0106	0.1827	0.0057	0.0009	0.1143	1.0516	3.8368		35.50	35.40	23.80	23.80	8.20	8.30	0.97			74.83	12.51	4.10	118.28	119.64
108.0	21-Feb-00	1030	116	Rubicon Keys	25.40000	-80.25500	2000.14	BB	MAIN	0.14	02	2000	2000-02	0.0065	0.0060	0.0005	0.0030	0.2239	0.0095	0.2144	0.0069	0.0009	0.1840	1.5047	3.1380		35.30	35.30	23.90	23.90	7.90	7.90	1.92			71.54	11.23	3.03	113.93	113.93
108.0	21-Feb-00	1045	121	North Card Sound	25.35500	-80.29167	2000.14	BB	SCARD	0.14	02	2000	2000-02	0.0065	0.0065	0.0000	0.0042	0.2159	0.0108	0.2052	0.0064	0.0014	0.1782	1.5661	4.1338		33.90	33.90	23.90	24.00	7.90	8.10	1.08			74.88	9.89	3.74	112.90	115.89
108.0	21-Feb-00	1005	122	West Arsenicker	25.42017	-80.31083	2000.14	BB	IS	0.14	02	2000	2000-02	0.0057	0.0050	0.0007	0.0062	0.1871	0.0118	0.1753	0.0057	0.0016	0.3156	1.1697	4.9458		32.00	32.00	23.70	23.70	8.40	8.30	0.88			72.54	10.20	4.59	118.30	116.89
108.0	21-Feb-00	0950	123	Pelican Bank	25.44500	-80.28333	2000.14	BB	MAIN	0.14	02	2000	2000-02	0.0105	0.0092	0.0013	0.0110	0.2537	0.0215	0.2322	0.0058	0.0001	0.1762	1.1569	3.4658		32.60	32.60	23.80	23.80	8.10	8.00	0.74			96.39	25.42	8.17	114.65	113.24
108.0	21-Feb-00	1225	124	Midbay South	25.47250	-80.23333	2000.14	BB	MAIN	0.14	02	2000	2000-02	0.0006	0.0000	0.0006	0.0099	0.2105	0.0105	0.2000	0.0050	0.0026	0.1046	1.0452	2.8818		35.00	35.00	23.90	23.90	6.80	6.90	0.91			93.25	6.50	4.65	97.88	99.32
108.0	22-Feb-00	0958	126	BNP Marker B	25.67167	-80.20500	2000.14	BB	MAIN	0.14	02	2000	2000-02	0.0021	0.0019	0.0003	0.0041	0.2203	0.0062	0.2141	0.0067	0.0025	0.1361	1.3418	2.9788		34.80	34.80	22.60	22.60	6.80	6.80	1.40			72.86	3.92	2.05	96.24	96.24
108.0	22-Feb-00	0932	127	Shoal Point	25.63000	-80.25000	2000.14	BB	IS	0.14	02	2000	2000-02	0.0020	0.0011	0.0009	0.0067	0.2382	0.0087	0.2295	0.0055	0.0020	0.1437	1.0717	2.8993		34.20	34.30	22.80	22.90	6.60	6.80	0.44			95.98	6.34	3.50	93.27	96.28
108.0	22-Feb-00	1010	128	Matheson Beach	25.68833	-80.23333	2000.14	BB	IS	0.14	02	2000	2000-02	0.0007	0.0000	0.0007	0.0069	0.2848	0.0075	0.2772	0.0062	0.0021	0.1342	1.4205	3.5208		32.40	32.40	22.60	22.60	6.80	6.90	0.69			101.70	5.36	2.69	94.74	96.13
108.0	22-Feb-00	1030	129	Marker G-71	25.73667	-80.18500	2000.14	BB	MAIN	0.14	02	2000	2000-02	0.0075	0.0058	0.0017	0.0082	0.2476	0.0157	0.2319	0.0079	0.0014	0.0690	2.1950	3.2200		33.50	33.40	23.10	23.10	6.60	6.60	1.32			69.48	14.39	4.40	93.19	93.13
108.0	22-Feb-00	1050	130	South Dodge Island	25.76333	-80.17167	2000.14	BB	NBAY	0.14	02	2000	2000-02	0.0035	0.0008	0.0027	0.0099	0.1113	0.0135	0.0978	0.0061	0.0012	0.0402	1.8892	2.2568		35.30	35.30	23.10	23.20	6.60	6.60	0.69			40.52	13.68	4.91	94.29	94.40
108.0	22-Feb-00	1310	131	North Venetian Basin	25.80000	-80.16667	2000.14	BB	NBAY	0.14	02	2000	2000-02	0.0078	0.0056	0.0022	0.0123	0.3261	0.0201	0.3059	0.0120	0.0009	0.0767	3.2597	4.8028		32.80	32.80	22.90	22.90	6.70	6.70	1.54			59.95	22.86	3.70	93.94	93.94
108.0	22-Feb-00	1322	132	North I-195 Basin	25.81667	-80.16667	2000.14	BB	NBAY	0.14	02	2000	2000-02	0.0046	0.0029	0.0016	0.0088	0.2931	0.0133	0.2797	0.0141	0.0004	0.0901	2.8057	4.7785		32.20	32.20	23.00	23.00	6.90	6.90	0.97			46.03	20.94	2.09	96.48	96.48
108.0	22-Feb-00	1350	133	North Normandy Isle	25.86667	-80.15000	2000.14	BB	NBAY	0.14	02	2000	2000-02	0.0079	0.0060	0.0019	0.0167	0.3208	0.0245	0.2963	0.0153	0.0004	0.1457	3.9656	3.4353		33.70	33.70	23.00	23.00	6.40	6.40	3.49			46.53	38.61	3.56	90.37	90.37
108.0	22-Feb-00	1410	134	Oleta River Park	25.90500	-80.13333	2000.14	BB	NBAY	0.14	02	2000	2000-02	0.0024	0.0000	0.0024	0.0095	0.2073	0.0119	0.1954	0.0026	0.0006	0.1514	2.8258	2.4805		35.70	35.70	23.10	23.10	6.50	6.60	1.58			176.27	16.08	10.13	93.10	94.54
108.0	21-Feb-00	1100	135	South Card Sound	25.31667	-80.31667	2000.14	BB	SCARD	0.14	02	2000	2000-02	0.0015	0.0000	0.0015	0.0090	0.3463	0.0105	0.3357	0.0056	0.0008	0.1510	1.0552	4.0983		31.20	31.40	24.10	24.30	9.00	9.50	0.44			136.09	13.01	4.14	126.68	134.20
109.0	14-Mar-00	1435	101	Convoy Point	25.47833	-80.32083	2000.20	BB	AS	0.20	03	2000	2000-03	0.0075	0.0067	0.0008	0.0094	0.2846	0.0168	0.2678	0.0030	0.0029	0.2963	1.2008	4.4523		28.80	28.80	22.90	22.90	7.30	7.40	0.86			210.13	12.87	12.44	99.71	101.08
109.0	14-Mar-00	1403	102	Black Point	25.54583	-80.29467	2000.20	BB	AS	0.20	03	2000	2000-03	0.0094	0.0092	0.0001	0.0013	0.2357	0.0106	0.2251	0.0029	0.0029	0.2546	1.1138	3.6690		32.60	32.50	22.80	22.90	8.20	8.20	0.68			182.99	8.11	8.24	114.68	114.75
109.0	14-Mar-00	1353	103	Near Black Ledge	25.57333	-80.28667	2000.20	BB	IS	0.20	03	2000	2000-03	0.0092	0.0084	0.0008	0.0022	0.2056	0.0114	0.1942	0.0028	0.0022	0.1810	1.1843	3.2610		34.10	34.00	23.00	23.00	7.50	7.50	0.75			162.74	11.45	9.01	106.18	106.11
109.0	14-Mar-00	1241	104	BNP Marker C	25.60167	-80.22083	2000.20	BB	MAIN	0.20	03	2000	2000-03	0.0048	0.0034	0.0014	0.0000	0.1457	0.0044	0.1412	0.0028	0.0033	0.0652	1.0836	2.1485		36.70	36.70	23.00	23.00	6.70	6.80	1.59			114.65	3.21	3.75	96.48	97.92
109.0	14-Mar-00	1208	108	Marker G-1B	25.56917	-80.19250	2000.20	BB	MAIN	0.20	03	2000	2000-03	0.0053	0.0036	0.0017	0.0000	0.1296	0.0053	0.1244	0.0029	0.0031	0.0544	0.9747	1.9515		37.00	36.90	22.70	22.70	7.00	7.00	0.88			100.64	3.72	4.08	100.63	100.56
109.0	14-Mar-00	1144	109	Midbay North	25.56417	-80.23500	2000.20	BB	MAIN	0.20	03	2000	2000-03	0.0042	0.0040	0.0002	0.0000	0.1182	0.0042	0.1140	0.0025	0.0016	0.0793	0.9728	1.9745		37.00	37.00	23.10	23.10	6.90	6.90	1.09			105.58	5.90	3.76	99.68	99.68
109.0	14-Mar-00	1415	110	Fender Point	25.50500	-80.28750	2000.20	BB	IS	0.20	03	2000	2000-03	0.0049	0.0047	0.0002	0.0013	0.1711	0.0062	0.1649	0.0025	0.0014	0.0846	1.0873	2.5180		35.20	35.20	23.00	23.00	6.80	6.80	0.95			153.77	9.69	5.61	96.97	96.97
109.0	14-Mar-00	1129	111	Featherbed Bank	25.51583	-80.24000	2000.20	BB	MAIN	0.20	03	2000	2000-03	0.0038	0.0036	0.0002	0.0000	0.1073	0.0051	0.1022	0.0027	0.0024	0.0769	1.0131	2.1195		37.10	37.10	22.70	22.70	6.90	7.00	1.04			89.64	3.42	3.14	99.26	100.70
109.0	14-Mar-00	1114	112	Sands Cut	25.48833	-80.18833	2000.20	BB	MAIN	0.20	03	2000	2000-03	0.0020	0.0019	0.0001	0.0007	0.1134	0.0027	0.1107	0.0025	0.0024	0.0658	1.0671	1.9930		37.00	36.90	22.40	22.40	6.80	6.80	0.76			98.68	2.58	2.38	97.39	97.33
109.0	14-Mar-00	1042	113	Elliott Key	25.44167	-80.22333	2000.20	BB	MAIN	0.20	03	2000	2000-03	0.0036	0.0031	0.0005	0.0050	0.0980	0.0086	0.0894	0.0022	0.0024	0.0800	1.0470	2.4155		36.90	36.80	22.90	22.90	6.80	6.80	0.92			100.35	7.84	8.83	97.93	97.87
109.0	14-Mar-00	945	116	Rubicon Keys	25.40000	-80.25500	2000.20	BB	MAIN	0.20	03	2000	2000-03	0.0029	0.0029	0.0001	0.0036	0.1891	0.0065	0.1826	0.0028	0.0014	0.1107	1.1733	2.5398		36.50	36.50	22.70	22.80	6.60	6.70	1.53			152.27	10.12	5.25	94.57	96.12
109.0	14-Mar-00	958	121	North Card Sound	25.35500	-80.29167	2000.20	BB	SCARD	0.20	03	2000	2000-03	0.0013	0.0011	0.0002	0.0023	0.3197	0.0036	0.3160	0.0027	0.0015	0.1153	1.0754	3.0100		35.20	35.20	22.90	22.90	6.50	6.40	1.07			264.72	5.32	2.99	92.58	91.15
109.0	14-Mar-00	930	122	West Arsenicker	25.42017	-80.31083	2000.20	BB	IS	0.20	03	2000	2000-03	0.0054	0.0049	0.0004	0.0051	0.2661	0.0105	0.2556	0.0031	0.0018	0.3227	1.0662	3.9075		34.80	34.80	22.20	22.20	6.60	6.70	1.35			191.98	12.79	7.56	92.94	94.34
109.0	14-Mar-00	915	123	Pelican Bank	25.44500	-80.28333	2000.20	BB	MAIN	0.20	03	2000	2000-03	0.0082	0.0077	0.0004	0.0054	0.2375	0.0136	0.2239	0.0042	0.0020	0.1186	1.1541	2.5325		35.10	34.80	22.40	22.50	6.60	6.60	1.13			124.94	15.25	7.13	93.36	93.29
109.0	14-Mar-00	1057	124	Midbay South	25.47250	-80.23333	2000.20	BB	MAIN	0.20	03	2000	2000-03	0.0005	0.0004	0.0001	0.0040	0.1829	0.0045	0.1784	0.0032	0.0015	0.1006	1.0113	2.2515		36.50	36.40	22.90	22.90	6.80	6.80	0.98			124.71	6.61	3.06	97.67	97.61
109.0	14-Mar-00	1306	126	BNP Marker B	25.67167	-80.20500	2000.20	BB	MAIN	0.20	03	2000	2000-03	0.0018	0.0017	0.0001	0.0026	0.1757	0.0044	0.1713	0.0035	0.0013	0.0951	1.3271	2.4575		35.40	35.40	23.30	23.30	6.90	6.90	1.98			112.06	7.26	2.82	98.88	98.88
109.0	14-Mar-00	1337	127	Shoal Point	25.63000	-80.25000	2000.20	BB	IS	0.20	03	2000	2000-03	0.0020	0.0014	0.0006	0.0048	0.1854	0.0069	0.1786	0.0031	0.0018	0.1229	1.1578	2.5475		34.70	34.70	23.10	23.10	7.00	7.00	1.04			134.57	8.39	4.99	99.61	99.61
109.0	14-Mar-00	1318	128	Matheson Beach	25.68833	-80.23333	2000.20	BB	IS	0.20	03	2000	2000-03	0.0011	0.0008	0.0002	0.0033	0.1738	0.0043	0.1695	0.0033	0.0013	0.0751	1.2594	2.7610		34.40	34.40	23.00	23.00	6.90	7.00	1.33			116.85	7.09	2.90	97.88	99.30
109.0	15-Mar-00	1058	129	Marker G-71	25.73667	-80.18500	2000.20	BB	MAIN	0.20	03	2000	2000-03	0.0026	0.0020	0.0006	0.0054	0.1983	0.0080	0.1903	0.0056	0.0010	0.0824	1.7583	2.1868		35.80	35.90	22.90	22.90	6.60	6.70	2.26			78.47	18.49	3.18	94.37	95.86
109.0	15-Mar-00	1105	130	South Dodge Island	25.76333	-80.17167	2000.20	BB	NBAY	0.20	03	2000	2000-03	0.0051	0.0038	0.0013	0.0110	0.2129	0.0160	0.1969	0.0060	0.0017	0.0979	1.9661	2.5225		34.80	34.90	22.90	22.90	6.60	6.60	3.16			78.60	20.46	5.92	93.75	93.82
109.0	15-Mar-00	1124	131	North Venetian Basin	25.80000	-80.16667	2000.20	BB	NBAY	0.20	03	2000	2000-03	0.0078	0.0069	0.0009	0.0128	0.3034	0.0207	0.2828	0.0085	0.0022	0.0651	2.3259	3.0165		33.70	33.70	22.90	22.90	6.60	6.60	2.38			78.82	20.82	5.38	93.08	93.08
109.0	15-Mar-00	1133	132	North I-195 Basin	25.81667	-80.16667	2000.20	BB	NBAY	0.20	03	2000	2000-03	0.0009	0.0006	0.0003	0.0058	0.1905	0.0067	0.1837	0.0061	0.0017	0.1135	1.7025	3.2958		33.90	33.90	22.60	22.60	7.00	7.20	0.82			68.97	8.58	2.44	98.49	101.30
109.0	15-Mar-00	1200	133	North Normandy Isle	25.86667	-80.15000	2000.20	BB	NBAY	0.20	03	2000	2000-03	0.0061	0.0044	0.0017	0.0227	0.2600	0.0288	0.2312	0.0122	0.0019	0.0737	2.9256	3.3973		33.40	33.40	23.30	23.30	6.70	6.70	6.21			47.08	33.74	5.22	94.77	94.77
109.0	15-Mar-00	1219	134	Oleta River Park	25.90500	-80.13333	2000.20	BB	NBAY	0.20	03	2000	2000-03	0.0103	0.0081	0.0021	0.0180	0.1691	0.0282	0.1408	0.0076	0.0019	0.0589	2.9723	2.6080		34.20	34.60	23.80	23.70	6.40	6.50	2.76			48.99	33.04	8.18	91.54	93.10
109.0	15-Mar-00	1002	135	South Card Sound	25.31667	-80.31667	2000.20	BB	SCARD	0.20	03	2000	2000-03	0.0006	0.0001	0.0005	0.0052	0.1711	0.0058	0.1653	0.0037	0.0016	0.0819	1.0772	2.9868		34.10	34.10	23.20	23.20	6.70	6.70	0.45			103.12	8.10	3.49	95.09	95.09
110.0	19-Apr-00	1642	101	Convoy Point	25.47833	-80.32083	2000.30	BB	AS	0.30	04	2000	2000-04	0.0296	0.0294	0.0001	0.0072	0.3333	0.0368	0.2966	0.0125	0.0024	0.1285	0.2285	3.4183	0.0473	32.80	33.00	26.40	26.70	8.00	8.60	0.41			59.06	20.41	6.51	116.58	125.85
110.0	19-Apr-00	1616	102	Black Point	25.54583	-80.29467	2000.30	BB	AS	0.30	04	2000	2000-04	0.0426	0.0408	0.0018	0.0080	0.4736	0.0506	0.4231	0.0123	0.0029	0.3284	0.2274	4.3638	0.1691	27.00	27.00	26.10	26.10	9.40	9.40	0.46			85.35	25.13	9.11	131.61	131.61
110.0	19-Apr-00	1552	103	Near Black Ledge	25.57333	-80.28667	2000.30	BB	IS	0.30	04	2000	2000-04	0.0177	0.0175	0.0002	0.0068	0.5408	0.0246	0.5162	0.0125	0.0033	0.3522	0.1886	4.9668	0.1590	27.50	27.60	25.90	26.00	8.90	9.20	0.53			95.58	11.24	4.35	124.75	129.17
110.0	19-Apr-00	1333	104	BNP Marker C	25.60167	-80.22083	2000.30	BB	MAIN	0.30	04	2000	2000-04	0.0127	0.0125	0.0001	0.0036	0.1536	0.0162	0.1374	0.0079	0.0022	0.0873	0.1185	2.2475	0.0011	36.60	36.70	25.10	25.10	6.50	6.80	0.63			42.87	9.37	4.53	95.79	100.27
110.0	19-Apr-00	1241	108	Marker G-1B	25.56917	-80.19250	2000.30	BB	MAIN	0.30	04	2000	2000-04	0.0160	0.0156	0.0004	0.0036	0.1470	0.0195	0.1275	0.0068	0.0029	0.0539	0.1121	1.9818	0.0293	36.60	36.60	24.60	24.60	6.60	6.80	0.62			48.23	9.72	6.41	96.74	99.67
110.0	19-Apr-00	1221	109	North Midbay	25.56417	-80.23500	2000.30	BB	MAIN	0.30	04	2000	2000-04	0.0143	0.0138	0.0005	0.0050	0.1250	0.0193	0.1056	0.0109	0.0029	0.0904	0.0808	2.2010	0.0000	36.80	36.80	24.80	24.80	6.00	6.60	0.40			25.41	9.45	3.93	88.25	97.08
110.0	19-Apr-00	1628	110	Fender Point	25.50500	-80.28750	2000.30	BB	IS	0.30	04	2000	2000-04	0.0517	0.0507	0.0011	0.0072	0.3855	0.0589	0.3266	0.0133	0.0025	0.2031	0.1789	3.7005	0.1396	33.40	33.40	26.10	26.20	8.50	8.60	0.67			64.39	32.08	9.84	123.98	125.56
110.0	19-Apr-00	1159	111	Featherbed Bank	25.51583	-80.24000	2000.30	BB	MAIN	0.30	04	2000	2000-04	0.0105	0.0107	0.0000	0.0034	0.1674	0.0139	0.1535	0.0156	0.0025	0.1095	0.0959	2.2828	0.0020	36.80	36.80	25.20	25.20	6.10	6.40	0.97			23.75	7.57	1.97	90.10	94.54
110.0	19-Apr-00	1132	112	Sands Cut	25.48833	-80.18833	2000.30	BB	MAIN	0.30	04	2000	2000-04	0.0105	0.0106	0.0000	0.0036	0.1638	0.0141	0.1497	0.0123	0.0016	0.0555	0.1433	2.2448	0.0001	36.90	36.90	24.10	24.20	5.90	6.20	1.14			29.38	9.70	2.53	86.17	90.65
110.0	19-Apr-00	1051	113	Elliott Key	25.44167	-80.22333	2000.30	BB	MAIN	0.30	04	2000	2000-04	0.0114	0.0114	0.0000	0.0074	0.1735	0.0188	0.1547	0.0118	0.0018	0.1396	0.1272	2.7565	0.0000	37.60	37.50	24.60	24.60	6.00	6.00	1.11			32.48	12.36	3.52	88.52	88.46
110.0	19-Apr-00	0940	116	Rubicon Keys	25.40000	-80.25500	2000.30	BB	MAIN	0.30	04	2000	2000-04	0.0112	0.0112	0.0000	0.0047	0.1437	0.0159	0.1278	0.0119	0.0020	0.0698	0.1304	2.6088	0.0202	36.90	36.90	24.60	24.60	5.70	5.70	1.22			26.84	9.76	2.97	83.71	83.71
110.0	19-Apr-00	0959	121	North Card Sound	25.35500	-80.29167	2000.30	BB	SCARD	0.30	04	2000	2000-04	0.0103	0.0085	0.0018	0.0064	0.1551	0.0167	0.1384	0.0142	0.0011	0.1111	0.1476	2.8093	0.0000	36.30	36.20	24.70	24.70	6.10	6.00	0.71			24.18	13.85	2.60	89.34	87.82
110.0	19-Apr-00	0916	122	West Arsenicker	25.42017	-80.31083	2000.30	BB	IS	0.30	04	2000	2000-04	0.0051	0.0050	0.0000	0.0054	0.1791	0.0105	0.1686	0.0117	0.0012	0.1999	0.1541	3.4165	0.0386	35.90	35.80	24.00	24.10	6.00	5.90	0.82			33.94	8.24	1.99	86.97	85.56
110.0	19-Apr-00	0900	123	Pelican Bank	25.44500	-80.28333	2000.30	BB	MAIN	0.30	04	2000	2000-04	0.0135	0.0130	0.0005	0.0102	0.1765	0.0237	0.1528	0.0146	0.0021	0.1206	0.1455	2.8008	0.0227	36.70	36.70	24.10	24.20	6.00	6.10	0.47			26.79	14.25	3.59	87.52	89.08
110.0	19-Apr-00	1111	124	South Midbay	25.47250	-80.23333	2000.30	BB	MAIN	0.30	04	2000	2000-04	0.0176	0.0177	0.0000	0.0073	0.1528	0.0249	0.1279	0.0102	0.0020	0.1317	0.1293	2.6940	0.0133	37.70	37.60	24.70	24.70	6.00	6.00	1.12			33.24	15.31	5.42	88.67	88.61
110.0	19-Apr-00	1455	126	BNP Marker B	25.67167	-80.20500	2000.30	BB	MAIN	0.30	04	2000	2000-04	0.0181	0.0182	0.0000	0.0054	0.1649	0.0235	0.1414	0.0144	0.0025	0.1253	0.5895	3.3313	0.1177	34.90	35.50	25.60	24.90	6.10	7.10	1.61			25.31	12.80	3.61	89.38	103.67
110.0	19-Apr-00	1357	127	Shoal Point	25.63000	-80.25000	2000.30	BB	IS	0.30	04	2000	2000-04	0.0139	0.0136	0.0003	0.0066	0.1944	0.0205	0.1739	0.0111	0.0020	0.1206	0.2403	3.5668	0.1471	34.30	34.40	25.60	25.60	7.00	7.10	0.44			38.72	12.60	4.08	102.17	103.70
110.0	19-Apr-00	1514	128	Matheson Beach	25.68833	-80.23333	2000.30	BB	IS	0.30	04	2000	2000-04	0.0145	0.0139	0.0005	0.0066	0.1952	0.0211	0.1741	0.0168	0.0019	0.1713	0.7683	3.4528	0.0893	34.10	34.00	25.20	25.20	7.20	7.40	0.67			25.75	13.25	2.78	104.52	107.36
110.0	19-Apr-00	1432	129	Marker G-71	25.73667	-80.18500	2000.30	BB	MAIN	0.30	04	2000	2000-04	0.0191	0.0184	0.0006	0.0123	0.1880	0.0314	0.1566	0.0148	0.0026	0.0873	0.6013	3.7133	0.2673	32.20	33.40	25.30	24.80	5.80	6.80	1.68			28.14	16.46	4.70	83.26	97.85
110.0	20-Apr-00	1334	130	South Dodge Island	25.76333	-80.17167	2000.30	BB	NBAY	0.30	04	2000	2000-04	0.0178	0.0165	0.0013	0.0140	0.1574	0.0318	0.1256	0.0137	0.0029	0.0789	0.5614	3.4383	0.2524	33.10	35.00	26.60	25.50	7.30	6.50	1.69			25.50	15.54	5.15	106.79	95.20
110.0	20-Apr-00	1312	131	North Venetian Basin	25.80000	-80.16667	2000.30	BB	NBAY	0.30	04	2000	2000-04	0.0148	0.0140	0.0008	0.0110	0.1645	0.0259	0.1386	0.0156	0.0019	0.1678	0.9084	3.2093	0.1884	32.10	32.70	26.30	25.50	6.30	6.70	1.62			23.41	16.63	3.68	91.31	96.70
110.0	20-Apr-00	1257	132	North I-195 Basin	25.81667	-80.16667	2000.30	BB	NBAY	0.30	04	2000	2000-04	0.0166	0.0159	0.0006	0.0117	0.1946	0.0283	0.1663	0.0144	0.0023	0.1326	0.6466	3.4693	0.1992	31.10	31.30	26.10	26.00	7.20	7.40	1.08			29.92	16.00	4.35	103.48	106.39
110.0	20-Apr-00	1224	133	North Normandy Isle	25.86667	-80.15000	2000.30	BB	NBAY	0.30	04	2000	2000-04	0.0144	0.0141	0.0002	0.0092	0.1962	0.0235	0.1727	0.0196	0.0016	0.8191	2.3039	3.8280	0.0781	30.00	32.80	25.50	25.40	8.10	7.10	1.46			22.15	16.19	2.65	114.89	102.43
110.0	20-Apr-00	1203	134	Oleta River Park	25.90500	-80.13333	2000.30	BB	NBAY	0.30	04	2000	2000-04	0.0115	0.0109	0.0007	0.0095	0.1753	0.0210	0.1543	0.0157	0.0019	0.7050	2.3029	3.2598	0.1097	32.40	35.80	25.50	24.90	6.50	6.80	1.36			24.74	13.50	2.97	93.63	99.48
110.0	19-Apr-00	1016	135	South Card Sound	25.31667	-80.31667	2000.30	BB	SCARD	0.30	04	2000	2000-04	0.0109	0.0106	0.0003	0.0092	0.1961	0.0201	0.1760	0.0126	0.0019	0.1237	0.2468	3.5915	0.0742	34.60	34.60	25.00	25.00	6.10	6.20	0.85			34.47	12.63	3.53	88.65	90.10
111.0	09-May-00	1025	101	Convoy Point	25.47833	-80.32083	2000.35	BB	AS	0.35	05	2000	2000-05	0.0013	0.0007	0.0006	0.0156	0.4274	0.0170	0.4105	0.0072	0.0010	0.4507	0.1623	6.0498		34.70	34.70	25.80	25.80	6.10	6.10	0.50			130.62	37.27	5.18	89.45	89.45
111.0	08-May-00	1545	102	Black Point	25.54583	-80.29467	2000.35	BB	AS	0.35	05	2000	2000-05	0.0047	0.0049	0.0000	0.0131	0.2987	0.0178	0.2809	0.0071	0.0013	0.3278	0.1220	6.2950		32.80	33.00	26.90	26.90	8.30	8.40	0.93			92.56	29.91	5.51	121.53	123.15
111.0	08-May-00	1534	103	Near Black Ledge	25.57333	-80.28667	2000.35	BB	IS	0.35	05	2000	2000-05	0.0028	0.0026	0.0002	0.0145	0.1846	0.0173	0.1673	0.0065	0.0015	0.1935	0.1335	3.9708		36.50	36.50	26.90	26.90	7.80	7.80	0.85			63.08	26.03	5.91	116.93	116.93
111.0	08-May-00	1037	104	BNP Marker C	25.60167	-80.22083	2000.35	BB	MAIN	0.35	05	2000	2000-05	0.0023	0.0018	0.0004	0.0147	0.1027	0.0170	0.0858	0.0081	0.0014	0.1025	0.1320	2.6855		38.40	38.40	25.60	25.60	6.50	6.60	0.90			28.17	26.92	4.65	97.41	98.90
111.0	08-May-00	1015	108	Marker G-1B	25.56917	-80.19250	2000.35	BB	MAIN	0.35	05	2000	2000-05	0.0008	0.0000	0.0008	0.0142	0.0885	0.0150	0.0735	0.0075	0.0007	0.1069	0.1148	2.7813		37.20	37.20	25.40	25.40	6.70	6.70	0.87			26.05	47.68	4.42	99.43	99.43
111.0	08-May-00	1000	109	North Midbay	25.56417	-80.23500	2000.35	BB	MAIN	0.35	05	2000	2000-05	0.0010	0.0004	0.0006	0.0146	0.1146	0.0156	0.0990	0.0077	0.0006	0.1213	0.1248	2.5873		38.20	38.20	25.60	25.60	6.60	6.60	0.43			32.78	55.56	4.45	98.78	98.78
111.0	08-May-00	1607	110	Fender Point	25.50500	-80.28750	2000.35	BB	IS	0.35	05	2000	2000-05	0.0008	0.0004	0.0005	0.0140	0.0928	0.0148	0.0780	0.0065	0.0008	0.0982	0.1638	2.8150		39.10	39.10	26.50	26.50	6.70	6.70	0.40			31.49	42.25	5.02	101.74	101.74
111.0	08-May-00	0940	111	Featherbed Bank	25.51583	-80.24000	2000.35	BB	MAIN	0.35	05	2000	2000-05	0.0019	0.0009	0.0011	0.0154	0.1059	0.0173	0.0886	0.0099	0.0009	0.1242	0.1191	2.6688		38.30	38.30	25.30	25.30	6.30	6.40	0.67			23.80	41.29	3.90	94.06	95.55
111.0	09-May-00	1230	112	Sands Cut	25.48833	-80.18833	2000.35	BB	MAIN	0.35	05	2000	2000-05	0.0023	0.0013	0.0010	0.0170	0.0910	0.0193	0.0717	0.0078	0.0012	0.1317	0.0730	2.6840		37.90	37.90	25.70	25.70	7.20	7.30	1.05			25.69	34.53	5.46	107.66	109.15
111.0	09-May-00	1205	113	Elliott Key	25.44167	-80.22333	2000.35	BB	MAIN	0.35	05	2000	2000-05	0.0027	0.0017	0.0010	0.0197	0.1395	0.0224	0.1171	0.0055	0.0011	0.1934	0.0557	3.1583		39.60	39.60	25.10	25.10	6.40	6.40	1.05			55.91	45.68	8.97	96.16	96.16
111.0	09-May-00	1110	116	Rubicon Keys	25.40000	-80.25500	2000.35	BB	MAIN	0.35	05	2000	2000-05	0.0028	0.0024	0.0004	0.0172	0.1056	0.0199	0.0857	0.0079	0.0012	0.1893	0.1349	3.1148		39.00	39.00	25.10	25.10	6.40	6.40	0.85			29.62	35.59	5.59	95.78	95.78
111.0	09-May-00	1126	121	North Card Sound	25.35500	-80.29167	2000.35	BB	SCARD	0.35	05	2000	2000-05	0.0020	0.0009	0.0012	0.0159	0.1338	0.0179	0.1159	0.0078	0.0014	0.1729	0.2214	3.7923		37.20	37.30	25.10	25.20	6.20	6.30	0.48			37.89	28.47	5.08	91.72	93.36
111.0	09-May-00	1057	122	West Arsenicker	25.42017	-80.31083	2000.35	BB	IS	0.35	05	2000	2000-05	0.0014	0.0000	0.0014	0.0168	0.1366	0.0182	0.1184	0.0077	0.0009	0.4095	0.1075	4.0910		38.60	38.60	25.90	25.90	6.30	6.30	0.74			39.23	43.42	5.24	94.81	94.81
111.0	09-May-00	1044	123	Pelican Bank	25.44500	-80.28333	2000.35	BB	MAIN	0.35	05	2000	2000-05	0.0017	0.0007	0.0009	0.0171	0.2304	0.0187	0.2117	0.0083	0.0007	0.2449	0.1176	3.6380		38.80	38.80	25.90	25.90	6.20	6.20	1.07			61.35	59.50	4.99	93.43	93.43
111.0	09-May-00	1215	124	South Midbay	25.47250	-80.23333	2000.35	BB	MAIN	0.35	05	2000	2000-05	0.0014	0.0009	0.0005	0.0152	0.1306	0.0166	0.1141	0.0057	0.0007	0.2099	0.1176	2.5695		39.10	39.20	25.10	25.10	6.50	6.70	0.60			50.99	52.61	6.47	97.34	100.40
111.0	08-May-00	1057	126	BNP Marker B	25.67167	-80.20500	2000.35	BB	MAIN	0.35	05	2000	2000-05	0.0022	0.0009	0.0014	0.0173	0.1306	0.0195	0.1111	0.0084	0.0008	0.0231	0.1753	2.2850		37.80	37.80	25.70	25.70	6.90	6.80	1.03			34.30	55.85	5.13	103.11	101.61
111.0	08-May-00	1455	127	Shoal Point	25.63000	-80.25000	2000.35	BB	IS	0.35	05	2000	2000-05	0.0023	0.0007	0.0016	0.0167	0.1036	0.0191	0.0845	0.0077	0.0003	0.1170	0.1407	2.3093		38.30	38.30	26.20	26.20	7.20	7.30	0.72			29.93	136.12	5.51	108.47	109.97
111.0	08-May-00	1435	128	Matheson Beach	25.68833	-80.23333	2000.35	BB	IS	0.35	05	2000	2000-05	0.0007	0.0000	0.0007	0.0145	0.1356	0.0152	0.1204	0.0078	0.0003	0.1025	0.2099	3.3738		35.00	34.90	26.00	26.00	7.10	7.10	0.98			38.58	108.52	4.32	104.52	104.45
111.0	08-May-00	1415	129	Marker G-71	25.73667	-80.18500	2000.35	BB	MAIN	0.35	05	2000	2000-05	0.0037	0.0021	0.0015	0.0203	0.1311	0.0240	0.1071	0.0115	0.0000	0.2484	1.3916	3.3310		34.60	34.70	26.20	26.20	6.60	6.80	2.10			25.34		4.64	97.10	100.11
111.0	08-May-00	1400	130	South Dodge Island	25.76333	-80.17167	2000.35	BB	NBAY	0.35	05	2000	2000-05	0.0056	0.0039	0.0017	0.0189	0.1720	0.0246	0.1475	0.0138	0.0007	0.2065	1.8326	2.8203		35.20	35.30	25.80	25.80	6.30	6.40	1.57			27.60	77.94	3.94	92.68	94.21
111.0	08-May-00	1320	131	North Venetian Basin	25.80000	-80.16667	2000.35	BB	NBAY	0.35	05	2000	2000-05	0.0038	0.0027	0.0011	0.0163	0.1551	0.0201	0.1349	0.0153	0.0024	0.4202	3.2478	3.9350		33.20	33.70	26.00	25.70	6.40	6.50	2.75			22.48	18.56	2.92	93.14	94.61
111.0	08-May-00	1310	132	North I-195 Basin	25.81667	-80.16667	2000.35	BB	NBAY	0.35	05	2000	2000-05	0.0064	0.0049	0.0014	0.0190	0.1647	0.0253	0.1394	0.0129	0.0009	0.2772	2.3212	3.8568		33.50	33.50	25.70	25.70	6.20	6.30	2.15			28.20	65.77	4.33	90.13	91.58
111.0	08-May-00	1240	133	North Normandy Isle	25.86667	-80.15000	2000.35	BB	NBAY	0.35	05	2000	2000-05	0.0080	0.0041	0.0040	0.0217	0.1202	0.0297	0.0904	0.0135	0.0034	0.2426	1.2806	3.0070		34.90	35.20	26.00	25.90	6.00	6.10	2.37			19.73	3.79	4.88	88.27	89.82
111.0	08-May-00	1155	134	Oleta River Park	25.90500	-80.13333	2000.35	BB	NBAY	0.35	05	2000	2000-05	0.0033	0.0000	0.0033	0.0212	0.1001	0.0245	0.0757	0.0116	0.0012	0.0505	0.7618	2.3235		35.90	36.20	25.80	25.60	6.20	6.60	1.36			19.09	43.69	4.66	91.62	97.52
111.0	09-May-00	1140	135	South Card Sound	25.31667	-80.31667	2000.35	BB	SCARD	0.35	05	2000	2000-05	0.0038	0.0017	0.0021	0.0213	0.1412	0.0251	0.1161	0.0092	0.0007	0.1914	0.1393	3.8558		36.80	36.90	25.10	25.10	6.50	6.70	0.54			33.84	79.61	6.01	95.91	98.93
112.0	13-Jun-00	1030	101	Convoy Point	25.47833	-80.32083	2000.45	BB	AS	0.45	06	2000	2000-06	0.0074	0.0059	0.0015	0.0087	0.3232	0.0161	0.3071	0.0127	0.0032	0.3524	0.4149	4.4565		35.20	34.90	28.30	28.30	6.00	5.90	0.61			56.29	11.04	2.80	90.31	88.64
112.0	13-Jun-00	1109	102	Black Point	25.54583	-80.29467	2000.45	BB	AS	0.45	06	2000	2000-06	0.0178	0.0160	0.0018	0.0052	0.4614	0.0230	0.4384	0.0122	0.0028	0.5331	0.2845	5.6608		30.90	30.90	28.50	28.50	6.70	6.80	0.49			83.73	17.96	4.18	98.31	99.78
112.0	14-Jun-00	1402	103	Near Black Ledge	25.57333	-80.28667	2000.45	BB	IS	0.45	06	2000	2000-06	0.0058	0.0043	0.0015	0.0178	0.4899	0.0236	0.4663	0.0120	0.0027	0.8252	0.1293	6.6110		31.90	31.90	29.60	29.60	8.00	8.00	0.62			90.49	19.45	4.36	119.16	119.16
112.0	14-Jun-00	1343	104	BNP Marker C	25.60167	-80.22083	2000.45	BB	MAIN	0.45	06	2000	2000-06	0.0023	0.0012	0.0012	0.0058	0.1108	0.0082	0.1026	0.0113	0.0028	0.2300	0.1412	2.2460		36.00	35.90	28.70	28.70	6.90	7.10	0.67			21.75	6.56	1.61	104.72	107.69
112.0	14-Jun-00	1331	108	Marker G-1B	25.56917	-80.19250	2000.45	BB	MAIN	0.45	06	2000	2000-06	0.0012	0.0004	0.0007	0.0059	0.1032	0.0070	0.0962	0.0117	0.0014	0.1887	0.1293	2.3490		36.00	36.00	28.80	28.80	6.40	6.50	0.64			19.46	10.78	1.33	97.21	98.73
112.0	14-Jun-00	1319	109	North Midbay	25.56417	-80.23500	2000.45	BB	MAIN	0.45	06	2000	2000-06	0.0008	0.0003	0.0005	0.0018	0.0753	0.0026	0.0727	0.0112	0.0021	0.2696	0.1304	2.2168		35.60	36.00	28.60	28.80	6.70	6.40	0.68			14.82	2.64	0.50	101.35	97.21
112.0	14-Jun-00	1045	110	Fender Point	25.50500	-80.28750	2000.45	BB	IS	0.45	06	2000	2000-06	0.0082	0.0071	0.0011	0.0076	0.1263	0.0158	0.1105	0.0120	0.0032	0.1276	0.1401	2.6763		38.40	38.50	28.00	28.00	6.50	7.10	0.42			23.39	10.83	2.92	99.58	108.85
112.0	14-Jun-00	1306	111	Featherbed Bank	25.51583	-80.24000	2000.45	BB	MAIN	0.45	06	2000	2000-06	0.0030	0.0018	0.0012	0.0041	0.0734	0.0071	0.0663	0.0119	0.0033	0.2579	0.1358	2.5370		36.40	36.40	28.70	28.70	6.80	6.80	0.64			13.60	4.76	1.32	103.46	103.46
112.0	14-Jun-00	1123	112	Sands Cut	25.48833	-80.18833	2000.45	BB	MAIN	0.45	06	2000	2000-06	0.0004	0.0000	0.0004	0.0041	0.0882	0.0045	0.0837	0.0136	0.0030	0.1387	0.1185	2.1323		36.00	36.00	28.40	28.50	6.30	6.30	0.62			14.37	3.33	0.73	95.38	95.46
112.0	14-Jun-00	1045	113	Elliott Key	25.44167	-80.22333	2000.45	BB	MAIN	0.45	06	2000	2000-06	0.0067	0.0052	0.0015	0.0204	0.1680	0.0271	0.1409	0.0110	0.0028	0.2347	0.2047	2.8823		38.10	38.20	28.30	28.30	6.40	6.40	0.83			33.83	21.74	5.46	98.11	98.17
112.0	14-Jun-00	0940	116	Rubicon Keys	25.40000	-80.25500	2000.45	BB	MAIN	0.45	06	2000	2000-06	0.0039	0.0031	0.0008	0.0050	0.1176	0.0089	0.1087	0.0116	0.0023	0.2171	0.1692	2.7098		37.00	36.90	28.30	28.30	6.30	6.20	0.67			22.45	8.57	1.70	95.91	94.33

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
112.0	14-Jun-00	0958	121	North Card Sound	25.35500	-80.29167	2000.45	BB	SCARD	0.45	06	2000	2000-06	0.0039	0.0027	0.0012	0.0092	0.1013	0.0132	0.0881	0.0105	0.0020	0.1904	0.1595	2.7230		36.00	36.00	28.50	28.50	6.40	6.10	0.47			21.31	14.66	2.77	96.98	92.43
112.0	14-Jun-00	0920	122	West Arsenicker	25.42017	-80.31083	2000.45	BB	IS	0.45	06	2000	2000-06	0.0021	0.0020	0.0002	0.0067	0.0888	0.0088	0.0799	0.0111	0.0014	0.5747	0.2705	2.8923		36.80	36.80	28.30	28.30	6.20	6.10	0.54			17.68	14.28	1.76	94.27	92.75
112.0	14-Jun-00	0803	123	Pelican Bank	25.44500	-80.28333	2000.45	BB	MAIN	0.45	06	2000	2000-06	0.0162	0.0149	0.0013	0.0132	0.1061	0.0294	0.0767	0.0113	0.0018	0.2549	0.1994	2.5418		37.70	37.60	28.00	28.10	6.10	6.10	0.71			20.86	35.53	5.78	93.04	93.06
112.0	14-Jun-00	1100	124	South Midbay	25.47250	-80.23333	2000.45	BB	MAIN	0.45	06	2000	2000-06	0.0050	0.0038	0.0011	0.0106	0.1108	0.0155	0.0953	0.0104	0.0028	0.3230	0.1390	2.6198		37.90	37.90	28.30	28.40	6.80	6.90	0.54			23.68	12.45	3.32	104.11	105.73
112.0	13-Jun-00	1553	126	BNP Marker B	25.67167	-80.20500	2000.45	BB	MAIN	0.45	06	2000	2000-06	0.0026	0.0016	0.0010	0.0027	0.1219	0.0053	0.1166	0.0110	0.0031	0.1515	0.1670	2.4980		37.60	37.70	28.60	28.60	6.90	7.00	1.01			24.62	3.74	1.07	105.70	107.30
112.0	13-Jun-00	1138	127	Shoal Point	25.63000	-80.25000	2000.45	BB	IS	0.45	06	2000	2000-06	0.0037	0.0024	0.0014	0.0166	0.1567	0.0203	0.1364	0.0117	0.0019	0.2012	0.1681	2.9795		38.20	38.10	28.00	28.00	6.40	6.50	0.41			29.71	23.53	3.85	97.93	99.40
112.0	13-Jun-00	1158	128	Matheson Beach	25.68833	-80.23333	2000.45	BB	IS	0.45	06	2000	2000-06	0.0035	0.0010	0.0025	0.0071	0.1343	0.0106	0.1236	0.0200	0.0020	0.0759	0.3826	3.3605		34.80	34.80	28.30	28.30	6.50	6.60	0.45			14.89	11.85	1.18	97.59	99.09
112.0	13-Jun-00	1217	129	Marker G-71	25.73667	-80.18500	2000.45	BB	MAIN	0.45	06	2000	2000-06	0.0060	0.0042	0.0018	0.0046	0.1542	0.0106	0.1436	0.0157	0.0018	0.3501	1.0722	3.2990		33.50	33.40	28.30	28.30	6.40	6.60	1.15			21.75	13.38	1.50	95.30	98.22
112.0	13-Jun-00	1232	130	South Dodge Island	25.76333	-80.17167	2000.45	BB	NBAY	0.45	06	2000	2000-06	0.0148	0.0125	0.0022	0.0072	0.1535	0.0219	0.1315	0.0140	0.0022	0.3308	1.1304	3.5618		32.40	32.80	28.60	28.60	6.40	6.50	1.81			24.28	21.89	3.47	94.88	96.61
112.0	13-Jun-00	1511	131	North Venetian Basin	25.80000	-80.16667	2000.45	BB	NBAY	0.45	06	2000	2000-06	0.0071	0.0053	0.0018	0.0037	0.2017	0.0108	0.1909	0.0186	0.0008	0.3922	2.7027	4.6613		28.80	28.90	29.00	29.00	7.20	7.10	1.78			24.06	29.03	1.29	104.69	103.30
112.0	13-Jun-00	1330	132	North I-195 Basin	25.81667	-80.16667	2000.45	BB	NBAY	0.45	06	2000	2000-06	0.0046	0.0030	0.0016	0.0091	0.1763	0.0137	0.1627	0.0162	0.0021	0.2481	1.0625	4.5960		29.10	29.10	29.00	29.00	8.80	8.70	0.83			24.18	14.67	1.88	128.20	126.74
112.0	13-Jun-00	1359	133	North Normandy Isle	25.86667	-80.15000	2000.45	BB	NBAY	0.45	06	2000	2000-06	0.0069	0.0048	0.0021	0.0077	0.1734	0.0146	0.1588	0.0149	0.0019	0.5552	1.7490	4.7693		28.30	26.80	29.00	29.00	7.50	7.50	1.66			25.79	16.88	2.16	108.71	107.69
112.0	13-Jun-00	1418	134	Oleta River Park	25.90500	-80.13333	2000.45	BB	NBAY	0.45	06	2000	2000-06	0.0070	0.0052	0.0018	0.0060	0.1515	0.0129	0.1386	0.0159	0.0022	0.6592	2.2856	4.5128		27.70	33.40	29.10	28.50	7.20	6.90	1.70			21.12	12.91	1.80	104.05	102.85
112.0	14-Jun-00	1011	135	South Card Sound	25.31667	-80.31667	2000.45	BB	SCARD	0.45	06	2000	2000-06	0.0044	0.0022	0.0022	0.0261	0.1780	0.0305	0.1475	0.0115	0.0026	0.2387	0.2877	3.7765		36.70	36.70	28.30	28.30	6.70	6.70	0.24			34.21	25.92	5.87	101.80	101.80
113.0	11-Jul-00	1712	101	Convoy Point	25.47833	-80.32083	2000.52	BB	AS	0.52	07	2000	2000-07	0.0320	0.0313	0.0008	0.0050	0.2465	0.0370	0.2095	0.0106	0.0039	0.3385	0.3459	3.6023	0.2771	35.30	34.90	32.70	32.80	6.40	6.40	0.32			51.54	21.15	7.74	99.29	99.09
113.0	12-Jul-00	1613	102	Black Point	25.54583	-80.29467	2000.53	BB	AS	0.53	07	2000	2000-07	0.0797	0.0766	0.0032	0.0161	0.3198	0.0958	0.2240	0.0101	0.0065	0.5635	0.2888	5.0975	0.7963	29.50	29.80	32.90	33.20	6.10	6.20	0.49			70.01	32.59	20.97	91.42	93.24
113.0	12-Jul-00	1604	103	Near Black Ledge	25.57333	-80.28667	2000.53	BB	IS	0.53	07	2000	2000-07	0.0175	0.0170	0.0006	0.0000	0.2640	0.0175	0.2465	0.0102	0.0060	0.8809	0.2856	5.5000	0.6112	30.20	30.20	33.30	33.40	7.80	7.80	0.49			57.36	6.50	3.81	117.64	117.70
113.0	12-Jul-00	1129	104	BNP Marker C	25.60167	-80.22083	2000.53	BB	MAIN	0.53	07	2000	2000-07	0.0134	0.0120	0.0014	0.0000	0.1045	0.0134	0.0911	0.0098	0.0060	0.2211	0.1972	2.3320	0.0738	36.70	36.70	31.30	31.50	5.60	5.70	0.51			23.63	4.98	3.03	86.94	88.60
113.0	12-Jul-00	1119	108	Marker G-1B	25.56917	-80.19250	2000.53	BB	MAIN	0.53	07	2000	2000-07	0.0110	0.0110	0.0000	0.0000	0.1211	0.0110	0.1101	0.0096	0.0051	0.2041	0.1412	2.2585	0.0834	36.30	36.30	31.70	31.70	5.60	5.60	0.44			27.83	4.87	2.59	86.93	86.93
113.0	12-Jul-00	1109	109	North Midbay	25.56417	-80.23500	2000.53	BB	MAIN	0.53	07	2000	2000-07	0.0099	0.0099	0.0000	0.0000	0.1292	0.0099	0.1193	0.0096	0.0068	0.2531	0.1940	2.3353	0.1159	37.20	37.20	31.30	31.30	5.50	5.50	0.51			29.66	3.22	2.28	85.65	85.65
113.0	11-Jul-00	1700	110	Fender Point	25.50500	-80.28750	2000.52	BB	IS	0.52	07	2000	2000-07	0.0255	0.0248	0.0007	0.0004	0.2277	0.0258	0.2018	0.0097	0.0029	0.1639	0.2338	2.6950	0.1345	37.20	37.20	32.20	32.20	6.10	6.20	0.24			51.91	19.43	5.89	95.49	97.05
113.0	12-Jul-00	1057	111	Featherbed Bank	25.51583	-80.24000	2000.53	BB	MAIN	0.53	07	2000	2000-07	0.0110	0.0107	0.0004	0.0027	0.1439	0.0137	0.1302	0.0084	0.0043	0.2100	0.1940	2.5028	0.0622	37.50	37.40	31.30	31.40	5.50	5.60	0.57			37.92	7.01	3.62	85.81	87.37
113.0	12-Jul-00	1045	112	Sands Cut	25.48833	-80.18833	2000.53	BB	MAIN	0.53	07	2000	2000-07	0.0109	0.0094	0.0015	0.0005	0.0974	0.0114	0.0860	0.0099	0.0044	0.2584	0.2080	2.9425	0.0585	37.00	37.00	31.60	31.60	5.90	5.80	0.53			21.83	5.72	2.56	91.93	90.37
113.0	12-Jul-00	1055	113	Elliott Key	25.44167	-80.22333	2000.53	BB	MAIN	0.53	07	2000	2000-07	0.0136	0.0129	0.0007	0.0105	0.1642	0.0241	0.1401	0.0095	0.0044	0.2366	0.2726	3.0043	0.0900	38.20	38.40	31.30	31.30	5.70	5.80	0.59			38.19	12.08	5.60	89.31	90.99
113.0	11-Jul-00	1550	116	Rubicon Keys	25.40000	-80.25500	2000.52	BB	MAIN	0.52	07	2000	2000-07	0.0142	0.0128	0.0014	0.0000	0.1454	0.0142	0.1312	0.0092	0.0042	0.1465	0.1002	2.4820	0.1275	36.60	36.60	32.20	32.30	6.30	6.30	0.48			34.93	7.53	3.42	98.25	98.31
113.0	11-Jul-00	1605	121	North Card Sound	25.35500	-80.29167	2000.52	BB	SCARD	0.52	07	2000	2000-07	0.0058	0.0055	0.0003	0.0000	0.1209	0.0058	0.1151	0.0091	0.0020	0.2185	0.1767	2.8838	0.0628	36.70	36.70	31.80	31.90	6.80	6.80	0.23			29.46	6.36	1.41	105.88	105.94
113.0	11-Jul-00	1640	122	West Arsenicker	25.42017	-80.31083	2000.52	BB	IS	0.52	07	2000	2000-07	0.0076	0.0071	0.0005	0.0000	0.2358	0.0076	0.2282	0.0111	0.0036	0.9006	0.4698	4.9878	0.2258	37.30	37.20	32.90	33.10	8.20	8.10	0.60			46.90	4.63	1.51	128.91	127.39
113.0	11-Jul-00	1650	123	Pelican Bank	25.44500	-80.28333	2000.52	BB	MAIN	0.52	07	2000	2000-07	0.0188	0.0175	0.0013	0.0025	0.1562	0.0213	0.1349	0.0094	0.0029	0.1864	0.2565	3.2248	0.1175	37.20	37.00	32.40	32.50	6.30	6.20	0.38			36.62	16.44	4.99	98.73	97.09
113.0	12-Jul-00	1021	124	South Midbay	25.47250	-80.23333	2000.53	BB	MAIN	0.53	07	2000	2000-07	0.0120	0.0116	0.0004	0.0011	0.1796	0.0131	0.1665	0.0093	0.0034	0.4256	0.2069	3.7388	0.1028	38.30	38.40	31.50	31.50	6.10	6.20	0.56			42.94	8.50	3.13	95.76	97.39
113.0	12-Jul-00	1141	126	BNP Marker B	25.67167	-80.20500	2000.53	BB	MAIN	0.53	07	2000	2000-07	0.0098	0.0087	0.0011	0.0000	0.1339	0.0098	0.1242	0.0095	0.0014	0.1796	0.5657	2.8018	0.2700	36.60	36.60	31.20	31.20	5.50	5.70	0.76			31.19	15.52	2.28	85.28	88.38
113.0	12-Jul-00	1548	127	Shoal Point	25.63000	-80.25000	2000.53	BB	IS	0.53	07	2000	2000-07	0.0143	0.0132	0.0011	0.0099	0.2138	0.0242	0.1896	0.0096	0.0042	0.4408	0.2134	3.9828	0.3496	35.80	35.80	32.00	32.00	5.70	5.90	0.45			49.14	12.80	5.56	88.36	91.46
113.0	12-Jul-00	1150	128	Matheson Beach	25.68833	-80.23333	2000.53	BB	IS	0.53	07	2000	2000-07	0.0153	0.0139	0.0014	0.0043	0.1974	0.0196	0.1778	0.0087	0.0028	0.1935	0.1972	3.8410	0.4319	35.50	35.70	31.50	31.30	4.70	4.70	0.30			50.22	15.54	4.98	72.51	72.51
113.0	12-Jul-00	1203	129	Marker G-71	25.73667	-80.18500	2000.53	BB	MAIN	0.53	07	2000	2000-07	0.0145	0.0131	0.0014	0.0003	0.1963	0.0148	0.1815	0.0102	0.0037	0.1669	0.6983	3.8493	0.2706	35.20	35.50	31.20	31.20	5.60	5.60	0.62			42.59	8.82	3.21	86.08	86.24
113.0	12-Jul-00	1212	130	South Dodge Island	25.76333	-80.17167	2000.53	BB	NBAY	0.53	07	2000	2000-07	0.0181	0.0173	0.0008	0.0009	0.2181	0.0190	0.1991	0.0117	0.0038	0.1405	0.6024	4.0698	0.2926	34.60	34.50	31.50	31.50	5.40	5.40	0.85			41.17	11.09	3.59	82.85	82.80
113.0	12-Jul-00	1345	131	North Venetian Basin	25.80000	-80.16667	2000.53	BB	NBAY	0.53	07	2000	2000-07	0.0230	0.0226	0.0004	0.0026	0.2156	0.0256	0.1901	0.0136	0.0052	0.1133	0.6638	4.0558	0.2869	31.60	31.50	31.80	31.70	4.60	4.60	0.79			35.19	10.90	4.17	69.41	69.32
113.0	12-Jul-00	1658	132	North I-195 Basin	25.81667	-80.16667	2000.53	BB	NBAY	0.53	07	2000	2000-07	0.0147	0.0149	0.0000	0.0000	0.2130	0.0147	0.1982	0.0108	0.0043	0.1750	0.7468	4.7070	0.1756	30.20	30.10	32.00	31.90	4.70	4.90	0.40			43.61	7.66	3.02	70.39	73.29
113.0	12-Jul-00	1428	133	North Normandy Isle	25.86667	-80.15000	2000.53	BB	NBAY	0.53	07	2000	2000-07	0.0332	0.0306	0.0025	0.0023	0.2166	0.0354	0.1811	0.0148	0.0051	0.3185	2.1391	4.2598	1.0315	29.30	33.50	31.90	32.00	4.90	5.00	1.08			32.33	15.34	5.29	72.93	76.42
113.0	12-Jul-00	1441	134	Oleta River Park	25.90500	-80.13333	2000.53	BB	NBAY	0.53	07	2000	2000-07	0.0232	0.0200	0.0032	0.0002	0.1934	0.0234	0.1700	0.0137	0.0058	0.1997	1.6294	4.3210	0.7309	29.70	34.80	31.60	30.50	4.10	4.80	1.02			31.21	8.93	3.78	61.07	73.27
113.0	11-Jul-00	1615	135	South Card Sound	25.31667	-80.31667	2000.52	BB	SCARD	0.52	07	2000	2000-07	0.0128	0.0117	0.0010	0.0000	0.2782	0.0128	0.2654	0.0134	0.0047	0.2113	0.3642	5.6688	0.2260	35.80	36.80	31.50	31.80	6.20	6.90	0.36			45.92	5.97	2.11	95.83	107.50
114.0	09-Aug-00	1210	101	Convoy Point	25.47833	-80.32083	2000.60	BB	AS	0.60	08	2000	2000-08	0.6521	0.6420	0.0101	0.0544	1.0664	0.7065	0.3599	0.0158	0.0102	0.5205	0.3513	7.7765		29.90	37.50	30.80	31.70	5.30	4.80	0.84			149.35	152.68	98.94	78.63	75.06
114.0	08-Aug-00	1545	102	Black Point	25.54583	-80.29467	2000.60	BB	AS	0.60	08	2000	2000-08	0.0449	0.0409	0.0040	0.0135	0.4808	0.0584	0.4224	0.0150	0.0072	0.8710	0.2338	7.0958		27.70	27.70	30.60	30.60	8.60	9.10	0.47			71.18	17.91	8.65	125.69	132.99
114.0	08-Aug-00	1530	103	Near Black Ledge	25.57333	-80.28667	2000.60	BB	IS	0.60	08	2000	2000-08	0.0194	0.0186	0.0008	0.0084	0.4430	0.0279	0.4151	0.0160	0.0080	0.6264	0.3761	5.1263		36.10	36.00	30.30	30.30	8.30	8.30	0.59			61.44	7.72	3.87	127.55	127.47
114.0	08-Aug-00	1032	104	BNP Marker C	25.60167	-80.22083	2000.60	BB	MAIN	0.60	08	2000	2000-08	0.0173	0.0169	0.0004	0.0089	0.2854	0.0263	0.2591	0.0154	0.0082	0.2132	0.2209	2.7710		37.50	37.40	29.30	29.30	5.80	5.80	0.55			40.97	7.13	3.77	89.27	89.21
114.0	08-Aug-00	1020	108	Marker G-1B	25.56917	-80.19250	2000.60	BB	MAIN	0.60	08	2000	2000-08	0.0242	0.0241	0.0001	0.0085	0.3054	0.0328	0.2726	0.0152	0.0089	0.1995	0.1746	2.6083		37.20	37.20	29.20	29.20	5.60	5.70	0.35			44.51	8.13	4.78	85.97	87.50
114.0	08-Aug-00	0946	109	North Midbay	25.56417	-80.23500	2000.60	BB	MAIN	0.60	08	2000	2000-08	0.0181	0.0178	0.0003	0.0082	0.3848	0.0263	0.3586	0.0143	0.0066	0.2681	0.2112	3.1180		37.80	37.80	29.30	29.30	5.60	5.50	0.75			59.76	8.81	4.08	86.35	84.81
114.0	09-Aug-00	1155	110	Fender Point	25.50500	-80.28750	2000.60	BB	IS	0.60	08	2000	2000-08	0.0502	0.0485	0.0016	0.0243	0.9515	0.0744	0.8771	0.0159	0.0082	0.5114	0.3351	7.8390		37.30	38.00	30.10	30.70	5.70	5.40	0.69			132.62	20.21	10.37	88.13	84.19
114.0	09-Aug-00	1144	111	Featherbed Bank	25.51583	-80.24000	2000.60	BB	MAIN	0.60	08	2000	2000-08	0.0151	0.0146	0.0005	0.0082	0.3459	0.0232	0.3227	0.0143	0.0060	0.2227	0.1864	3.1313		37.90	37.90	30.20	30.20	5.60	5.60	0.51			53.71	8.60	3.61	86.97	86.97
114.0	09-Aug-00	1105	112	Sands Cut	25.48833	-80.18833	2000.60	BB	MAIN	0.60	08	2000	2000-08	0.0216	0.0215	0.0001	0.0092	0.3499	0.0309	0.3190	0.0137	0.0075	0.2101	0.2177	2.8965		37.90	37.90	29.80	29.80	5.60	6.10	0.49			56.48	9.17	4.98	86.72	94.47
114.0	09-Aug-00	1036	113	Elliott Key	25.44167	-80.22333	2000.60	BB	MAIN	0.60	08	2000	2000-08	0.0147	0.0142	0.0004	0.0122	0.4021	0.0268	0.3753	0.0126	0.0059	0.3482	0.1972	3.1495		38.30	38.60	29.50	29.50	6.50	6.30	0.60			70.93	10.06	4.73	100.70	97.78
114.0	09-Aug-00	0935	116	Rubicon Keys	25.40000	-80.25500	2000.60	BB	MAIN	0.60	08	2000	2000-08	0.0254	0.0251	0.0003	0.0113	0.4100	0.0368	0.3732	0.0123	0.0085	0.0956	0.2769	2.8485		37.90	38.00	29.30	29.30	6.50	6.60	0.43			73.68	9.54	6.61	100.30	101.90
114.0	09-Aug-00	0950	121	North Card Sound	25.35500	-80.29167	2000.60	BB	SCARD	0.60	08	2000	2000-08	0.0195	0.0194	0.0001	0.0073	0.4224	0.0268	0.3956	0.0098	0.0078	0.2279	0.2468	3.4283		37.50	37.50	29.50	29.50	6.50	6.90	0.51			95.78	7.65	6.08	100.19	106.36
114.0	09-Aug-00	1118	122	West Arsenicker	25.42017	-80.31083	2000.60	BB	IS	0.60	08	2000	2000-08	0.2873	0.2817	0.0057	0.0273	0.8325	0.3146	0.5179	0.0106	0.0075	0.5247	0.4020	7.0638		35.10	36.20	30.70	31.00	5.30	5.70	0.66			173.62	93.44	65.61	81.16	88.05
114.0	09-Aug-00	0915	123	Pelican Bank	25.44500	-80.28333	2000.60	BB	MAIN	0.60	08	2000	2000-08	0.0246	0.0226	0.0020	0.0120	0.4476	0.0367	0.4109	0.0079	0.0061	0.2328	0.2112	3.0000		38.20	38.20	29.00	29.00	6.50	6.50	0.58			125.38	13.23	10.28	100.26	100.26
114.0	09-Aug-00	1050	124	South Midbay	25.47250	-80.23333	2000.60	BB	MAIN	0.60	08	2000	2000-08	0.0200	0.0197	0.0002	0.0117	0.4659	0.0316	0.4343	0.0084	0.0080	0.3659	0.2069	3.4808		38.30	38.80	29.50	29.50	6.50	6.50	0.53			122.13	8.75	8.29	100.70	101.01
114.0	08-Aug-00	1110	126	BNP Marker B	25.67167	-80.20500	2000.60	BB	MAIN	0.60	08	2000	2000-08	0.0155	0.0151	0.0004	0.0061	0.4664	0.0216	0.4448	0.0109	0.0067	0.2044	0.3567	3.2245		37.90	37.90	29.50	29.60	5.80	5.90	1.07			94.51	7.17	4.38	89.63	91.24
114.0	08-Aug-00	1046	127	Shoal Point	25.63000	-80.25000	2000.60	BB	IS	0.60	08	2000	2000-08	0.0209	0.0195	0.0014	0.0136	0.4935	0.0346	0.4589	0.0157	0.0088	0.2189	0.2985	3.6900		36.90	36.90	29.40	29.40	5.90	5.80	0.37			69.80	8.72	4.89	90.54	89.00
114.0	08-Aug-00	1502	128	Matheson Beach	25.68833	-80.23333	2000.60	BB	IS	0.60	08	2000	2000-08	0.0201	0.0200	0.0001	0.0077	0.5115	0.0278	0.4837	0.0133	0.0078	0.2124	0.3718	4.0548		33.90	33.90	30.00	30.00	6.60	6.80	0.43			85.46	7.85	4.64	99.83	102.86
114.0	08-Aug-00	1133	129	Marker G-71	25.73667	-80.18500	2000.60	BB	MAIN	0.60	08	2000	2000-08	0.0265	0.0264	0.0001	0.0112	0.4534	0.0377	0.4157	0.0123	0.0089	0.1804	0.4364	3.5300		35.00	35.20	29.50	29.50	6.00	6.10	0.73			81.47	9.34	6.77	91.05	92.68
114.0	08-Aug-00	1150	130	South Dodge Island	25.76333	-80.17167	2000.60	BB	NBAY	0.60	08	2000	2000-08	0.0299	0.0298	0.0001	0.0115	0.4530	0.0413	0.4117	0.0134	0.0096	0.1814	0.4957	3.7178		33.70	33.80	29.70	29.70	6.30	6.10	0.87			74.82	9.51	6.83	94.97	92.01
114.0	08-Aug-00	1305	131	North Venetian Basin	25.80000	-80.16667	2000.60	BB	NBAY	0.60	08	2000	2000-08	0.0251	0.0233	0.0018	0.0103	0.4305	0.0354	0.3951	0.0151	0.0066	0.3669	1.2931	4.1620		30.70	30.70	30.00	30.00	5.90	5.90	1.85			63.07	11.87	5.19	87.48	87.48
114.0	08-Aug-00	1315	132	North I-195 Basin	25.81667	-80.16667	2000.60	BB	NBAY	0.60	08	2000	2000-08	0.0219	0.0203	0.0016	0.0138	0.4461	0.0357	0.4104	0.0160	0.0083	0.2878	1.2921	4.0740		31.20	31.40	29.90	30.00	6.00	6.30	0.87			61.57	9.51	4.92	89.17	93.82
114.0	08-Aug-00	1336	133	North Normandy Isle	25.86667	-80.15000	2000.60	BB	NBAY	0.60	08	2000	2000-08	0.0215	0.0210	0.0004	0.0086	0.4034	0.0301	0.3733	0.0194	0.0051	0.5505	1.8104	4.0528		30.70	30.70	30.30	30.30	7.10	7.10	2.10			46.10	12.98	3.44	105.50	105.50
114.0	08-Aug-00	1400	134	Oleta River Park	25.90500	-80.13333	2000.60	BB	NBAY	0.60	08	2000	2000-08	0.0303	0.0294	0.0009	0.0129	0.3994	0.0433	0.3562	0.0170	0.0092	0.6964	2.5443	4.4818		28.80	34.00	30.30	29.80	6.60	6.00	1.13			52.11	10.46	5.64	96.91	90.68
114.0	09-Aug-00	1005	135	South Card Sound	25.31667	-80.31667	2000.60	BB	SCARD	0.60	08	2000	2000-08	0.0208	0.0203	0.0004	0.0090	0.5351	0.0298	0.5053	0.0126	0.0078	0.2443	0.2780	5.8220		35.90	35.90	29.40	29.40	6.20	5.80	0.24			93.79	8.50	5.22	94.55	88.45
115.0	20-Sep-00	1120	101	Convoy Point	25.47833	-80.32083	2000.72	BB	AS	0.72	09	2000	2000-09	0.0512	0.0457	0.0055	0.0224	0.4810	0.0736	0.4074	0.0112	0.0057	0.6008	0.5776	4.4938		31.30	31.20	28.90	28.90	6.00	5.90	3.73			94.77	28.71	14.49	88.55	87.02
115.0	20-Sep-00	1048	102	Black Point	25.54583	-80.29467	2000.72	BB	AS	0.72	09	2000	2000-09	0.2052	0.1945	0.0106	0.0323	0.5275	0.2375	0.2901	0.0096	0.0098	0.4490	0.3664	4.2560		27.30	27.30	28.80	28.80	5.90	5.70	1.28			121.55	53.59	54.72	84.84	81.97
115.0	20-Sep-00	1035	103	Near Black Ledge	25.57333	-80.28667	2000.72	BB	IS	0.72	09	2000	2000-09	0.1809	0.1700	0.0110	0.0283	0.4934	0.2093	0.2841	0.0082	0.0042	0.4626	0.3362	4.5903		27.20	27.00	28.70	28.80	6.00	6.10	0.66			133.00	111.14	56.41	86.16	87.56
115.0	19-Sep-00	1200	104	BNP Marker C	25.60167	-80.22083	2000.72	BB	MAIN	0.72	09	2000	2000-09	0.0135	0.0122	0.0013	0.0082	0.1899	0.0217	0.1682	0.0079	0.0050	0.1078	0.1649	2.0885		37.10	37.10	29.60	29.60	5.80	5.70	1.30			53.20	9.61	6.08	89.24	87.71
115.0	19-Sep-00	1145	108	Marker G-1B	25.56917	-80.19250	2000.72	BB	MAIN	0.72	09	2000	2000-09	0.0092	0.0090	0.0002	0.0048	0.1610	0.0140	0.1470	0.0084	0.0046	0.2693	0.1164	2.3745		37.20	37.20	29.30	29.30	6.10	6.10	1.15			42.19	6.71	3.67	93.71	93.71
115.0	19-Sep-00	1135	109	North Midbay	25.56417	-80.23500	2000.72	BB	MAIN	0.72	09	2000	2000-09	0.0145	0.0124	0.0021	0.0085	0.2107	0.0230	0.1877	0.0079	0.0037	0.1860	0.1638	2.7738		37.60	37.50	29.50	29.50	5.70	5.70	0.80			59.02	13.84	6.45	87.92	87.86
115.0	20-Sep-00	1103	110	Fender Point	25.50500	-80.28750	2000.72	BB	IS	0.72	09	2000	2000-09	0.0549	0.0525	0.0025	0.0120	0.2577	0.0669	0.1908	0.0078	0.0048	0.1512	0.2306	3.0055		34.80	34.70	28.90	28.90	5.90	5.80	0.68			73.62	30.73	19.12	89.01	87.45
115.0	19-Sep-00	1115	111	Featherbed Bank	25.51583	-80.24000	2000.72	BB	MAIN	0.72	09	2000	2000-09	0.0187	0.0156	0.0031	0.0135	0.2307	0.0322	0.1985	0.0110	0.0037	0.1336	0.2543	2.9188		37.40	37.40	29.50	29.50	5.80	5.80	1.00			46.42	19.28	6.48	89.35	89.35
115.0	20-Sep-00	1325	112	Sands Cut	25.48833	-80.18833	2000.72	BB	MAIN	0.72	09	2000	2000-09	0.0191	0.0175	0.0016	0.0093	0.1574	0.0284	0.1291	0.0090	0.0041	0.1086	0.4354	2.0953		36.20	36.10	29.50	29.60	6.90	6.90	2.29			38.78	15.24	6.99	105.50	105.51
115.0	20-Sep-00	1308	113	Elliott Key	25.44167	-80.22333	2000.72	BB	MAIN	0.72	09	2000	2000-09	0.0169	0.0158	0.0011	0.0303	0.1991	0.0472	0.1519	0.0106	0.0041	0.1751	0.2047	4.9825		37.20	37.20	29.10	29.10	6.00	5.90	1.65			41.53	25.59	9.84	92.04	90.50
115.0	20-Sep-00	1200	116	Rubicon Keys	25.40000	-80.25500	2000.72	BB	MAIN	0.72	09	2000	2000-09	0.0183	0.0179	0.0004	0.0087	0.1679	0.0270	0.1409	0.0097	0.0034	0.1251	0.1735	3.4128		36.10	36.00	29.10	29.10	5.50	5.50	1.11			38.37	17.58	6.17	83.79	83.73
115.0	20-Sep-00	1215	121	North Card Sound	25.35500	-80.29167	2000.72	BB	SCARD	0.72	09	2000	2000-09	0.0137	0.0122	0.0015	0.0110	0.2551	0.0247	0.2304	0.0093	0.0039	0.1631	0.2888	5.1365		35.40	35.50	29.20	29.20	5.90	5.90	0.60			60.75	13.91	5.89	89.55	89.61
115.0	20-Sep-00	1145	122	West Arsenicker	25.42017	-80.31083	2000.72	BB	IS	0.72	09	2000	2000-09	0.0126	0.0113	0.0013	0.0130	0.2775	0.0257	0.2518	0.0099	0.0041	0.6493	0.3524	5.3175		35.60	35.60	28.80	28.90	6.10	6.00	1.31			61.94	14.03	5.73	92.42	90.98
115.0	20-Sep-00	1135	123	Pelican Bank	25.44500	-80.28333	2000.72	BB	MAIN	0.72	09	2000	2000-09	0.0200	0.0176	0.0025	0.0219	0.2285	0.0420	0.1865	0.0092	0.0032	0.2052	0.2813	2.9488		35.80	35.80	29.00	29.00	5.90	5.80	1.34			54.86	29.38	10.07	89.64	88.12
115.0	20-Sep-00	1342	124	South Midbay	25.47250	-80.23333	2000.72	BB	MAIN	0.72	09	2000	2000-09	0.0124	0.0112	0.0012	0.0217	0.2458	0.0340	0.2118	0.0084	0.0034	0.2997	0.2500	3.2028		37.20	37.20	29.30	29.30	6.10	6.10	1.33			65.04	21.95	9.01	93.71	93.71
115.0	19-Sep-00	1220	126	BNP Marker B	25.67167	-80.20500	2000.72	BB	MAIN	0.72	09	2000	2000-09	0.0134	0.0104	0.0031	0.0180	0.1577	0.0315	0.1262	0.0064	0.0031	0.1526	0.2737	3.0685		35.20	35.20	29.50	29.50	5.70	5.70	1.85			54.30	22.60	10.84	86.61	86.61
115.0	20-Sep-00	1545	127	Shoal Point	25.63000	-80.25000	2000.72	BB	IS	0.72	09	2000	2000-09	0.0246	0.0204	0.0043	0.0088	0.1916	0.0334	0.1582	0.0093	0.0037	0.1491	0.7586	3.4213		34.70	34.70	29.90	29.90	6.60	6.50	0.40			45.62	20.18	7.96	100.26	98.74
115.0	20-Sep-00	1530	128	Matheson Beach	25.68833	-80.23333	2000.72	BB	IS	0.72	09	2000	2000-09	0.0279	0.0237	0.0042	0.0152	0.2302	0.0431	0.1871	0.0092	0.0040	0.1500	0.4149	3.7833		31.80	31.80	30.20	30.20	6.10	6.20	0.45			55.27	24.15	10.35	91.20	92.69
115.0	19-Sep-00	1237	129	Marker G-71	25.73667	-80.18500	2000.72	BB	MAIN	0.72	09	2000	2000-09	0.0337	0.0294	0.0043	0.0276	0.2402	0.0613	0.1789	0.0066	0.0049	0.1508	0.7188	3.7598		32.30	32.30	29.60	29.60	5.60	5.50	3.40			80.74	27.92	20.60	83.62	82.13
115.0	19-Sep-00	1256	130	South Dodge Island	25.76333	-80.17167	2000.72	BB	NBAY	0.72	09	2000	2000-09	0.0367	0.0324	0.0043	0.0227	0.1903	0.0594	0.1309	0.0082	0.0042	0.1002	0.5431	3.1488		33.00	33.20	29.70	29.60	5.20	5.20	3.30			51.28	31.08	16.01	78.04	78.08
115.0	19-Sep-00	1310	131	North Venetian Basin	25.80000	-80.16667	2000.72	BB	NBAY	0.72	09	2000	2000-09	0.0500	0.0447	0.0053	0.0306	0.1880	0.0807	0.1073	0.0076	0.0049	0.1295	0.5765	3.7065		30.20	30.60	29.80	29.70	5.30	5.30	2.80			54.81	36.64	23.52	78.22	78.36
115.0	19-Sep-00	1323	132	North I-195 Basin	25.81667	-80.16667	2000.72	BB	NBAY	0.72	09	2000	2000-09	0.0473	0.0439	0.0034	0.0156	0.1912	0.0628	0.1284	0.0078	0.0059	0.1032	0.1573	3.5038		30.10	30.10	29.70	29.70	5.80	6.10	1.75			54.09	23.77	17.77	85.49	89.91
115.0	19-Sep-00	1341	133	North Normandy Isle	25.86667	-80.15000	2000.72	BB	NBAY	0.72	09	2000	2000-09	0.0314	0.0280	0.0035	0.0150	0.1885	0.0464	0.1420	0.0078	0.0057	0.1690	0.4009	3.1818		30.60	30.60	29.80	29.80	6.10	6.10	2.00			53.85	18.10	13.27	90.26	90.26
115.0	19-Sep-00	1425	134	Oleta River Park	25.90500	-80.13333	2000.72	BB	NBAY	0.72	09	2000	2000-09	0.0447	0.0395	0.0052	0.0109	0.1838	0.0556	0.1282	0.0081	0.0031	0.2151	1.4063	3.6783		30.70	35.40	30.10	29.60	5.70	5.70	1.40			50.02	40.24	15.14	84.57	86.78
115.0	20-Sep-00	1233	135	South Card Sound	25.31667	-80.31667	2000.72	BB	SCARD	0.72	09	2000	2000-09	0.0164	0.0132	0.0033	0.0200	0.2877	0.0364	0.2513	0.0071	0.0041	0.2067	0.4149	6.2785		33.60	33.60	29.30	29.30	5.80	5.80	0.40			89.35	19.90	11.31	87.12	87.12
116.0	25-Oct-00	0835	101	Convoy Point	25.47833	-80.32083	2000.81	BB	AS	0.81	10	2000	2000-10	0.0108	0.0096	0.0012	0.0038	0.3063	0.0145	0.2918	0.0073	0.0021	0.4844	0.3605	4.2265	0.0616	27.90	27.90	23.40	23.40	5.00	4.90	1.45			42.00	6.82	1.99	68.32	66.95
116.0	25-Oct-00	0910	102	Black Point	25.54583	-80.29467	2000.81	BB	AS	0.81	10	2000	2000-10	0.0122	0.0110	0.0012	0.0028	0.2584	0.0150	0.2434	0.0070	0.0016	0.2208	0.2141	3.4405	0.0217	29.90	29.90	23.50	23.50	5.10	5.10	1.05			37.08	9.38	2.15	70.68	70.68
116.0	25-Oct-00	0955	103	Near Black Ledge	25.57333	-80.28667	2000.81	BB	IS	0.81	10	2000	2000-10	0.0083	0.0067	0.0015	0.0044	0.2106	0.0127	0.1979	0.0074	0.0007	0.1877	0.5380	2.8878	0.0307	31.70	31.70	23.90	23.90	5.20	5.20	2.94			28.54	19.01	1.72	73.26	73.26
116.0	25-Oct-00	1009	104	BNP Marker C	25.60167	-80.22083	2000.81	BB	MAIN	0.81	10	2000	2000-10	0.0148	0.0136	0.0012	0.0049	0.2059	0.0197	0.1862	0.0100	0.0029	0.2352	0.3984	2.7225	0.0116	32.40	32.50	24.00	24.00	5.20	5.20	2.91			20.58	6.68	1.97	73.68	73.73
116.0	25-Oct-00	1012	108	Marker G-1B	25.56917	-80.19250	2000.81	BB	MAIN	0.81	10	2000	2000-10	0.0060	0.0050	0.0010	0.0040	0.1368	0.0100	0.1268	0.0077	0.0013	0.2176	0.5272	2.4880	0.0195	34.00	34.00	24.00	24.00	5.10	5.10	1.89			17.83	7.60	1.30	73.02	73.02
116.0	25-Oct-00	1040	109	North Midbay	25.56417	-80.23500	2000.81	BB	MAIN	0.81	10	2000	2000-10	0.0086	0.0070	0.0016	0.0034	0.1896	0.0120	0.1776	0.0081	0.0012	0.1639	0.2629	2.7703	0.0557	31.80	31.80	23.90	23.90	5.20	5.20	2.50			23.28	9.72	1.47	73.31	73.31
116.0	25-Oct-00	0850	110	Fender Point	25.50500	-80.28750	2000.81	BB	IS	0.81	10	2000	2000-10	0.0096	0.0084	0.0012	0.0042	0.2099	0.0138	0.1961	0.0070	0.0012	0.1781	0.1328	2.8960	0.0027	31.50	31.50	23.60	23.70	5.20	5.20	0.81			29.96	11.68	1.98	72.91	73.00
116.0	25-Oct-00	1055	111	Featherbed Bank	25.51583	-80.24000	2000.81	BB	MAIN	0.81	10	2000	2000-10	0.0051	0.0047	0.0005	0.0029	0.1284	0.0081	0.1203	0.0085	0.0015	0.1918	0.1884	2.7138	0.0004	32.20	32.20	23.90	23.90	5.30	5.30	1.60			15.06	5.52	0.95	74.91	74.91
116.0	25-Oct-00	1115	112	Sands Cut	25.48833	-80.18833	2000.81	BB	MAIN	0.81	10	2000	2000-10	0.0046	0.0040	0.0005	0.0035	0.2163	0.0081	0.2082	0.0076	0.0014	0.1485	0.2453	2.5075	0.0008	33.60	33.60	23.40	23.50	5.00	5.10	1.09			28.59	5.66	1.07	70.90	72.40
116.0	25-Oct-00	1155	113	Elliott Key	25.44167	-80.22333	2000.81	BB	MAIN	0.81	10	2000	2000-10	0.0053	0.0047	0.0006	0.0176	0.2534	0.0228	0.2306	0.0067	0.0012	0.2651	0.2155	2.8863	0.0102	33.00	33.00	24.10	24.10	5.30	5.30	1.46			37.94	18.77	3.42	75.48	75.48
116.0	25-Oct-00	1220	116	Rubicon Keys	25.40000	-80.25500	2000.81	BB	MAIN	0.81	10	2000	2000-10	0.0144	0.0132	0.0012	0.0210	0.3040	0.0353	0.2687	0.0080	0.0019	0.3121	0.3849	2.9378	0.0004	32.30	32.30	24.00	24.00	5.20	5.20	4.86			37.98	18.27	4.41	73.63	73.63
116.0	25-Oct-00	1237	121	North Card Sound	25.35500	-80.29167	2000.81	BB	SCARD	0.81	10	2000	2000-10	0.0803	0.0758	0.0045	0.0104	0.3651	0.0908	0.2743	0.0071	0.0017	0.2398	0.4540	3.7370	0.0028	26.90	27.80	24.00	24.30	6.70	6.60	1.15			51.48	52.77	12.80	91.61	91.09
116.0	25-Oct-00	1330	122	West Arsenicker	25.42017	-80.31083	2000.81	BB	IS	0.81	10	2000	2000-10	0.0819	0.0774	0.0045	0.0114	0.4072	0.0933	0.3139	0.0085	0.0028	0.7760	0.3076	5.7115	0.0720	21.90	21.90	24.20	24.20	6.90	6.90	1.69			47.94	32.94	10.99	91.55	91.55

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
116.0	25-Oct-00	1345	123	Pelican Bank	25.44500	-80.28333	2000.81	BB	MAIN	0.81	10	2000	2000-10	0.0277	0.0260	0.0017	0.0080	0.2579	0.0357	0.2222	0.0068	0.0016	0.2102	0.2128	3.3410	0.0179	30.10	30.00	24.30	24.30	6.90	6.90	1.46			37.73	21.95	5.23	96.65	96.59
116.0	25-Oct-00	1137	124	South Midbay	25.47250	-80.23333	2000.81	BB	MAIN	0.81	10	2000	2000-10	0.0044	0.0038	0.0006	0.0075	0.2111	0.0119	0.1991	0.0076	0.0012	0.2335	0.1396	2.8030	0.0105	33.30	33.30	24.00	24.00	5.20	5.20	1.12			27.73	10.20	1.57	74.11	74.11
116.0	24-Oct-00	0925	126	BNP Marker B	25.67167	-80.20500	2000.81	BB	MAIN	0.81	10	2000	2000-10	0.0081	0.0068	0.0013	0.0051	0.2096	0.0132	0.1964	0.0084	0.0016	0.6764	1.3566	3.2068	0.0433	30.90	30.90	24.30	24.20	7.10	7.00	2.87			24.93	8.34	1.57	99.97	98.45
116.0	24-Oct-00	0946	127	Shoal Point	25.63000	-80.25000	2000.81	BB	IS	0.81	10	2000	2000-10	0.0244	0.0213	0.0031	0.0046	0.2587	0.0290	0.2297	0.0075	0.0016	0.2267	0.5705	3.4493	0.0865	28.40	28.40	24.30	24.20	7.10	7.00	1.13			34.62	17.89	3.88	98.37	96.87
116.0	24-Oct-00	1015	128	Matheson Beach	25.68833	-80.23333	2000.81	BB	IS	0.81	10	2000	2000-10	0.0071	0.0057	0.0013	0.0045	0.2950	0.0115	0.2835	0.0099	0.0013	0.9439	1.8065	3.3575	0.0620	31.90	32.00	24.30	24.40	7.00	6.90	2.78			29.76	8.75	1.16	99.20	97.96
116.0	24-Oct-00	1040	129	Marker G-71	25.73667	-80.18500	2000.81	BB	MAIN	0.81	10	2000	2000-10	0.0237	0.0197	0.0040	0.0148	0.2504	0.0385	0.2119	0.0075	0.0011	0.3625	2.0857	2.9725	0.1471	31.90	32.70	24.70	24.80	6.70	7.00	1.96			33.21	36.45	5.10	95.38	100.27
116.0	24-Oct-00	1300	130	South Dodge Island	25.76333	-80.17167	2000.81	BB	NBAY	0.81	10	2000	2000-10	0.0062	0.0050	0.0012	0.0034	0.1858	0.0096	0.1762	0.0085	0.0014	0.2118	1.9881	2.2183	0.0422	34.40	34.40	25.20	25.20	7.40	7.40	2.15			21.73	6.76	1.12	107.63	107.63
116.0	24-Oct-00	1130	131	North Venetian Basin	25.80000	-80.16667	2000.81	BB	NBAY	0.81	10	2000	2000-10	0.0181	0.0163	0.0018	0.0088	0.3065	0.0269	0.2796	0.0095	0.0018	0.5992	1.7266	4.2270	0.1988	27.50	28.10	24.20	24.50	7.20	7.10	2.85			32.34	14.95	2.84	99.06	98.40
116.0	24-Oct-00	1140	132	North I-195 Basin	25.81667	-80.16667	2000.81	BB	NBAY	0.81	10	2000	2000-10	0.0139	0.0123	0.0015	0.0056	0.2906	0.0194	0.2711	0.0100	0.0012	0.6819	3.6550	4.4953	0.1969	26.90	27.60	24.10	23.80	7.10	7.00	2.85			29.00	15.98	1.94	97.19	95.92
116.0	24-Oct-00	1205	133	North Normandy Isle	25.86667	-80.15000	2000.81	BB	NBAY	0.81	10	2000	2000-10	0.0058	0.0044	0.0015	0.0022	0.2093	0.0080	0.2013	0.0075	0.0008	0.2887	2.5397	2.7520	0.1275	33.40	33.20	24.90	24.90	6.80	7.50	4.23			28.08	9.51	1.07	97.96	107.90
116.0	24-Oct-00	1245	134	Oleta River Park	25.90500	-80.13333	2000.81	BB	NBAY	0.81	10	2000	2000-10	0.0261	0.0226	0.0034	0.0030	0.2325	0.0291	0.2034	0.0096	0.0009	0.1110	2.7348	2.8875	0.2436	32.90	33.90	25.40	25.40	7.00	7.00	3.59			24.29	31.01	3.04	101.05	101.70
116.0	25-Oct-00	1250	135	South Card Sound	25.31667	-80.31667	2000.81	BB	SCARD	0.81	10	2000	2000-10	0.1181	0.1108	0.0073	0.0125	0.4300	0.1306	0.2993	0.0034	0.0020	0.2535	0.7156	4.1393	0.0000	26.30	26.30	24.50	24.50	6.70	6.70	0.94			127.13	64.33	38.62	91.78	91.78
117.0	22-Nov-00	0835	101	Convoy Point	25.47833	-80.32083	2000.89	BB	AS	0.89	11	2000	2000-11	0.1160	0.1106	0.0053	0.0133	0.6257	0.1293	0.4964	0.0058	0.0013	0.2488	0.3646	3.8680		25.60	25.20	22.70	22.80	6.80	6.50	1.05			107.64	98.11	22.24	90.73	86.61
117.0	20-Nov-00	1025	102	Black Point	25.54583	-80.29467	2000.89	BB	AS	0.89	11	2000	2000-11	0.1856	0.1804	0.0052	0.0238	0.5756	0.2094	0.3662	0.0061	0.0025	0.6282	0.3524	5.2220		25.80	25.80	25.70	25.80	5.60	5.60	0.55			94.01	84.42	34.20	77.48	77.56
117.0	20-Nov-00	1035	103	Near Black Ledge	25.57333	-80.28667	2000.89	BB	IS	0.89	11	2000	2000-11	0.0537	0.0490	0.0048	0.0179	0.5328	0.0716	0.4612	0.0074	0.0029	0.6162	0.3320	5.0078		25.00	25.00	25.80	25.80	6.20	6.10	0.51			72.37	24.32	9.73	85.44	84.06
117.0	20-Nov-00	0950	104	BNP Marker C	25.60167	-80.22083	2000.89	BB	MAIN	0.89	11	2000	2000-11	0.0061	0.0054	0.0007	0.0038	0.3038	0.0099	0.2939	0.0070	0.0022	0.1054	0.1762	2.9885		34.90	34.90	25.00	25.00	6.20	6.20	0.66			43.55	4.56	1.42	90.28	90.28
117.0	20-Nov-00	1000	108	Marker G-1B	25.56917	-80.19250	2000.89	BB	MAIN	0.89	11	2000	2000-11	0.0051	0.0043	0.0008	0.0036	0.3060	0.0086	0.2973	0.0069	0.0023	0.0964	0.1708	2.9555		34.50	34.50	25.20	25.20	6.20	6.20	0.59			44.36	3.72	1.25	90.24	90.24
117.0	20-Nov-00	1010	109	North Midbay	25.56417	-80.23500	2000.89	BB	MAIN	0.89	11	2000	2000-11	0.0056	0.0045	0.0011	0.0049	0.2846	0.0105	0.2740	0.0067	0.0020	0.1066	0.2616	3.1633		34.90	34.90	25.10	25.10	5.90	5.90	0.60			42.70	5.23	1.58	86.00	86.00
117.0	22-Nov-00	0855	110	Fender Point	25.50500	-80.28750	2000.89	BB	IS	0.89	11	2000	2000-11	0.0323	0.0298	0.0025	0.0086	0.3113	0.0409	0.2704	0.0058	0.0019	0.1234	0.2968	3.3945		31.00	31.20	23.20	23.20	6.60	6.50	0.85			53.55	22.00	7.04	91.79	90.52
117.0	22-Nov-00	0910	111	Featherbed Bank	25.51583	-80.24000	2000.89	BB	MAIN	0.89	11	2000	2000-11	0.0039	0.0031	0.0008	0.0030	0.2141	0.0069	0.2071	0.0068	0.0019	0.0973	0.2439	2.6750		35.70	35.60	23.60	23.60	6.20	6.10	1.36			31.39	3.58	1.02	89.34	87.84
117.0	22-Nov-00	0945	112	Sands Cut	25.48833	-80.18833	2000.89	BB	MAIN	0.89	11	2000	2000-11	0.0039	0.0033	0.0006	0.0028	0.2394	0.0066	0.2328	0.0096	0.0014	0.1096	0.6193	2.6595		36.20	36.10	22.90	22.90	6.20	6.20	5.95			24.91	4.74	0.69	88.88	88.82
117.0	22-Nov-00	1020	113	Elliott Key	25.44167	-80.22333	2000.89	BB	MAIN	0.89	11	2000	2000-11	0.0071	0.0057	0.0014	0.0250	0.3013	0.0321	0.2692	0.0084	0.0012	0.1520	0.6085	3.1608		35.10	35.10	23.40	23.40	6.30	6.40	3.36			35.67	25.91	3.80	90.21	91.64
117.0	22-Nov-00	1035	116	Rubicon Keys	25.40000	-80.25500	2000.89	BB	MAIN	0.89	11	2000	2000-11	0.0099	0.0090	0.0009	0.0148	0.3148	0.0247	0.2901	0.0081	0.0019	0.2396	0.4364	3.4230		33.50	33.50	23.50	23.60	6.40	6.30	2.42			38.68	13.28	3.04	90.80	89.49
117.0	22-Nov-00	1055	121	North Card Sound	25.35500	-80.29167	2000.89	BB	SCARD	0.89	11	2000	2000-11	0.0073	0.0062	0.0011	0.0079	0.3231	0.0152	0.3079	0.0071	0.0026	0.3459	0.6735	4.8658		30.30	30.30	23.10	23.20	6.30	6.10	1.31			45.82	5.78	2.16	87.12	84.45
117.0	22-Nov-00	1240	122	West Arsenicker	25.42017	-80.31083	2000.89	BB	IS	0.89	11	2000	2000-11	0.0254	0.0225	0.0029	0.0105	0.3469	0.0359	0.3110	0.0074	0.0018	0.2378	0.4377	4.4695		28.20	28.20	22.40	22.40	7.10	7.10	0.85			46.63	19.45	4.82	95.99	95.99
117.0	22-Nov-00	1225	123	Pelican Bank	25.44500	-80.28333	2000.89	BB	MAIN	0.89	11	2000	2000-11	0.0266	0.0250	0.0016	0.0068	0.2777	0.0334	0.2444	0.0064	0.0023	0.1559	0.3429	3.3418		32.00	31.90	22.60	22.60	6.90	6.80	1.16			43.18	14.36	5.19	95.88	94.43
117.0	22-Nov-00	0925	124	South Midbay	25.47250	-80.23333	2000.89	BB	MAIN	0.89	11	2000	2000-11	0.0044	0.0036	0.0008	0.0084	0.2734	0.0128	0.2606	0.0066	0.0008	0.1100	0.2860	2.9060		35.50	35.50	23.70	23.80	6.50	6.30	0.95			41.51	16.53	1.94	93.65	90.87
117.0	20-Nov-00	0930	126	BNP Marker B	25.67167	-80.20500	2000.89	BB	MAIN	0.89	11	2000	2000-11	0.0053	0.0043	0.0010	0.0059	0.3348	0.0112	0.3237	0.0064	0.0013	0.0981	0.2710	3.5460		33.50	33.60	27.90	27.90	6.30	6.40	1.04			52.69	8.47	1.76	93.50	95.04
117.0	20-Nov-00	1100	127	Shoal Point	25.63000	-80.25000	2000.89	BB	IS	0.89	11	2000	2000-11	0.0215	0.0189	0.0026	0.0152	0.3304	0.0367	0.2938	0.0075	0.0015	0.1232	0.2128	3.9705		30.60	32.60	25.70	25.30	5.60	5.60	0.38			43.96	24.91	4.88	79.90	80.60
117.0	20-Nov-00	1110	128	Matheson Beach	25.68833	-80.23333	2000.89	BB	IS	0.89	11	2000	2000-11	0.0081	0.0069	0.0011	0.0071	0.2896	0.0152	0.2744	0.0073	0.0025	0.1020	0.2792	3.9080		31.60	32.20	25.70	25.20	5.70	6.00	0.31			39.75	6.13	2.09	81.85	86.04
117.0	20-Nov-00	1128	129	Marker G-71	25.73667	-80.18500	2000.89	BB	MAIN	0.89	11	2000	2000-11	0.0068	0.0053	0.0015	0.0135	0.2234	0.0202	0.2031	0.0071	0.0016	0.0870	0.5611	3.6810		32.80	34.30	25.40	25.40	5.90	6.10	0.84			31.26	12.43	2.83	85.12	88.85
117.0	20-Nov-00	1137	130	South Dodge Island	25.76333	-80.17167	2000.89	BB	NBAY	0.89	11	2000	2000-11	0.0095	0.0079	0.0015	0.0124	0.1980	0.0218	0.1762	0.0080	0.0019	0.0843	0.6912	3.5595		32.30	33.20	25.40	25.50	6.00	6.10	1.53			24.80	11.25	2.73	86.28	88.32
117.0	20-Nov-00	1155	131	North Venetian Basin	25.80000	-80.16667	2000.89	BB	NBAY	0.89	11	2000	2000-11	0.0172	0.0152	0.0020	0.0106	0.1884	0.0278	0.1607	0.0084	0.0000	0.0563	0.8443	3.2398		32.80	32.80	25.60	25.60	5.80	5.70	1.08			22.31		3.29	83.85	82.40
117.0	22-Nov-00	1215	132	North I-195 Basin	25.81667	-80.16667	2000.89	BB	NBAY	0.89	11	2000	2000-11	0.0084	0.0069	0.0016	0.0155	0.1949	0.0239	0.1710	0.0091	0.0007	0.0826	0.6857	3.3075		32.30	32.50	25.30	25.30	5.50	5.40	0.67			21.49	34.32	2.64	79.01	77.67
117.0	22-Nov-00	1244	133	North Normandy Isle	25.86667	-80.15000	2000.89	BB	NBAY	0.89	11	2000	2000-11	0.0217	0.0187	0.0030	0.0199	0.2184	0.0416	0.1768	0.0126	0.0008	0.1119	1.3674	3.1303		32.50	33.80	26.00	26.10	5.90	6.00	1.30			17.39	53.65	3.31	85.48	87.74
117.0	22-Nov-00	1300	134	Oleta River Park	25.90500	-80.13333	2000.89	BB	NBAY	0.89	11	2000	2000-11	0.0124	0.0104	0.0020	0.0103	0.1879	0.0227	0.1652	0.0107	0.0010	0.0942	1.6981	2.6263		35.70	36.10	25.80	25.80	6.00	6.20	1.34			17.57	22.55	2.12	88.55	91.73
117.0	22-Nov-00	1115	135	South Card Sound	25.31667	-80.31667	2000.89	BB	SCARD	0.89	11	2000	2000-11	0.0078	0.0059	0.0019	0.0085	0.2832	0.0163	0.2669	0.0096	0.0016	0.1023	0.5814	3.7730		30.00	30.00	24.00	24.00	6.40	6.30	0.45			29.47	10.50	1.69	89.28	87.89
118.0	06-Dec-00	0910	101	Convoy Point	25.47833	-80.32083	2000.93	BB	AS	0.93	12	2000	2000-12	0.0390	0.0366	0.0023	0.0036	0.3411	0.0426	0.2985	0.0213	0.0016	0.2219	0.1816	3.9728		29.20	29.50	19.30	19.40	6.90	7.00	0.49			15.98	27.48	2.00	89.88	91.51
118.0	05-Dec-00	1020	102	Black Point	25.54583	-80.29467	2000.93	BB	AS	0.93	12	2000	2000-12	0.0075	0.0063	0.0012	0.0034	0.3341	0.0110	0.3232	0.0222	0.0015	0.1979	0.1992	3.8420		31.20	31.20	20.10	20.10	6.50	6.50	0.29			15.02	7.44	0.49	86.84	86.84
118.0	05-Dec-00	1035	103	Near Black Ledge	25.57333	-80.28667	2000.93	BB	IS	0.93	12	2000	2000-12	0.0093	0.0075	0.0019	0.0044	0.3682	0.0138	0.3544	0.0215	0.0022	0.2674	0.2141	3.4570		31.80	31.80	19.90	19.90	7.70	7.80	0.43			17.10	6.12	0.64	102.98	104.32
118.0	05-Dec-00	0935	104	BNP Marker C	25.60167	-80.22083	2000.93	BB	MAIN	0.93	12	2000	2000-12	0.0054	0.0039	0.0015	0.0029	0.3712	0.0082	0.3630	0.0197	0.0017	0.0797	0.2331	2.5923		34.80	34.80	20.40	20.40	6.50	6.30	1.22			18.85	4.82	0.42	89.33	86.58
118.0	05-Dec-00	0948	108	Marker G-1B	25.56917	-80.19250	2000.93	BB	MAIN	0.93	12	2000	2000-12	0.0040	0.0031	0.0009	0.0027	0.3592	0.0067	0.3526	0.0204	0.0019	0.1376	0.2588	2.4205		35.00	35.00	20.40	20.40	6.40	6.40	1.16			17.57	3.58	0.33	88.07	88.07
118.0	05-Dec-00	1003	109	North Midbay	25.56417	-80.23500	2000.93	BB	MAIN	0.93	12	2000	2000-12	0.0054	0.0048	0.0006	0.0032	0.3324	0.0086	0.3238	0.0188	0.0019	0.0828	0.1315	2.6488		34.50	34.50	20.50	20.50	6.30	6.30	0.47			17.67	4.63	0.46	86.53	86.53
118.0	06-Dec-00	0930	110	Fender Point	25.50500	-80.28750	2000.93	BB	IS	0.93	12	2000	2000-12	0.0086	0.0076	0.0010	0.0042	0.3653	0.0128	0.3524	0.0191	0.0019	0.1245	0.1287	3.2955		31.70	32.00	19.70	19.70	7.10	7.00	0.45			19.08	6.61	0.67	94.62	93.47
118.0	06-Dec-00	0945	111	Featherbed Bank	25.51583	-80.24000	2000.93	BB	MAIN	0.93	12	2000	2000-12	0.0041	0.0036	0.0005	0.0025	0.3773	0.0065	0.3708	0.0143	0.0013	0.1166	0.1373	2.5738		35.20	35.20	19.90	20.00	6.60	6.80	1.27			26.46	4.94	0.46	90.30	93.17
118.0	06-Dec-00	1005	112	Sands Cut	25.48833	-80.18833	2000.93	BB	MAIN	0.93	12	2000	2000-12	0.0044	0.0040	0.0004	0.0030	0.3489	0.0074	0.3415	0.0144	0.0016	0.1013	0.1572	2.5433		35.30	35.30	19.60	19.60	6.90	6.80	0.87			24.22	4.79	0.52	94.05	92.69
118.0	06-Dec-00	1040	113	Elliott Key	25.44167	-80.22333	2000.93	BB	MAIN	0.93	12	2000	2000-12	0.0067	0.0060	0.0006	0.0078	0.3861	0.0144	0.3717	0.0124	0.0022	0.1211	0.1857	2.5125		35.70	35.70	20.00	20.00	6.90	6.90	1.31			31.04	6.65	1.16	94.85	94.85
118.0	06-Dec-00	1055	116	Rubicon Keys	25.40000	-80.25500	2000.93	BB	MAIN	0.93	12	2000	2000-12	0.0115	0.0108	0.0007	0.0121	0.3968	0.0236	0.3732	0.0135	0.0011	0.1174	0.2114	2.8145		35.60	35.70	20.10	20.10	7.00	7.00	1.32			29.46	21.77	1.75	96.30	96.37
118.0	06-Dec-00	1110	121	North Card Sound	25.35500	-80.29167	2000.93	BB	SCARD	0.93	12	2000	2000-12	0.0326	0.0304	0.0022	0.0064	0.2890	0.0390	0.2500	0.0118	0.0018	0.2094	0.1775	3.8408		29.10	31.60	20.20	20.00	7.30	7.20	0.55			4.38	21.85	3.31	96.32	96.31
118.0	06-Dec-00	1152	122	West Arsenicker	25.42017	-80.31083	2000.93	BB	IS	0.93	12	2000	2000-12	0.0860	0.0807	0.0053	0.0122	0.3960	0.0981	0.2979	0.0108	0.0022	0.5624	0.1965	4.3465		26.30	27.00	20.10	20.10	7.10	7.20	0.55			6.68	43.67	9.11	91.82	93.54
118.0	06-Dec-00	1230	123	Pelican Bank	25.44500	-80.28333	2000.93	BB	MAIN	0.93	12	2000	2000-12	0.0112	0.0098	0.0014	0.0047	0.2340	0.0159	0.2181	0.0103	0.0022	0.1015	0.1125	3.0163		33.50	33.60	20.20	20.20	7.10	7.00	0.63			6.62	7.09	1.54	96.46	95.17
118.0	06-Dec-00	1025	124	South Midbay	25.47250	-80.23333	2000.93	BB	MAIN	0.93	12	2000	2000-12	0.0069	0.0059	0.0010	0.0055	0.2390	0.0124	0.2266	0.0167	0.0026	0.1106	0.1559	2.6490		35.70	35.70	20.20	20.20	6.90	6.90	0.82			2.58	4.70	0.74	95.13	95.13
118.0	05-Dec-00	0910	126	BNP Marker B	25.67167	-80.20500	2000.93	BB	MAIN	0.93	12	2000	2000-12	0.0074	0.0062	0.0011	0.0062	0.2480	0.0136	0.2344	0.0148	0.0004	0.1414	0.5272	2.5228		35.10	35.10	20.80	20.80	6.10	6.10	0.45			4.22	35.05	0.92	84.47	84.47
118.0	05-Dec-00	1100	127	Shoal Point	25.63000	-80.25000	2000.93	BB	IS	0.93	12	2000	2000-12	0.0062	0.0054	0.0008	0.0038	0.2564	0.0100	0.2465	0.0137	0.0005	0.0788	0.2331	3.4220		32.70	32.80	20.60	20.60	7.70	7.70	0.25			18.69	18.39	0.73	104.65	104.72
118.0	05-Dec-00	1120	128	Matheson Beach	25.68833	-80.23333	2000.93	BB	IS	0.93	12	2000	2000-12	0.0078	0.0070	0.0008	0.0037	0.3562	0.0115	0.3447	0.0125	0.0005	0.0710	0.3266	3.0133		32.80	33.40	20.40	20.40	7.80	7.80	0.35			28.55	21.16	0.92	105.78	106.21
118.0	05-Dec-00	1140	129	Marker G-71	25.73667	-80.18500	2000.93	BB	MAIN	0.93	12	2000	2000-12	0.0100	0.0075	0.0026	0.0044	0.3418	0.0144	0.3274	0.0139	0.0014	0.0517	0.8606	2.0175		35.60	36.20	22.10	22.40	7.10	7.60	1.07			24.65	10.31	1.04	100.37	108.28
118.0	05-Dec-00	1200	130	South Dodge Island	25.76333	-80.17167	2000.93	BB	NBAY	0.93	12	2000	2000-12	0.0123	0.0112	0.0012	0.0053	0.2934	0.0176	0.2758	0.0138	0.0017	0.0505	1.0029	1.7078		36.10	36.30	22.70	22.70	7.20	7.40	1.31			21.32	10.35	1.28	102.90	105.89
118.0	05-Dec-00	1235	131	North Venetian Basin	25.80000	-80.16667	2000.93	BB	NBAY	0.93	12	2000	2000-12	0.0098	0.0068	0.0030	0.0062	0.3698	0.0160	0.3539	0.0246	0.0009	0.0802	0.6586	3.2613		32.90	32.30	20.90	20.90	7.50	7.50	1.06			15.06	17.60	0.65	102.50	102.09
118.0	05-Dec-00	1250	132	North I-195 Basin	25.81667	-80.16667	2000.93	BB	NBAY	0.93	12	2000	2000-12	0.0097	0.0086	0.0011	0.0067	0.3502	0.0164	0.3338	0.0263	0.0021	0.1098	0.5407	3.9013		31.70	31.80	20.20	20.20	7.60	7.70	0.55			13.34	7.84	0.63	102.03	103.44
118.0	05-Dec-00	1308	133	North Normandy Isle	25.86667	-80.15000	2000.93	BB	NBAY	0.93	12	2000	2000-12	0.0054	0.0041	0.0014	0.0055	0.3374	0.0110	0.3264	0.0380	0.0012	0.0392	1.4691	1.7875		36.50	36.50	22.00	22.00	7.70	7.60	2.72			8.87	9.42	0.29	109.36	107.94
118.0	05-Dec-00	1330	134	Oleta River Park	25.90500	-80.13333	2000.93	BB	NBAY	0.93	12	2000	2000-12	0.0076	0.0066	0.0009	0.0034	0.3279	0.0109	0.3170	0.0385	0.0019	0.0405	1.2007	1.6425		36.30	36.50	22.50	22.90	7.50	7.40	0.97			8.52	5.64	0.28	107.06	106.29
118.0	06-Dec-00	1125	135	South Card Sound	25.31667	-80.31667	2000.93	BB	SCARD	0.93	12	2000	2000-12	0.0106	0.0096	0.0010	0.0053	0.4107	0.0159	0.3949	0.0121	0.0022	0.1417	0.2277	3.5678		31.20	32.70	20.60	20.60	7.20	6.90	0.45			33.97	7.31	1.31	96.89	93.78
119.0	30-Jan-01	0910	101	Convoy Point	25.47833	-80.32083	2001.08	BB	AS	0.08	01	2001	2001-01	0.0454	0.0416	0.0038	0.0166	0.3879	0.0620	0.3260	0.0098	0.0012	0.2371	0.0909	3.0805	0.0123	27.60	27.60	19.20	19.20	7.50	7.60	0.76			87.96	110.63	14.05	96.51	97.80
119.0	30-Jan-01	0945	102	Black Point	25.54583	-80.29467	2001.08	BB	AS	0.08	01	2001	2001-01	0.0028	0.0010	0.0018	0.0365	0.3603	0.0393	0.3211	0.0110	0.0012	0.4557	0.1667	3.8335	0.0503	26.60	26.50	19.90	19.90	7.70	7.70	0.65			72.50	70.13	7.90	99.48	99.41
119.0	29-Jan-01	1100	103	Near Black Ledge	25.57333	-80.28667	2001.08	BB	IS	0.08	01	2001	2001-01	0.0012	0.0000	0.0012	0.0058	0.3436	0.0070	0.3366	0.0222	0.0016	0.2184	0.0965	3.7230	0.0294	29.50	29.50	18.20	18.20	8.10	8.00	0.64			34.21	10.05	0.70	103.91	102.63
119.0	29-Jan-01	1011	104	BNP Marker C	25.60167	-80.22083	2001.08	BB	MAIN	0.08	01	2001	2001-01	0.0007	0.0000	0.0007	0.0031	0.2228	0.0037	0.2191	0.0136	0.0013	0.0528	0.1213	1.8918	0.0000	34.40	34.40	17.10	17.20	8.10	8.10	1.45			36.38	6.29	0.61	105.48	105.66
119.0	29-Jan-01	1028	108	Marker G-1B	25.56917	-80.19250	2001.08	BB	MAIN	0.08	01	2001	2001-01	0.0007	0.0000	0.0007	0.0026	0.2000	0.0032	0.1967	0.0134	0.0009	0.0627	0.1130	1.4288	0.0000	36.20	36.10	18.70	18.80	7.30	7.40	0.91			33.02	8.33	0.53	98.75	100.19
119.0	29-Jan-01	1045	109	North Midbay	25.56417	-80.23500	2001.08	BB	MAIN	0.08	01	2001	2001-01	0.0004	0.0000	0.0004	0.0097	0.2422	0.0100	0.2322	0.0087	0.0015	0.0530	0.0923	2.6143	0.0000	35.60	35.50	17.60	17.60	8.10	8.20	1.33			61.80	15.11	2.56	107.23	108.48
119.0	30-Jan-01	0921	110	Fender Point	25.50500	-80.28750	2001.08	BB	IS	0.08	01	2001	2001-01	0.0342	0.0321	0.0021	0.0122	0.3359	0.0464	0.2895	0.0106	0.0017	0.1094	0.1488	3.4723	0.0025	31.00	30.90	18.90	18.90	7.00	7.00	0.92			70.10	60.27	9.68	91.72	91.66
119.0	30-Jan-01	1000	111	Featherbed Bank	25.51583	-80.24000	2001.08	BB	MAIN	0.08	01	2001	2001-01	0.0005	0.0000	0.0005	0.0032	0.2403	0.0037	0.2366	0.0078	0.0012	0.0678	0.1185	2.8378	0.0000	35.00	35.00	18.30	18.30	7.20	7.10	1.13			68.01	7.13	1.06	96.01	94.67
119.0	30-Jan-01	1226	112	Sands Cut	25.48833	-80.18833	2001.08	BB	MAIN	0.08	01	2001	2001-01	0.0004	0.0001	0.0003	0.0019	0.2487	0.0023	0.2463	0.0092	0.0012	0.0556	0.1350	2.9228	0.0000	35.00	35.10	19.70	19.60	7.10	7.40	1.71			59.80	4.13	0.56	96.72	100.73
119.0	30-Jan-01	1210	113	Elliott Key	25.44167	-80.22333	2001.08	BB	MAIN	0.08	01	2001	2001-01	0.0034	0.0028	0.0006	0.0073	0.2298	0.0107	0.2190	0.0120	0.0006	0.0468	0.0909	2.8668	0.0048	35.90	35.80	19.00	18.90	7.00	7.40	0.91			42.53	38.35	1.99	94.94	100.14
119.0	30-Jan-01	1101	116	Rubicon Keys	25.40000	-80.25500	2001.08	BB	MAIN	0.08	01	2001	2001-01	0.0017	0.0011	0.0006	0.0028	0.2562	0.0045	0.2517	0.0132	0.0013	0.0934	0.0909	3.1348	0.0034	34.40	34.50	19.40	19.40	6.60	6.70	0.47			43.14	7.59	0.76	89.15	90.56
119.0	30-Jan-01	1122	121	North Card Sound	25.35500	-80.29167	2001.08	BB	SCARD	0.08	01	2001	2001-01	0.0018	0.0012	0.0005	0.0033	0.2992	0.0050	0.2941	0.0096	0.0019	0.1000	0.2246	3.8045	0.1607	32.50	32.50	18.60	18.60	7.40	7.60	0.74			68.97	6.00	1.16	97.49	100.12
119.0	30-Jan-01	1047	122	West Arsenicker	25.42017	-80.31083	2001.08	BB	IS	0.08	01	2001	2001-01	0.0424	0.0401	0.0023	0.0123	0.3552	0.0547	0.3005	0.0092	0.0026	0.1772	0.0978	3.6400	0.1793	29.60	29.60	19.80	19.70	7.00	7.10	0.47			85.56	45.94	13.17	92.12	93.30
119.0	30-Jan-01	1032	123	Pelican Bank	25.44500	-80.28333	2001.08	BB	MAIN	0.08	01	2001	2001-01	0.0449	0.0435	0.0014	0.0115	0.3251	0.0564	0.2688	0.0088	0.0024	0.0957	0.1006	3.0538	0.0255	31.00	31.00	19.10	19.10	6.80	6.70	0.74			81.92	51.96	14.20	89.38	88.07
119.0	30-Jan-01	1014	124	South Midbay	25.47250	-80.23333	2001.08	BB	MAIN	0.08	01	2001	2001-01	0.0036	0.0032	0.0004	0.0129	0.2782	0.0165	0.2618	0.0086	0.0013	0.0617	0.0799	2.5045	0.0177	35.10	35.10	18.40	18.40	6.20	7.00	0.59			71.48	27.65	4.23	82.86	93.55
119.0	29-Jan-01	0940	126	BNP Marker B	25.67167	-80.20500	2001.08	BB	MAIN	0.08	01	2001	2001-01	0.0008	0.0000	0.0008	0.0042	0.2923	0.0050	0.2872	0.0091	0.0010	0.0907	0.1667	2.5410	0.2787	34.10	34.00	17.50	17.50	7.90	8.00	1.55			71.43	11.08	1.23	103.36	104.59
119.0	29-Jan-01	1122	127	Shoal Point	25.63000	-80.25000	2001.08	BB	IS	0.08	01	2001	2001-01	0.0008	0.0000	0.0008	0.0013	0.2817	0.0021	0.2796	0.0101	0.0007	0.0846	0.0868	2.7673	0.0011	34.50	34.40	17.70	17.80	8.30	8.30	0.60			61.88	6.67	0.46	109.24	109.35
119.0	29-Jan-01	1135	128	Matheson Beach	25.68833	-80.23333	2001.08	BB	IS	0.08	01	2001	2001-01	0.0007	0.0000	0.0007	0.0031	0.2862	0.0038	0.2824	0.0102	0.0013	0.0980	0.2577	2.9920	0.0177	32.50	32.10	17.90	17.90	8.20	8.20	1.60			61.91	6.38	0.82	106.82	106.54
119.0	29-Jan-01	1205	129	Marker G-71	25.73667	-80.18500	2001.08	BB	MAIN	0.08	01	2001	2001-01	0.0005	0.0000	0.0005	0.0198	0.2181	0.0203	0.1978	0.0103	0.0026	0.0992	0.4065	2.3438	0.2652	35.00	35.10	18.40	18.40	7.80	7.90	1.77			47.09	17.29	4.39	104.17	105.58
119.0	29-Jan-01	1220	130	South Dodge Island	25.76333	-80.17167	2001.08	BB	NBAY	0.08	01	2001	2001-01	0.0039	0.0016	0.0023	0.0050	0.2079	0.0089	0.1991	0.0108	0.0050	0.0430	0.5016	2.2158	0.0142	35.80	35.80	19.90	19.90	7.40	7.40	2.33			42.70	3.97	1.83	101.65	101.65
119.0	29-Jan-01	1327	131	North Venetian Basin	25.80000	-80.16667	2001.08	BB	NBAY	0.08	01	2001	2001-01	0.0035	0.0021	0.0014	0.0104	0.2497	0.0140	0.2357	0.0131	0.0022	0.0491	0.4809	2.2953	1.0963	34.30	34.20	19.30	19.40	7.70	7.70	1.69			42.17	13.76	2.36	103.79	103.87
119.0	29-Jan-01	1349	132	North I-195 Basin	25.81667	-80.16667	2001.08	BB	NBAY	0.08	01	2001	2001-01	0.0028	0.0024	0.0004	0.0034	0.2678	0.0062	0.2616	0.0101	0.0011	0.0625	0.3362	2.4500	0.0456	33.70	33.70	19.10	19.10	8.50	8.60	1.75			58.71	12.64	1.36	113.76	115.10
119.0	29-Jan-01	1434	133	North Normandy Isle	25.86667	-80.15000	2001.08	BB	NBAY	0.08	01	2001	2001-01	0.0106	0.0085	0.0021	0.0106	0.2822	0.0212	0.2610	0.0113	0.0007	0.0783	0.4037	2.4823	0.2836	33.80	34.90	18.90	19.20	7.50	7.60	3.40			55.22	67.22	4.14	100.14	102.70
119.0	29-Jan-01	1449	134	Oleta River Park	25.90500	-80.13333	2001.08	BB	NBAY	0.08	01	2001	2001-01	0.0033	0.0021	0.0012	0.0072	0.2220	0.0105	0.2115	0.0118	0.0007	0.0311	0.5277	1.4513	0.0356	36.30	36.20	21.20	20.60	7.20	7.20	1.85			41.74	33.33	1.97	101.05	100.16
119.0	30-Jan-01	1139	135	South Card Sound	25.31667	-80.31667	2001.08	BB	SCARD	0.08	01	2001	2001-01	0.0022	0.0009	0.0013	0.0073	0.3196	0.0096	0.3101	0.0088	0.0005	0.0928	0.1130	3.3900	0.0000	31.00	31.10	18.70	18.60	7.20	7.60	0.29			80.82	45.50	2.42	94.05	99.19
120.0	02-Mar-01	1340	101	Convoy Point	25.47833	-80.32083	2001.16	BB	AS	0.16	03	2001	2001-03	0.0046	0.0033	0.0013	0.0050	0.5382	0.0096	0.5286	0.0112	0.0000	0.2399	0.1392	3.9905		32.50	32.40	26.40	26.40	6.80	6.80	0.32			106.78		1.91	98.91	98.84
120.0	01-Mar-01	1102	102	Black Point	25.54583	-80.29467	2001.16	BB	AS	0.16	03	2001	2001-03	0.0062	0.0042	0.0020	0.0088	0.3720	0.0150	0.3570	0.0112	0.0005	0.3117	0.1846	4.3025		30.30	30.20	25.70	25.80	5.80	6.20	0.52			73.81	61.29	2.98	82.60	88.33
120.0	01-Mar-01	1115	103	Near Black Ledge	25.57333	-80.28667	2001.16	BB	IS	0.16	03	2001	2001-03	0.0048	0.0031	0.0017	0.0047	0.4709	0.0094	0.4615	0.0092	0.0015	0.3039	0.2191	3.7440		31.40	31.40	25.60	25.60	5.80	5.70	0.58			113.07	14.16	2.26	83.10	81.66
120.0	01-Mar-01	1020	104	BNP Marker C	25.60167	-80.22083	2001.16	BB	MAIN	0.16	03	2001	2001-03	0.0015	0.0004	0.0011	0.0041	0.1856	0.0056	0.1800	0.0080	0.0010	0.1175	0.1075	1.6238		36.70	36.70	25.10	25.10	6.30	6.30	0.54			51.49	12.38	1.56	92.90	92.90
120.0	01-Mar-01	1035	108	Marker G-1B	25.56917	-80.19250	2001.16	BB	MAIN	0.16	03	2001	2001-03	0.0014	0.0005	0.0009	0.0050	0.2244	0.0064	0.2180	0.0088	0.0003	0.1310	0.0579	1.5440		36.60	36.60	25.00	25.00	6.00	5.90	0.21			56.23	45.63	1.60	88.33	86.86
120.0	01-Mar-01	1045	109	North Midbay	25.56417	-80.23500	2001.16	BB	MAIN	0.16	03	2001	2001-03	0.0009	0.0002	0.0007	0.0049	0.1892	0.0057	0.1834	0.0077	0.0008	0.1516	0.0854	1.5663		36.60	36.70	25.30	25.30	6.50	6.30	0.19			54.60	16.08	1.66	95.99	93.10
120.0	02-Mar-01	1331	110	Fender Point	25.50500	-80.28750	2001.16	BB	IS	0.16	03	2001	2001-03	0.0041	0.0033	0.0009	0.0044	0.2892	0.0085	0.2807	0.0074	0.0002	0.1112	0.1364	2.4105		34.80	34.50	26.20	26.20	6.10	6.60	0.19			86.98	122.00	2.57	89.86	97.04
120.0	02-Mar-01	1317	111	Featherbed Bank	25.51583	-80.24000	2001.16	BB	MAIN	0.16	03	2001	2001-03	0.0006	0.0000	0.0006	0.0051	0.1867	0.0056	0.1810	0.0087	0.0011	0.2037	0.0758	1.6715		36.90	36.90	26.10	26.10	7.20	7.20	0.27			47.62	11.49	1.44	107.40	107.40
120.0	02-Mar-01	1144	112	Sands Cut	25.48833	-80.18833	2001.16	BB	MAIN	0.16	03	2001	2001-03	0.0008	0.0000	0.0008	0.0072	0.2266	0.0080	0.2186	0.0083	0.0017	0.0908	0.1378	1.5898		36.70	36.70	25.80	25.80	6.20	6.30	0.28			60.50	10.36	2.13	92.09	93.57
120.0	02-Mar-01	1127	113	Elliott Key	25.44167	-80.22333	2001.16	BB	MAIN	0.16	03	2001	2001-03	0.0039	0.0032	0.0007	0.0074	0.3054	0.0112	0.2942	0.0071	0.0005	0.1184	0.0537	1.8895		36.90	36.90	25.70	25.60	6.60	7.80	0.34			95.89	45.71	3.52	98.06	115.77
120.0	02-Mar-01	1021	116	Rubicon Keys	25.40000	-80.25500	2001.16	BB	MAIN	0.16	03	2001	2001-03	0.0025	0.0016	0.0009	0.0076	0.2516	0.0102	0.2415	0.0084	0.0007	0.1350	0.1268	1.9685		36.90	36.90	25.60	25.60	5.60	5.60	0.26			66.57	32.22	2.69	83.11	83.11
120.0	02-Mar-01	1037	121	North Card Sound	25.35500	-80.29167	2001.16	BB	SCARD	0.16	03	2001	2001-03	0.0012	0.0006	0.0006	0.0034	0.2606	0.0046	0.2560	0.0081	0.0004	0.1142	0.1116	2.2868		36.00	36.10	26.00	25.60	5.80	6.20	0.35			71.58	26.20	1.26	85.93	91.55
120.0	02-Mar-01	0959	122	West Arsenicker	25.42017	-80.31083	2001.16	BB	IS	0.16	03	2001	2001-03	0.0027	0.0010	0.0017	0.0118	0.4448	0.0145	0.4304	0.0088	0.0006	0.1356	0.1337	2.5595		36.60	36.50	25.40	25.40	7.00	7.70	0.30			112.48	54.34	3.65	103.48	113.76
120.0	02-Mar-01	0942	123	Pelican Bank	25.44500	-80.28333	2001.16	BB	MAIN	0.16	03	2001	2001-03	0.0072	0.0062	0.0010	0.0067	0.3964	0.0139	0.3825	0.0078	0.0010	0.2607	0.0868	2.5445		35.50	35.50	25.20	25.20	7.20	7.20	0.26			113.24	30.50	3.97	105.47	105.47
120.0	02-Mar-01	1305	124	South Midbay	25.47250	-80.23333	2001.16	BB	MAIN	0.16	03	2001	2001-03	0.0015	0.0007	0.0008	0.0087	0.2774	0.0102	0.2672	0.0080	0.0005	0.1430	0.1364	1.9585		37.00	36.90	25.90	25.60	6.80	6.90	0.45			76.95	41.43	2.82	101.29	102.41

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
120.0	01-Mar-01	1000	126	BNP Marker B	25.67167	-80.20500	2001.16	BB	MAIN	0.16	03	2001	2001-03	0.0035	0.0027	0.0008	0.0046	0.3433	0.0081	0.3352	0.0088	0.0010	0.1081	0.1888	2.0065		36.50	36.40	25.10	25.10	6.30	6.30	0.49			86.79	18.13	2.05	92.78	92.72
120.0	01-Mar-01	1140	127	Shoal Point	25.63000	-80.25000	2001.16	BB	IS	0.16	03	2001	2001-03	0.0043	0.0039	0.0005	0.0074	0.1247	0.0117	0.1130	0.0086	0.0008	0.1711	0.0772	1.9758		37.00	36.80	25.60	25.60	6.20	6.40	0.08			32.11	33.39	3.01	92.08	94.93
120.0	01-Mar-01	1200	128	Matheson Beach	25.68833	-80.23333	2001.16	BB	IS	0.16	03	2001	2001-03	0.0184	0.0171	0.0013	0.0073	0.3256	0.0257	0.2999	0.0089	0.0013	0.1009	0.3610	2.6728		33.10	35.00	26.20	25.40	6.00	7.00	0.04			80.91	43.24	6.39	87.43	102.42
120.0	01-Mar-01	1310	129	Marker G-71	25.73667	-80.18500	2001.16	BB	MAIN	0.16	03	2001	2001-03	0.0106	0.0092	0.0014	0.0093	0.3231	0.0198	0.3033	0.0101	0.0011	0.1213	0.4506	2.3850		34.60	34.70	25.80	25.70	6.20	6.30	0.11			71.02	40.46	4.36	90.86	92.29
120.0	01-Mar-01	1330	130	South Dodge Island	25.76333	-80.17167	2001.16	BB	NBAY	0.16	03	2001	2001-03	0.0102	0.0086	0.0015	0.0090	0.2050	0.0191	0.1859	0.0100	0.0016	0.1891	0.5429	1.9485		35.20	35.30	25.90	25.60	6.10	6.30	0.09			45.41	27.35	4.24	89.82	92.55
120.0	01-Mar-01	1345	131	North Venetian Basin	25.80000	-80.16667	2001.16	BB	NBAY	0.16	03	2001	2001-03	0.0125	0.0116	0.0009	0.0071	0.1401	0.0197	0.1205	0.0100	0.0010	0.1630	0.6311	2.1250		34.60	34.60	26.50	25.80	6.30	6.80	0.10			31.04	43.22	4.36	92.96	99.65
120.0	01-Mar-01	1400	132	North I-195 Basin	25.81667	-80.16667	2001.16	BB	NBAY	0.16	03	2001	2001-03	0.0079	0.0065	0.0014	0.0140	0.3101	0.0219	0.2882	0.0095	0.0007	0.1456	0.7620	2.4150		34.50	34.50	25.90	25.90	6.80	6.90	0.09			72.62	65.73	5.12	99.68	101.15
120.0	01-Mar-01	1420	133	North Normandy Isle	25.86667	-80.15000	2001.16	BB	NBAY	0.16	03	2001	2001-03	0.0086	0.0071	0.0015	0.0146	0.2690	0.0232	0.2458	0.0130	0.0008	0.2193	0.8019	2.9853		34.10	34.40	25.50	25.50	5.90	5.90	0.10			45.75	62.06	3.95	85.92	86.08
120.0	01-Mar-01	1442	134	Oleta River Park	25.90500	-80.13333	2001.16	BB	NBAY	0.16	03	2001	2001-03	0.0068	0.0057	0.0011	0.0097	0.1017	0.0165	0.0852	0.0099	0.0009	0.1028	0.4203	1.7498		35.60	35.90	26.10	25.40	6.50	6.60	0.06			22.71	40.00	3.69	96.15	97.13
120.0	02-Mar-01	1049	135	South Card Sound	25.31667	-80.31667	2001.16	BB	SCARD	0.16	03	2001	2001-03	0.0055	0.0048	0.0007	0.0106	0.2729	0.0162	0.2567	0.0095	0.0012	0.2171	0.1075	3.0773		34.50	34.80	25.80	25.40	6.50	6.80	0.21			63.92	28.88	3.79	95.19	99.37
121.0	23-Mar-01	1102	101	Convoy Point	25.47833	-80.32083	2001.22	BB	AS	0.22	03	2001	2001-03	0.0014	0.0009	0.0006	0.0022	0.3352	0.0037	0.3315	0.0043	0.0004	0.1432	0.0441	3.3083		37.00	37.10	20.80	20.70	6.60	6.60	0.67			174.11	21.88	1.91	92.56	92.49
121.0	23-Mar-01	1020	102	Black Point	25.54583	-80.29467	2001.22	BB	AS	0.22	03	2001	2001-03	0.0008	0.0005	0.0003	0.0016	0.4779	0.0024	0.4754	0.0057	0.0010	0.3421	0.0978	6.1403		32.90	32.90	20.40	20.40	6.50	6.70	0.47			187.03	5.31	0.95	88.21	90.93
121.0	23-Mar-01	1005	103	Near Black Ledge	25.57333	-80.28667	2001.22	BB	IS	0.22	03	2001	2001-03	0.0021	0.0018	0.0003	0.0029	0.2784	0.0050	0.2734	0.0040	0.0006	0.1306	0.0978	2.9050		36.00	36.00	21.50	21.50	6.20	6.40	0.44			152.99	17.88	2.75	87.20	90.01
121.0	22-Mar-01	0805	104	BNP Marker C	25.60167	-80.22083	2001.22	BB	MAIN	0.22	03	2001	2001-03	0.0019	0.0014	0.0005	0.0023	0.2620	0.0043	0.2577	0.0049	0.0003	0.0989	0.1102	2.2708		36.90	36.80	23.10	23.10	7.80	9.00	4.62			118.80	30.50	1.94	112.60	129.84
121.0	22-Mar-01	0840	108	Marker G-1B	25.56917	-80.19250	2001.22	BB	MAIN	0.22	03	2001	2001-03	0.0013	0.0009	0.0004	0.0010	0.1703	0.0023	0.1680	0.0042	0.0009	0.0747	0.0717	1.8950		37.00	37.10	20.80	21.00	7.70	8.60	1.49			90.10	6.00	1.22	107.98	121.01
121.0	22-Mar-01	0909	109	North Midbay	25.56417	-80.23500	2001.22	BB	MAIN	0.22	03	2001	2001-03	0.0012	0.0009	0.0003	0.0006	0.1738	0.0018	0.1720	0.0043	0.0009	0.1041	0.1185	2.4220		37.00	37.00	23.10	23.10	6.30	4.90	3.95			90.30	4.48	0.95	87.20	72.00
121.0	23-Mar-01	1050	110	Fender Point	25.50500	-80.28750	2001.22	BB	IS	0.22	03	2001	2001-03	0.0025	0.0023	0.0002	0.0016	0.2582	0.0041	0.2542	0.0046	0.0007	0.0797	0.0592	3.1235		37.20	37.20	21.20	21.10	6.20	6.40	0.45			125.05	13.03	1.97	87.54	90.24
121.0	23-Mar-01	1655	111	Featherbed Bank	25.51583	-80.24000	2001.22	BB	MAIN	0.22	03	2001	2001-03	0.0014	0.0012	0.0002	0.0025	0.2138	0.0039	0.2099	0.0042	0.0003	0.0896	0.0413	2.8060		37.70	37.70	22.50	22.50	8.30	8.40	0.92			113.11	27.75	2.06	119.57	121.01
121.0	23-Mar-01	1620	112	Sands Cut	25.48833	-80.18833	2001.22	BB	MAIN	0.22	03	2001	2001-03	0.0025	0.0023	0.0002	0.0033	0.2269	0.0058	0.2211	0.0040	0.0008	0.0606	0.0000	2.3590		37.10	37.10	21.30	21.20	8.40	8.70	0.74			124.67	16.70	3.21	118.68	122.75
121.0	23-Mar-01	1605	113	Elliott Key	25.44167	-80.22333	2001.22	BB	MAIN	0.22	03	2001	2001-03	0.0027	0.0026	0.0001	0.0028	0.2371	0.0055	0.2316	0.0041	0.0009	0.0937	0.0179	2.3983		37.00	36.90	21.80	21.70	8.30	8.40	1.71			127.84	14.36	2.98	117.97	119.15
121.0	23-Mar-01	1155	116	Rubicon Keys	25.40000	-80.25500	2001.22	BB	MAIN	0.22	03	2001	2001-03	0.0032	0.0029	0.0003	0.0016	0.2366	0.0048	0.2319	0.0040	0.0004	0.0871	0.1116	2.7518		36.30	36.60	22.00	21.50	6.50	6.50	1.28			132.56	27.20	2.67	92.20	91.78
121.0	23-Mar-01	1211	121	North Card Sound	25.35500	-80.29167	2001.22	BB	SCARD	0.22	03	2001	2001-03	0.0026	0.0023	0.0002	0.0028	0.2861	0.0053	0.2808	0.0037	0.0008	0.1209	0.0827	4.0283		34.60	36.00	21.90	22.20	6.10	6.10	0.45			170.29	14.07	3.17	85.45	86.57
121.0	23-Mar-01	1133	122	West Arsenicker	25.42017	-80.31083	2001.22	BB	IS	0.22	03	2001	2001-03	0.0018	0.0014	0.0004	0.0029	0.2948	0.0047	0.2900	0.0040	0.0010	0.1756	0.0703	3.8120		36.00	36.00	21.20	21.10	6.70	6.90	0.98			161.96	10.00	2.60	93.85	96.52
121.0	23-Mar-01	1117	123	Pelican Bank	25.44500	-80.28333	2001.22	BB	MAIN	0.22	03	2001	2001-03	0.0061	0.0057	0.0005	0.0037	0.2329	0.0099	0.2231	0.0046	0.0009	0.0918	0.0551	2.9455		37.20	37.20	21.50	21.50	6.60	6.60	0.55			112.80	25.60	4.77	93.56	93.56
121.0	23-Mar-01	1642	124	South Midbay	25.47250	-80.23333	2001.22	BB	MAIN	0.22	03	2001	2001-03	0.0026	0.0025	0.0001	0.0031	0.2207	0.0057	0.2150	0.0038	0.0017	0.0964	0.0400	2.5370		37.60	37.70	22.30	21.80	8.00	8.50	0.98			128.68	7.36	3.31	114.88	121.37
121.0	22-Mar-01	0940	126	BNP Marker B	25.67167	-80.20500	2001.22	BB	MAIN	0.22	03	2001	2001-03	0.0029	0.0028	0.0001	0.0051	0.2817	0.0080	0.2737	0.0082	0.0011	0.1544	0.3238	2.5845		36.80	36.10	22.90	22.80	9.90	5.50	4.21			75.93	16.29	2.15	142.48	81.00
121.0	23-Mar-01	0949	127	Shoal Point	25.63000	-80.25000	2001.22	BB	IS	0.22	03	2001	2001-03	0.0022	0.0020	0.0002	0.0021	0.2726	0.0043	0.2683	0.0087	0.0012	0.0849	0.0992	2.8665		36.20	36.20	22.50	22.40	6.50	6.40	0.11			69.53	8.13	1.09	92.72	91.18
121.0	23-Mar-01	0937	128	Matheson Beach	25.68833	-80.23333	2001.22	BB	IS	0.22	03	2001	2001-03	0.0036	0.0029	0.0007	0.0045	0.2931	0.0082	0.2849	0.0088	0.0015	0.0689	0.0482	3.4615		34.50	34.80	21.70	21.90	6.50	6.10	0.47			73.46	12.26	2.04	90.76	85.56
121.0	22-Mar-01	0926	129	Marker G-71	25.73667	-80.18500	2001.22	BB	MAIN	0.22	03	2001	2001-03	0.0102	0.0096	0.0007	0.0046	0.2231	0.0148	0.2083	0.0105	0.0013	0.1207	0.5126	2.8038		36.20	36.20	22.90	22.90	6.80	7.10	2.51			47.23	24.88	3.13	97.48	101.78
121.0	23-Mar-01	0730	130	South Dodge Island	25.76333	-80.17167	2001.22	BB	NBAY	0.22	03	2001	2001-03	0.0057	0.0053	0.0004	0.0033	0.2295	0.0091	0.2204	0.0100	0.0015	0.0968	0.5084	2.3353		36.30	36.30	22.70	22.70	7.40	7.30	1.18			50.83	13.62	2.01	105.89	104.46
121.0	23-Mar-01	0800	131	North Venetian Basin	25.80000	-80.16667	2001.22	BB	NBAY	0.22	03	2001	2001-03	0.0092	0.0084	0.0008	0.0034	0.2577	0.0126	0.2451	0.0114	0.0005	0.1497	1.0362	2.2433		36.20	36.20	23.20	23.30	6.80	6.70	4.24			50.09	51.57	2.46	97.84	96.51
121.0	23-Mar-01	0830	132	North I-195 Basin	25.81667	-80.16667	2001.22	BB	NBAY	0.22	03	2001	2001-03	0.0055	0.0048	0.0007	0.0048	0.3286	0.0103	0.3183	0.0111	0.0010	0.4298	1.5253	3.0218		35.40	35.30	22.00	22.00	6.80	6.80	2.65			65.66	22.69	2.06	95.88	95.82
121.0	23-Mar-01	0820	133	North Normandy Isle	25.86667	-80.15000	2001.22	BB	NBAY	0.22	03	2001	2001-03	0.0078	0.0055	0.0023	0.0075	0.3757	0.0153	0.3604	0.0135	0.0015	0.6397	1.6094	3.2490		35.10	35.30	21.80	21.80	6.70	6.80	3.26			61.69	22.95	2.51	94.04	95.57
121.0	23-Mar-01	0837	134	Oleta River Park	25.90500	-80.13333	2001.22	BB	NBAY	0.22	03	2001	2001-03	0.0030	0.0023	0.0007	0.0038	0.2335	0.0068	0.2267	0.0075	0.0012	0.1744	0.5126	2.2875		36.40	36.60	25.00	22.80	6.10	6.50	2.00			68.77	12.95	1.99	89.68	93.31
121.0	23-Mar-01	1535	135	South Card Sound	25.31667	-80.31667	2001.22	BB	SCARD	0.22	03	2001	2001-03	0.0025	0.0017	0.0007	0.0057	0.3197	0.0082	0.3115	0.0042	0.0010	0.1229	0.1681	3.9910		34.80	34.90	23.00	22.80	8.10	8.30	0.40			169.13	17.92	4.31	115.20	117.84
122.0	12-Apr-01	1212	101	Convoy Point	25.47833	-80.32083	2001.28	BB	AS	0.28	04	2001	2001-04	0.0005	0.0000	0.0005	0.0021	0.1811	0.0026	0.1786	0.0004	0.0000	0.3439	0.1295	5.5853		36.60	36.70	26.70	26.70	6.30	6.30	0.92			404.83		5.71	94.33	94.39
122.0	12-Apr-01	1310	102	Black Point	25.54583	-80.29467	2001.28	BB	AS	0.28	04	2001	2001-04	0.0018	0.0008	0.0011	0.0046	0.1497	0.0064	0.1433	0.0023	0.0000	0.2998	0.0978	5.0330		37.10	37.10	27.10	27.10	7.20	7.40	0.47			65.26		2.81	108.55	111.57
122.0	12-Apr-01	1325	103	Near Black Ledge	25.57333	-80.28667	2001.28	BB	IS	0.28	04	2001	2001-04	0.0008	0.0000	0.0008	0.0047	0.1254	0.0055	0.1199	0.0024	0.0000	0.2378	0.0303	4.2400		37.60	37.60	27.10	27.10	6.90	7.00	0.55			52.19		2.29	104.36	105.87
122.0	12-Apr-01	0835	104	BNP Marker C	25.60167	-80.22083	2001.28	BB	MAIN	0.28	04	2001	2001-04	0.0004	0.0000	0.0004	0.0028	0.0643	0.0032	0.0610	0.0018	0.0002	0.1541	0.0661	2.7398		36.90	36.90	26.00	26.00	6.10	6.00	0.68			36.05	13.85	1.81	90.90	89.41
122.0	12-Apr-01	0855	108	Marker G-1B	25.56917	-80.19250	2001.28	BB	MAIN	0.28	04	2001	2001-04	0.0008	0.0002	0.0006	0.0040	0.0741	0.0048	0.0693	0.0021	0.0001	0.0940	0.0248	2.6083		36.50	36.50	26.00	26.00	5.70	5.70	0.52			35.40	61.87	2.29	84.72	84.72
122.0	12-Apr-01	0908	109	North Midbay	25.56417	-80.23500	2001.28	BB	MAIN	0.28	04	2001	2001-04	0.0013	0.0008	0.0006	0.0037	0.0654	0.0050	0.0603	0.0015	0.0009	0.2206	0.0289	2.6540		36.80	36.80	26.30	26.30	6.10	6.10	0.59			44.38	5.65	3.42	91.11	91.11
122.0	12-Apr-01	1305	110	Fender Point	25.50500	-80.28750	2001.28	BB	IS	0.28	04	2001	2001-04	0.0029	0.0021	0.0008	0.0039	0.1101	0.0068	0.1033	0.0017	0.0005	0.1018	0.0717	3.1690		36.50	36.50	27.00	27.00	6.40	6.40	0.25			64.56	12.58	4.00	96.03	96.03
122.0	12-Apr-01	0930	111	Featherbed Bank	25.51583	-80.24000	2001.28	BB	MAIN	0.28	04	2001	2001-04	0.0008	0.0000	0.0008	0.0029	0.0916	0.0037	0.0879	0.0023	0.0008	0.0931	0.0482	2.6240		37.10	37.10	26.10	26.10	5.90	5.90	0.47			39.41	4.79	1.60	88.12	88.12
122.0	12-Apr-01	0945	112	Sands Cut	25.48833	-80.18833	2001.28	BB	MAIN	0.28	04	2001	2001-04	0.0015	0.0007	0.0008	0.0062	0.0842	0.0077	0.0765	0.0034	0.0007	0.0535	0.0634	2.4975		36.90	36.90	26.50	26.50	5.60	5.50	0.70			24.69	11.04	2.26	83.85	82.35
122.0	12-Apr-01	1016	113	Elliott Key	25.44167	-80.22333	2001.28	BB	MAIN	0.28	04	2001	2001-04	0.0042	0.0032	0.0009	0.0127	0.0986	0.0169	0.0817	0.0041	0.0009	0.0680	0.0854	2.8338		37.80	37.80	26.30	26.30	5.80	5.70	0.90			24.00	19.83	4.12	87.18	85.68
122.0	12-Apr-01	1035	116	Rubicon Keys	25.40000	-80.25500	2001.28	BB	MAIN	0.28	04	2001	2001-04	0.0077	0.0072	0.0005	0.0081	0.0835	0.0157	0.0678	0.0022	0.0002	0.1502	0.0634	2.8173		37.60	37.60	26.30	26.30	5.60	5.60	0.54			37.16	67.59	6.99	84.07	84.07
122.0	12-Apr-01	1107	121	North Card Sound	25.35500	-80.29167	2001.28	BB	SCARD	0.28	04	2001	2001-04	0.0028	0.0022	0.0006	0.0030	0.0831	0.0058	0.0773	0.0020	0.0002	0.1590	0.0854	3.0180		36.60	36.60	26.40	26.40	6.10	6.00	0.48			41.07	24.84	2.86	91.08	89.58
122.0	12-Apr-01	1130	122	West Arsenicker	25.42017	-80.31083	2001.28	BB	IS	0.28	04	2001	2001-04	0.0011	0.0006	0.0005	0.0039	0.0920	0.0049	0.0871	0.0022	0.0005	0.2931	0.0606	3.5685		37.00	36.90	26.50	26.50	6.10	6.20	0.42			42.39	9.80	2.27	91.40	92.84
122.0	12-Apr-01	1145	123	Pelican Bank	25.44500	-80.28333	2001.28	BB	MAIN	0.28	04	2001	2001-04	0.0051	0.0043	0.0007	0.0043	0.1249	0.0094	0.1155	0.0019	0.0003	0.1656	0.0620	3.4635		36.50	36.50	26.50	26.50	6.30	6.40	0.63			64.48	30.37	4.86	94.09	95.59
122.0	12-Apr-01	1000	124	South Midbay	25.47250	-80.23333	2001.28	BB	MAIN	0.28	04	2001	2001-04	0.0012	0.0005	0.0007	0.0128	0.1097	0.0140	0.0957	0.0033	0.0009	0.1027	0.0965	2.9225		38.00	38.00	26.10	26.10	5.80	5.70	0.42			32.91	16.38	4.19	87.12	85.62
122.0	12-Apr-01	0815	126	BNP Marker B	25.67167	-80.20500	2001.28	BB	MAIN	0.28	04	2001	2001-04	0.0006	0.0000	0.0006	0.0054	0.0833	0.0060	0.0773	0.0027	0.0004	0.1315	0.0772	2.7578		37.30	37.30	26.00	26.00	6.30	6.30	0.83			30.70	15.35	2.19	94.12	94.12
122.0	12-Apr-01	1400	127	Shoal Point	25.63000	-80.25000	2001.28	BB	IS	0.28	04	2001	2001-04	0.0003	0.0000	0.0003	0.0023	0.0764	0.0026	0.0738	0.0020	0.0005	0.1774	0.0675	2.8088		37.40	37.40	26.90	26.90	7.30	7.30	0.10			37.90	5.49	1.27	110.07	110.07
122.0	12-Apr-01	1420	128	Matheson Beach	25.68833	-80.23333	2001.28	BB	IS	0.28	04	2001	2001-04	0.0020	0.0016	0.0004	0.0023	0.1542	0.0044	0.1498	0.0018	0.0000	0.1148	0.2191	3.8283		35.90	35.80	27.00	27.00	4.00	4.00	0.58			85.14		2.42	59.79	59.75
122.0	20-Apr-01	1015	129	Marker G-71	25.73667	-80.18500	2001.30	BB	MAIN	0.30	04	2001	2001-04	0.0026	0.0019	0.0007	0.0060	0.0825	0.0085	0.0740	0.0051	0.0002	0.1732	0.6035	2.2650		36.40	36.40	22.90	22.90	6.20	6.10	1.57			16.09	54.87	1.66	89.00	87.56
122.0	20-Apr-01	1030	130	South Dodge Island	25.76333	-80.17167	2001.30	BB	NBAY	0.30	04	2001	2001-04	0.0055	0.0045	0.0010	0.0029	0.0900	0.0084	0.0816	0.0028	0.0004	0.0768	0.5884	1.9698		36.40	36.50	23.90	23.90	6.50	6.50	1.11			31.65	21.68	2.95	94.41	94.47
122.0	20-Apr-01	1050	131	North Venetian Basin	25.80000	-80.16667	2001.30	BB	NBAY	0.30	04	2001	2001-04	0.0058	0.0048	0.0009	0.0027	0.1172	0.0085	0.1087	0.0043	0.0000	0.1717	0.8212	2.6755		35.80	35.80	23.30	23.30	6.30	6.10	1.87			26.99		1.95	90.52	87.64
122.0	20-Apr-01	1100	132	North I-195 Basin	25.81667	-80.16667	2001.30	BB	NBAY	0.30	04	2001	2001-04	0.0011	0.0003	0.0008	0.0030	0.1323	0.0041	0.1281	0.0026	0.0000	0.1022	0.2962	3.5860		34.50	34.70	23.10	22.90	6.60	6.40	0.35			51.72		1.61	93.80	90.85
122.0	20-Apr-01	1130	133	North Normandy Isle	25.86667	-80.15000	2001.30	BB	NBAY	0.30	04	2001	2001-04	0.0066	0.0050	0.0016	0.0102	0.0987	0.0167	0.0819	0.0157	0.0005	0.1639	0.6586	2.7458		35.00	34.90	23.30	23.30	6.50	6.50	3.37			6.30	35.98	1.07	92.90	92.84
122.0	20-Apr-01	1200	134	Oleta River Park	25.90500	-80.13333	2001.30	BB	NBAY	0.30	04	2001	2001-04	0.0026	0.0017	0.0009	0.0058	0.0732	0.0084	0.0648	0.0124	0.0005	0.0482	0.6917	1.8423		36.00	35.90	23.90	23.80	6.60	6.50	1.41			5.90	18.06	0.68	95.62	94.00
122.0	12-Apr-01	1050	135	South Card Sound	25.31667	-80.31667	2001.28	BB	SCARD	0.28	04	2001	2001-04	0.0016	0.0009	0.0007	0.0053	0.1251	0.0068	0.1183	0.0113	0.0007	0.1961	0.0592	3.6928		35.50	35.50	26.30	26.30	5.90	5.90	0.01			11.03	9.78	0.60	87.39	87.39
123.0	16-May-01	1023	101	Convoy Point	25.47833	-80.32083	2001.37	BB	AS	0.37	05	2001	2001-05	0.0011	0.0006	0.0005	0.0079	0.4469	0.0090	0.4379	0.0043	0.0009	0.7592	0.1667	6.9393	0.1392	33.68	34.17	26.06	25.94	4.38	4.55	0.57			102.96	9.63	2.06	63.97	66.59
123.0	09-May-01	1005	102	Black Point	25.54583	-80.29467	2001.35	BB	AS	0.35	05	2001	2001-05	0.0014	0.0008	0.0006	0.0018	0.3916	0.0032	0.3884	0.0038	0.0009	0.2154	0.0923	2.9100	0.0558	36.92	36.88	22.39	22.43	5.71	5.78	1.12			103.12	3.78	0.85	81.73	82.75
123.0	09-May-01	1015	103	Near Black Ledge	25.57333	-80.28667	2001.35	BB	IS	0.35	05	2001	2001-05	0.0007	0.0003	0.0004	0.0025	0.2930	0.0031	0.2898	0.0033	0.0010	0.1903	0.1089	2.8055	0.1317	37.00	37.00	22.39	22.38	5.90	5.92	1.09			90.00	3.09	0.96	84.49	84.77
123.0	09-May-01	0934	104	BNP Marker C	25.60167	-80.22083	2001.35	BB	MAIN	0.35	05	2001	2001-05	0.0002	0.0000	0.0002	0.0011	0.2883	0.0013	0.2870	0.0032	0.0009	0.1017	0.1144	2.5428	0.0000	37.20	37.14	22.88	23.09	5.80	5.72	3.11			90.74	1.43	0.42	83.67	82.70
123.0	09-May-01	0945	108	Marker G-1B	25.56917	-80.19250	2001.35	BB	MAIN	0.35	05	2001	2001-05	0.0005	0.0002	0.0002	0.0011	0.2473	0.0016	0.2458	0.0035	0.0009	0.1252	0.0772	2.3585	0.0061	36.84	36.87	22.46	22.44	5.76	5.79	1.14			70.92	1.85	0.45	82.47	82.90
123.0	09-May-01	0952	109	North Midbay	25.56417	-80.23500	2001.35	BB	MAIN	0.35	05	2001	2001-05	0.0007	0.0003	0.0004	0.0042	0.2721	0.0049	0.2672	0.0026	0.0000	0.1584	0.0675	2.4425	0.0034	36.70	36.62	22.91	22.99	5.62	5.64	1.47			103.28		1.86	80.84	81.16
123.0	16-May-01	1015	110	Fender Point	25.50500	-80.28750	2001.37	BB	IS	0.37	05	2001	2001-05	0.0126	0.0113	0.0013	0.0159	0.2621	0.0285	0.2337	0.0033	0.0005	0.2564	0.1309	4.0883	0.1801	36.65	36.61	25.72	25.75	4.62	4.37	0.75			78.65	52.45	8.54	68.54	64.84
123.0	16-May-01	1240	111	Featherbed Bank	25.51583	-80.24000	2001.37	BB	MAIN	0.37	05	2001	2001-05	0.0014	0.0008	0.0006	0.0053	0.2147	0.0066	0.2081	0.0029	0.0000	0.1524	0.0827	3.4303	0.0144	37.29	37.26	26.01	25.97	5.27	5.43	1.21			72.91		2.25	78.73	81.08
123.0	16-May-01	1216	112	Sands Cut	25.48833	-80.18833	2001.37	BB	MAIN	0.37	05	2001	2001-05	0.0022	0.0015	0.0007	0.0078	0.2252	0.0100	0.2152	0.0040	0.0005	0.1171	0.1268	3.2215	0.0243	37.19	37.19	26.42	26.20	5.02	5.26	0.68			55.88	18.39	2.48	75.25	78.68
123.0	16-May-01	1154	113	Elliott Key	25.44167	-80.22333	2001.37	BB	MAIN	0.37	05	2001	2001-05	0.0041	0.0034	0.0007	0.0067	0.2573	0.0107	0.2466	0.0037	0.0000	0.1363	0.2246	3.5515	0.0049	38.15	38.16	25.91	25.72	5.04	5.18	0.70			69.18		2.88	75.64	77.60
123.0	16-May-01	1102	116	Rubicon Keys	25.40000	-80.25500	2001.37	BB	MAIN	0.37	05	2001	2001-05	0.0054	0.0047	0.0007	0.0059	0.2189	0.0113	0.2076	0.0032	0.0000	0.1289	0.1364	3.3530	0.0068	38.22	38.20	25.84	25.85	5.48	5.16	0.65			68.88		3.56	82.22	77.42
123.0	16-May-01	1113	121	North Card Sound	25.35500	-80.29167	2001.37	BB	SCARD	0.37	05	2001	2001-05	0.0029	0.0022	0.0007	0.0057	0.2737	0.0087	0.2650	0.0025	0.0003	0.1682	0.1626	5.1548	0.0188	37.89	37.84	25.90	25.90	5.05	5.06	0.50			110.35	28.00	3.50	75.66	75.78
123.0	16-May-01	1047	122	West Arsenicker	25.42017	-80.31083	2001.37	BB	IS	0.37	05	2001	2001-05	0.0025	0.0017	0.0008	0.0092	0.3120	0.0117	0.3003	0.0032	0.0000	0.4232	0.1281	6.6538	0.0281	33.84	35.72	26.03	26.09	4.73	5.33	0.31			98.19		3.69	69.14	78.90
123.0	16-May-01	1036	123	Pelican Bank	25.44500	-80.28333	2001.37	BB	MAIN	0.37	05	2001	2001-05	0.0101	0.0091	0.0010	0.0079	0.2331	0.0180	0.2151	0.0038	0.0002	0.1803	0.1213	3.6415	0.0220	37.20	37.22	25.65	25.70	4.69	4.75	0.44			61.39	77.50	4.74	69.78	70.72
123.0	16-May-01	1205	124	South Midbay	25.47250	-80.23333	2001.37	BB	MAIN	0.37	05	2001	2001-05	0.0023	0.0017	0.0006	0.0111	0.2717	0.0134	0.2583	0.0034	0.0002	0.1303	0.1006	3.6533	0.0132	37.50	37.37	25.92	25.61	5.16	5.17	0.95			79.69	57.66	3.93	77.13	76.97
123.0	09-May-01	0917	126	BNP Marker B	25.67167	-80.20500	2001.35	BB	MAIN	0.35	05	2001	2001-05	0.0016	0.0009	0.0007	0.0062	0.2316	0.0078	0.2238	0.0043	0.0009	0.1106	0.1323	3.0125	0.0154	36.79	36.77	22.95	22.97	6.00	5.63	2.73			54.33	8.35	1.82	86.40	81.08
123.0	09-May-01	1030	127	Shoal Point	25.63000	-80.25000	2001.35	BB	IS	0.35	05	2001	2001-05	0.0015	0.0013	0.0002	0.0021	0.2806	0.0036	0.2770	0.0015	0.0005	0.2772	0.0827	3.2755	0.0000	37.23	37.20	22.99	23.01	5.80	5.84	0.81			190.55	6.65	2.45	83.80	84.38
123.0	09-May-01	1044	128	Matheson Beach	25.68833	-80.23333	2001.35	BB	IS	0.35	05	2001	2001-05	0.0008	0.0008	0.0000	0.0014	0.2464	0.0022	0.2442	0.0029	0.0002	0.2782	0.3445	2.6628	0.0000	36.45	36.40	22.85	22.90	5.75	5.82	2.20			84.12	14.23	0.75	82.51	83.54
123.0	09-May-01	1100	129	Marker G-71	25.73667	-80.18500	2001.35	BB	MAIN	0.35	05	2001	2001-05	0.0010	0.0010	0.0000	0.0001	0.2508	0.0010	0.2498	0.0066	0.0000	0.2029	1.0844	2.7378	0.0227	34.85	34.85	23.37	23.36	5.67	5.87	4.25			38.08		0.16	81.03	83.88
123.0	09-May-01	1112	130	South Dodge Island	25.76333	-80.17167	2001.35	BB	NBAY	0.35	05	2001	2001-05	0.0015	0.0015	0.0001	0.0015	0.2137	0.0030	0.2107	0.0045	0.0001	0.1142	0.7041	2.3358	0.0013	35.67	35.63	23.63	23.67	5.64	5.69	3.03			47.55	28.43	0.68	81.28	82.02
123.0	09-May-01	1130	131	North Venetian Basin	25.80000	-80.16667	2001.35	BB	NBAY	0.35	05	2001	2001-05	0.0039	0.0026	0.0013	0.0056	0.2475	0.0095	0.2380	0.0058	0.0005	0.2761	1.2511	3.5338	0.0739	32.07	32.25	23.32	23.39	5.89	5.84	4.10			42.58	17.48	1.63	82.61	82.08
123.0	09-May-01	1155	132	North I-195 Basin	25.81667	-80.16667	2001.35	BB	NBAY	0.35	05	2001	2001-05	0.0039	0.0027	0.0012	0.0097	0.2579	0.0136	0.2443	0.0043	0.0003	0.1892	0.7151	3.6890	0.0481	32.20	32.22	22.86	22.84	5.77	5.78	2.95			60.50	43.81	3.19	80.54	80.67
123.0	09-May-01	1211	133	North Normandy Isle	25.86667	-80.15000	2001.35	BB	NBAY	0.35	05	2001	2001-05	0.0007	0.0000	0.0007	0.0043	0.2041	0.0050	0.1991	0.0086	0.0012	0.3382	1.4578	2.7933	0.0926	35.14	35.15	23.48	23.51	5.84	5.88	11.58			23.73	4.28	0.58	83.72	84.33
123.0	09-May-01	1229	134	Oleta River Park	25.90500	-80.13333	2001.35	BB	NBAY	0.35	05	2001	2001-05	0.0025	0.0009	0.0015	0.0064	0.1870	0.0089	0.1781	0.0069	0.0007	0.0664	0.8571	2.4913	0.0597	35.37	36.02	23.90	23.78	5.84	5.86	4.79			27.11	12.70	1.28	84.26	84.79
123.0	16-May-01	1126	135	South Card Sound	25.31667	-80.31667	2001.37	BB	SCARD	0.37	05	2001	2001-05	0.0015	0.0005	0.0010	0.0074	0.2408	0.0089	0.2319	0.0038	0.0004	0.1433	0.1350	4.9263	0.0238	37.39	37.84	25.61	25.68	5.26	5.80	0.21			63.42	23.03	2.35	78.32	86.67
124.0	29-Jun-01	1249	101	Convoy Point	25.47833	-80.32083	2001.49	BB	AS	0.49	06	2001	2001-06	0.5184	0.5001	0.0183	0.0463	0.6399	0.5647	0.0752	0.0160	0.0002	0.2473	0.3638	4.7358		21.20	24.50	28.30	28.50	7.30	7.40	2.26			39.89	2428.77	35.20	100.59	104.29
124.0	29-Jun-01	1316	102	Black Point	25.54583	-80.29467	2001.49	BB	AS	0.49	06	2001	2001-06	0.4697	0.4554	0.0144	0.0528	0.6084	0.5225	0.0859	0.0124	0.0036	0.5184	0.3803	5.3515		21.70	28.50	28.60	28.20	6.60	7.10	1.07			49.07	146.57	42.14	91.47	102.36
124.0	29-Jun-01	1327	103	Near Black Ledge	25.57333	-80.28667	2001.49	BB	IS	0.49	06	2001	2001-06	0.0025	0.0010	0.0015	0.0120	0.2242	0.0145	0.2098	0.0066	0.0030	0.9396	0.2301	6.5278		32.90	32.90	28.90	28.90	7.30	7.20	0.25			34.04	4.78	2.19	108.83	107.33
124.0	29-Jun-01	0935	104	BNP Marker C	25.60167	-80.22083	2001.49	BB	MAIN	0.49	06	2001	2001-06	0.0025	0.0015	0.0011	0.0049	0.0798	0.0075	0.0723	0.0042	0.0021	0.1774	0.1461	2.1645		36.00	35.90	28.10	28.20	5.20	5.30	0.29			19.06	3.59	1.78	78.53	80.06
124.0	29-Jun-01	0947	108	Marker G-1B	25.56917	-80.19250	2001.49	BB	MAIN	0.49	06	2001	2001-06	0.0013	0.0006	0.0007	0.0028	0.0740	0.0041	0.0699	0.0051	0.0010	0.1401	0.1488	2.1803		35.90	35.90	27.70	27.80	4.70	4.80	0.21			14.46	4.06	0.80	70.70	72.26
124.0	29-Jun-01	0958	109	North Midbay	25.56417	-80.23500	2001.49	BB	MAIN	0.49	06	2001	2001-06	0.0021	0.0009	0.0012	0.0033	0.0871	0.0054	0.0817	0.0054	0.0002	0.2379	0.1502	2.2803		36.40	36.30	28.10	28.10	5.20	5.10	0.31			16.05	34.55	0.99	78.73	77.17
124.0	29-Jun-01	1304	110	Fender Point	25.50500	-80.28750	2001.49	BB	IS	0.49	06	2001	2001-06	0.5096	0.4921	0.0175	0.0410	0.5789	0.5506	0.0283	0.0157	0.0000	0.4992	0.4092	5.4733		20.80	27.50	28.30	28.30	6.60	6.50	3.45			36.80		35.00	90.72	93.20
124.0	29-Jun-01	1014	111	Featherbed Bank	25.51583	-80.24000	2001.49	BB	MAIN	0.49	06	2001	2001-06	0.0019	0.0006	0.0013	0.0049	0.1179	0.0068	0.1111	0.0040	0.0001	0.2111	0.1213	2.5188		36.90	36.80	28.10	28.20	5.30	5.40	1.40			29.25	58.71	1.69	80.50	82.04
124.0	29-Jun-01	1030	112	Sands Cut	25.48833	-80.18833	2001.49	BB	MAIN	0.49	06	2001	2001-06	0.0019	0.0007	0.0011	0.0065	0.0816	0.0084	0.0732	0.0036	0.0000	0.1859	0.1612	2.4080		36.60	36.50	28.30	28.30	6.20	6.90	1.13			22.40		2.30	94.15	104.71
124.0	29-Jun-01	1052	113	Elliott Key	25.44167	-80.22333	2001.49	BB	MAIN	0.49	06	2001	2001-06	0.0071	0.0060	0.0011	0.0155	0.1150	0.0225	0.0925	0.0055	0.0003	0.2347	0.2260	2.8398		37.10	37.10	28.30	28.30	5.00	4.80	1.11			20.91	72.71	4.10	76.17	73.12
124.0	29-Jun-01	1111	116	Rubicon Keys	25.40000	-80.25500	2001.49	BB	MAIN	0.49	06	2001	2001-06	0.0080	0.0068	0.0012	0.0057	0.1136	0.0137	0.1000	0.0042	0.0004	0.1492	0.3018	2.4140		36.60	36.60	28.30	28.30	5.10	5.80	2.15			27.15	38.39	3.27	77.44	88.07
124.0	29-Jun-01	1127	121	North Card Sound	25.35500	-80.29167	2001.49	BB	SCARD	0.49	06	2001	2001-06	0.0063	0.0047	0.0016	0.0107	0.0871	0.0170	0.0701	0.0060	0.0004	0.1624	0.2232	2.4300		36.40	36.40	28.60	28.60	4.00	4.30	1.91			14.60	43.99	2.86	60.81	65.37
124.0	29-Jun-01	1220	122	West Arsenicker	25.42017	-80.31083	2001.49	BB	IS	0.49	06	2001	2001-06	0.0356	0.0333	0.0023	0.0094	0.1702	0.0449	0.1253	0.0047	0.0005	0.8791	0.3155	4.8208		34.50	34.50	28.30	28.30	7.10	7.40	1.83			36.18	82.84	9.55	106.40	110.89
124.0	29-Jun-01	1235	123	Pelican Bank	25.44500	-80.28333	2001.49	BB	MAIN	0.49	06	2001	2001-06	0.0144	0.0127	0.0017	0.0095	0.1240	0.0238	0.1002	0.0045	0.0006	0.2768	0.2067	2.9953		35.80	35.80	28.30	28.30	6.50	6.40	1.93			27.69	38.44	5.32	98.21	96.70
124.0	29-Jun-01	1040	124	South Midbay	25.47250	-80.23333	2001.49	BB	MAIN	0.49	06	2001	2001-06	0.0020	0.0012	0.0009	0.0105	0.1188	0.0125	0.1063	0.0043	0.0005	0.2553	0.1502	2.9090		37.30	37.30	28.30	28.30	5.40	5.50	1.41			27.87	23.03	2.93	82.36	83.89
124.0	29-Jun-01	1359	126	BNP Marker B	25.67167	-80.20500	2001.49	BB	MAIN	0.49	06	2001	2001-06	0.0030	0.0014	0.0016	0.0080	0.0987	0.0110	0.0877	0.0056	0.0000	0.1334	0.1929	2.5213		36.00	36.00	29.00	29.00	6.60	6.70	1.30			17.69		1.97	100.40	101.92
124.0	29-Jun-01	0914	127	Shoal Point	25.63000	-80.25000	2001.49	BB	IS	0.49	06	2001	2001-06	0.0050	0.0031	0.0019	0.0116	0.1239	0.0167	0.1072	0.0053	0.0002	0.1629	0.2356	2.8935		35.00	35.00	28.00	28.00	4.90	4.90	1.91			23.16	71.78	3.12	73.48	73.48

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
124.0	29-Jun-01	1435	128	Matheson Beach	25.68833	-80.23333	2001.49	BB	IS	0.49	06	2001	2001-06	0.0164	0.0139	0.0025	0.0051	0.1242	0.0215	0.1027	0.0049	0.0001	0.1535	0.5470	3.3703		32.10	32.10	28.90	28.90	6.80	6.90	1.53			25.45	277.29	4.40	100.86	102.35
124.0	29-Jun-01	1417	129	Marker G-71	25.73667	-80.18500	2001.49	BB	MAIN	0.49	06	2001	2001-06	0.0192	0.0168	0.0024	0.0111	0.1392	0.0303	0.1089	0.0057	0.0001	0.2007	0.6421	3.0250		32.50	33.60	29.10	28.60	6.10	6.60	1.46			24.60	391.10	5.36	90.85	98.59
124.0	30-Jun-01	0836	130	South Dodge Island	25.76333	-80.17167	2001.49	BB	NBAY	0.49	06	2001	2001-06	0.0219	0.0189	0.0030	0.0128	0.1347	0.0347	0.1000	0.0071	0.0005	0.2563	1.1643	2.8720		32.30	32.30	28.50	28.50	6.50	6.40	1.53			18.89	74.58	4.86	96.22	94.74
124.0	30-Jun-01	0910	131	North Venetian Basin	25.80000	-80.16667	2001.49	BB	NBAY	0.49	06	2001	2001-06	0.0307	0.0276	0.0031	0.0139	0.1306	0.0446	0.0860	0.0078	0.0008	0.1729	0.9094	3.3820		29.90	29.20	28.50	28.50	5.60	5.60	1.22			16.68	57.50	5.69	81.66	81.30
124.0	30-Jun-01	0924	132	North I-195 Basin	25.81667	-80.16667	2001.49	BB	NBAY	0.49	06	2001	2001-06	0.0123	0.0099	0.0023	0.0089	0.1395	0.0211	0.1184	0.0074	0.0005	0.2096	0.5608	3.8973		28.80	29.10	28.60	28.50	6.10	6.00	0.58			18.95	38.90	2.87	88.41	87.05
124.0	30-Jun-01	0944	133	North Normandy Isle	25.86667	-80.15000	2001.49	BB	NBAY	0.49	06	2001	2001-06	0.0279	0.0232	0.0047	0.0053	0.1539	0.0331	0.1207	0.0206	0.0007	1.4753	4.1654	4.1440		27.00	28.30	28.70	29.30	6.40	6.50	1.50			7.46	47.50	1.61	91.79	94.44
124.0	30-Jun-01	1002	134	Oleta River Park	25.90500	-80.13333	2001.49	BB	NBAY	0.49	06	2001	2001-06	0.0338	0.0288	0.0050	0.0078	0.1145	0.0416	0.0730	0.0211	0.0009	1.1565	3.4392	3.6260		31.20	34.20	28.50	28.70	5.80	5.80	1.57			5.43	48.77	1.97	85.27	87.03
124.0	29-Jun-01	1148	135	South Card Sound	25.31667	-80.31667	2001.49	BB	SCARD	0.49	06	2001	2001-06	0.0020	0.0007	0.0013	0.0071	0.1790	0.0090	0.1699	0.0147	0.0008	0.1910	0.3817	4.3088		37.70	37.80	29.00	28.80	5.40	5.60	1.10			12.15	11.65	0.61	83.03	86.03
125.0	11-Jul-01	1053	101	Convoy Point	25.47833	-80.32083	2001.52	BB	AS	0.52	07	2001	2001-07	0.0613	0.0585	0.0028	0.0177	0.3540	0.0790	0.2751	0.0142	0.0008	0.2310	0.2494	2.9738	0.1826	34.70	34.70	29.60	29.60	4.80	4.70	0.69			24.96	97.03	5.57	72.76	71.24
125.0	11-Jul-01	1029	102	Black Point	25.54583	-80.29467	2001.52	BB	AS	0.52	07	2001	2001-07	0.0756	0.0699	0.0057	0.0301	0.3858	0.1057	0.2801	0.0102	0.0016	0.4448	0.3514	3.8498	0.3108	27.30	27.40	28.70	28.90	4.70	5.00	0.57			37.77	68.19	10.35	67.53	72.01
125.0	11-Jul-01	1016	103	Near Black Ledge	25.57333	-80.28667	2001.52	BB	IS	0.52	07	2001	2001-07	0.0575	0.0504	0.0070	0.0217	0.3535	0.0792	0.2743	0.0112	0.0009	0.4565	0.3293	3.8093	0.2284	29.20	29.20	28.10	28.10	4.10	4.10	0.75			31.68	92.91	7.10	59.32	59.32
125.0	10-Jul-01	0925	104	BNP Marker C	25.60167	-80.22083	2001.52	BB	MAIN	0.52	07	2001	2001-07	0.0026	0.0015	0.0011	0.0070	0.1676	0.0096	0.1580	0.0168	0.0012	0.1146	0.1653	2.0038	0.0360	37.10	37.00	29.60	29.60	4.60	4.60	1.01			9.97	7.88	0.57	70.78	70.74
125.0	10-Jul-01	0940	108	Marker G-1B	25.56917	-80.19250	2001.52	BB	MAIN	0.52	07	2001	2001-07	0.0009	0.0001	0.0009	0.0033	0.1312	0.0042	0.1270	0.0244	0.0011	0.0886	0.1764	2.0113	0.0270	37.10	37.10	29.10	29.10	4.40	4.40	0.75			5.38	3.90	0.17	67.45	67.45
125.0	11-Jul-01	1001	109	North Midbay	25.56417	-80.23500	2001.52	BB	MAIN	0.52	07	2001	2001-07	0.0028	0.0015	0.0013	0.0047	0.1366	0.0075	0.1292	0.0185	0.0005	0.2045	0.1764	2.0883	0.0351	37.30	37.30	29.00	29.00	5.20	5.10	0.52			7.38	13.74	0.40	79.75	78.22
125.0	11-Jul-01	1041	110	Fender Point	25.50500	-80.28750	2001.52	BB	IS	0.52	07	2001	2001-07	0.0229	0.0209	0.0019	0.0186	0.2145	0.0414	0.1731	0.0179	0.0012	0.1929	0.2039	2.7628	0.0939	35.50	35.50	28.50	28.50	5.80	5.90	0.60			11.98	33.39	2.31	87.61	89.12
125.0	11-Jul-01	0946	111	Featherbed Bank	25.51583	-80.24000	2001.52	BB	MAIN	0.52	07	2001	2001-07	0.0022	0.0011	0.0011	0.0057	0.1568	0.0079	0.1490	0.0129	0.0007	0.1662	0.1777	2.6348	0.0282	37.10	37.10	28.80	28.80	5.10	5.10	0.53			12.12	11.29	0.61	78.00	78.00
125.0	11-Jul-01	1338	112	Sands Cut	25.48833	-80.18833	2001.52	BB	MAIN	0.52	07	2001	2001-07	0.0026	0.0014	0.0012	0.0041	0.1429	0.0067	0.1362	0.0198	0.0009	0.1032	0.2508	2.1353	0.0233	37.20	37.20	29.10	29.10	4.50	4.70	1.20			7.20	7.80	0.34	69.03	72.10
125.0	11-Jul-01	1310	113	Elliott Key	25.44167	-80.22333	2001.52	BB	MAIN	0.52	07	2001	2001-07	0.0116	0.0103	0.0013	0.0199	0.1925	0.0315	0.1610	0.0131	0.0015	0.1607	0.2921	2.7893	0.0283	37.80	37.90	29.20	29.20	6.20	6.20	1.70			14.64	21.37	2.39	95.54	95.60
125.0	11-Jul-01	1141	116	Rubicon Keys	25.40000	-80.25500	2001.52	BB	MAIN	0.52	07	2001	2001-07	0.0046	0.0032	0.0014	0.0107	0.1568	0.0153	0.1416	0.0119	0.0009	0.1574	0.1543	2.5895	0.0757	37.10	37.10	28.90	28.90	5.30	5.40	0.74			13.14	17.94	1.28	81.12	82.65
125.0	11-Jul-01	1203	121	North Card Sound	25.35500	-80.29167	2001.52	BB	SCARD	0.52	07	2001	2001-07	0.0037	0.0016	0.0021	0.0096	0.1596	0.0133	0.1462	0.0155	0.0010	0.1656	0.2094	2.9985	0.0447	37.30	37.20	29.60	29.60	5.80	6.00	0.47			10.28	13.24	0.86	89.36	92.38
125.0	11-Jul-01	1124	122	West Arsenicker	25.42017	-80.31083	2001.52	BB	IS	0.52	07	2001	2001-07	0.0027	0.0016	0.0011	0.0124	0.1378	0.0151	0.1228	0.0109	0.0013	0.4837	0.2081	3.4658	0.1251	37.60	37.60	29.00	29.00	5.70	5.90	0.80			12.70	11.42	1.39	87.59	90.66
125.0	11-Jul-01	1111	123	Pelican Bank	25.44500	-80.28333	2001.52	BB	MAIN	0.52	07	2001	2001-07	0.0238	0.0219	0.0019	0.0180	0.1661	0.0418	0.1243	0.0102	0.0010	0.4405	0.1571	2.7128	0.0777	37.00	37.00	28.90	29.00	5.50	5.50	0.49			16.36	42.85	4.12	84.13	84.20
125.0	11-Jul-01	1349	124	South Midbay	25.47250	-80.23333	2001.52	BB	MAIN	0.52	07	2001	2001-07	0.0041	0.0029	0.0012	0.0136	0.1462	0.0177	0.1285	0.0122	0.0008	0.2116	0.1598	3.0718	0.0328	37.90	37.90	28.70	28.80	3.90	4.00	0.70			12.00	22.89	1.46	59.90	61.49
125.0	10-Jul-01	1000	126	BNP Marker B	25.67167	-80.20500	2001.52	BB	MAIN	0.52	07	2001	2001-07	0.0040	0.0019	0.0021	0.0124	0.1403	0.0163	0.1240	0.0128	0.0006	0.0830	0.3789	3.0225	0.0927	35.70	35.80	29.30	29.40	4.70	4.80	0.97			10.94	26.31	1.27	71.53	73.15
125.0	10-Jul-01	0910	127	Shoal Point	25.63000	-80.25000	2001.52	BB	IS	0.52	07	2001	2001-07	0.0151	0.0124	0.0027	0.0173	0.1397	0.0323	0.1073	0.0146	0.0006	0.1916	0.1777	3.1815	0.0886	34.70	34.70	29.50	29.60	4.40	4.50	0.27			9.59	52.80	2.22	66.64	68.21
125.0	10-Jul-01	1420	128	Matheson Beach	25.68833	-80.23333	2001.52	BB	IS	0.52	07	2001	2001-07	0.0209	0.0182	0.0027	0.0112	0.2309	0.0321	0.1987	0.0146	0.0014	0.0980	0.7165	3.8113	0.1519	32.20	33.80	29.80	29.70	5.30	5.20	0.39			15.84	23.02	2.20	79.21	78.44
125.0	10-Jul-01	1025	129	Marker G-71	25.73667	-80.18500	2001.52	BB	MAIN	0.52	07	2001	2001-07	0.0034	0.0017	0.0016	0.0083	0.1733	0.0116	0.1617	0.0146	0.0012	0.1933	1.0403	3.0993	0.0805	34.50	34.80	29.40	29.40	4.80	4.80	0.72			11.89	10.00	0.80	72.56	72.69
125.0	10-Jul-01	1045	130	South Dodge Island	25.76333	-80.17167	2001.52	BB	NBAY	0.52	07	2001	2001-07	0.0245	0.0211	0.0034	0.0214	0.1529	0.0460	0.1069	0.0165	0.0013	0.0681	0.6876	2.5603	0.2031	33.20	33.90	29.30	29.30	4.40	4.40	1.20			9.26	34.88	2.78	65.92	66.21
125.0	10-Jul-01	1105	131	North Venetian Basin	25.80000	-80.16667	2001.52	BB	NBAY	0.52	07	2001	2001-07	0.0186	0.0161	0.0025	0.0196	0.1653	0.0382	0.1272	0.0175	0.0014	0.0509	0.4271	3.1313	0.2662	31.70	32.40	29.40	29.80	4.10	4.30	1.03			9.44	27.35	2.18	60.90	64.34
125.0	10-Jul-01	1125	132	North I-195 Basin	25.81667	-80.16667	2001.52	BB	NBAY	0.52	07	2001	2001-07	0.0198	0.0173	0.0025	0.0210	0.2040	0.0407	0.1632	0.0136	0.0015	0.0655	0.9259	3.3173	0.2570	30.90	30.90	29.70	29.70	4.00	4.10	0.87			14.95	27.67	2.99	59.25	60.73
125.0	10-Jul-01	1150	133	North Normandy Isle	25.86667	-80.15000	2001.52	BB	NBAY	0.52	07	2001	2001-07	0.0094	0.0067	0.0027	0.0123	0.1561	0.0217	0.1343	0.0215	0.0019	0.1870	1.3999	3.2665	0.5200	29.80	33.10	29.00	29.90	5.20	4.20	1.00			7.24	11.22	1.01	76.09	63.17
125.0	10-Jul-01	1210	134	Oleta River Park	25.90500	-80.13333	2001.52	BB	NBAY	0.52	07	2001	2001-07	0.0158	0.0124	0.0034	0.0136	0.1518	0.0294	0.1224	0.0239	0.0016	0.1604	1.3324	2.5980	0.2500	32.20	32.10	28.70	28.60	5.20	5.30	0.95			6.35	18.04	1.23	77.06	78.42
125.0	11-Jul-01	1219	135	South Card Sound	25.31667	-80.31667	2001.52	BB	SCARD	0.52	07	2001	2001-07	0.0026	0.0008	0.0018	0.0131	0.2402	0.0157	0.2245	0.0241	0.0016	0.1639	0.3086	4.2993	0.0784	37.10	37.10	29.50	29.50	5.70	5.70	0.29			9.97	9.74	0.65	87.64	87.64
126.0	28-Aug-01	1305	101	Convoy Point	25.47833	-80.32083	2001.65	BB	AS	0.65	08	2001	2001-08	0.1729	0.1643	0.0086	0.0690	0.6442	0.2420	0.4023	0.0031	0.0010	0.8901	0.2701	7.0860		23.13	29.66	31.58	31.87	5.02	6.74	0.85			207.81	231.27	78.05	71.79	100.53
126.0	28-Aug-01	1330	102	Black Point	25.54583	-80.29467	2001.65	BB	AS	0.65	08	2001	2001-08	0.1129	0.1027	0.0103	0.0697	0.5448	0.1826	0.3621	0.0034	0.0011	0.4478	0.2659	6.7858		26.25	27.19	31.56	31.59	5.45	5.81	0.72			159.75	164.79	53.56	79.44	85.20
126.0	28-Aug-01	1340	103	Near Black Ledge	25.57333	-80.28667	2001.65	BB	IS	0.65	08	2001	2001-08	0.0364	0.0282	0.0082	0.0162	0.4045	0.0526	0.3519	0.0043	0.0004	0.6175	0.4065	6.1608		25.88	25.79	31.92	31.96	7.19	7.13	0.55			94.90	119.71	12.34	104.80	103.89
126.0	28-Aug-01	0940	104	BNP Marker C	25.60167	-80.22083	2001.65	BB	MAIN	0.65	08	2001	2001-08	0.0030	0.0019	0.0011	0.0050	0.2091	0.0080	0.2011	0.0042	0.0000	0.1672	0.1364	2.5335		36.32	36.30	30.93	30.96	5.40	5.11	0.59			49.97		1.92	83.44	78.97
126.0	28-Aug-01	0950	108	Marker G-1B	25.56917	-80.19250	2001.65	BB	MAIN	0.65	08	2001	2001-08	0.0020	0.0012	0.0008	0.0045	0.1887	0.0065	0.1822	0.0054	0.0000	0.1549	0.1047	2.4133		36.41	36.40	31.28	31.31	4.82	4.52	0.42			34.78		1.19	74.68	70.04
126.0	28-Aug-01	1000	109	North Midbay	25.56417	-80.23500	2001.65	BB	MAIN	0.65	08	2001	2001-08	0.0027	0.0016	0.0012	0.0048	0.2683	0.0075	0.2608	0.0037	0.0005	0.2272	0.3210	2.4960		36.49	36.46	30.95	30.97	5.20	5.01	0.59			72.12	14.60	2.02	80.45	77.50
126.0	28-Aug-01	1315	110	Fender Point	25.50500	-80.28750	2001.65	BB	IS	0.65	08	2001	2001-08	0.0309	0.0287	0.0021	0.0128	0.3453	0.0437	0.3016	0.0030	0.0007	0.2483	0.2425	3.6685		33.97	33.92	31.20	31.23	6.22	6.00	0.37			114.25	66.82	14.46	94.88	91.52
126.0	28-Aug-01	1011	111	Featherbed Bank	25.51583	-80.24000	2001.65	BB	MAIN	0.65	08	2001	2001-08	0.0033	0.0020	0.0013	0.0062	0.1867	0.0095	0.1772	0.0036	0.0007	0.1853	0.1626	2.7063		36.82	36.82	30.80	30.83	4.86	4.56	0.68			52.37	13.19	2.67	75.27	70.64
126.0	28-Aug-01	1020	112	Sands Cut	25.48833	-80.18833	2001.65	BB	MAIN	0.65	08	2001	2001-08	0.0017	0.0007	0.0010	0.0059	0.1865	0.0076	0.1789	0.0046	0.0006	0.1331	0.1970	2.5028		36.37	36.36	30.96	30.97	4.59	4.23	0.53			40.79	13.51	1.65	70.96	65.40
126.0	28-Aug-01	1045	113	Elliott Key	25.44167	-80.22333	2001.65	BB	MAIN	0.65	08	2001	2001-08	0.0080	0.0063	0.0017	0.0197	0.2097	0.0277	0.1819	0.0040	0.0007	0.2602	0.1929	2.7593		36.37	36.35	31.07	31.12	5.90	5.41	0.67			53.04	40.77	7.02	91.28	83.71
126.0	28-Aug-01	1155	116	Rubicon Keys	25.40000	-80.25500	2001.65	BB	MAIN	0.65	08	2001	2001-08	0.0038	0.0027	0.0011	0.0068	0.2897	0.0106	0.2790	0.0033	0.0006	0.1490	0.2039	3.4538		35.94	36.24	31.30	31.49	5.58	4.82	0.66			88.99	19.28	3.27	86.22	74.70
126.0	28-Aug-01	1212	121	North Card Sound	25.35500	-80.29167	2001.65	BB	SCARD	0.65	08	2001	2001-08	0.0052	0.0033	0.0019	0.0091	0.2775	0.0143	0.2632	0.0026	0.0004	0.1388	0.2522	3.8945		35.17	35.32	31.04	31.08	4.87	5.17	0.33			105.30	34.38	5.42	74.77	79.47
126.0	28-Aug-01	1240	122	West Arsenicker	25.42017	-80.31083	2001.65	BB	IS	0.65	08	2001	2001-08	0.1015	0.0980	0.0035	0.0187	0.4559	0.1202	0.3357	0.0039	0.0004	0.3273	0.1502	5.0465		32.10	36.25	30.96	31.40	5.68	5.54	0.61			117.64	334.95	31.02	85.52	85.82
126.0	28-Aug-01	1255	123	Pelican Bank	25.44500	-80.28333	2001.65	BB	MAIN	0.65	08	2001	2001-08	0.0309	0.0288	0.0021	0.0124	0.2839	0.0433	0.2407	0.0033	0.0002	0.2060	0.3431	6.2628		35.64	35.68	31.25	31.28	5.84	5.40	0.46			87.23	206.74	13.29	90.04	83.29
126.0	28-Aug-01	1035	124	South Midbay	25.47250	-80.23333	2001.65	BB	MAIN	0.65	08	2001	2001-08	0.0040	0.0027	0.0014	0.0198	0.2271	0.0239	0.2033	0.0045	0.0004	0.2200	0.1516	4.1793		36.65	36.75	30.92	30.92	5.84	5.64	0.50			50.53	60.39	5.31	90.42	87.38
126.0	28-Aug-01	0915	126	BNP Marker B	25.67167	-80.20500	2001.65	BB	MAIN	0.65	08	2001	2001-08	0.0062	0.0042	0.0020	0.0099	0.1916	0.0161	0.1755	0.0027	0.0008	0.1711	0.2218	4.9008		33.81	33.90	30.84	30.95	5.11	4.95	1.92			70.62	19.37	5.92	77.69	75.36
126.0	28-Aug-01	1350	127	Shoal Point	25.63000	-80.25000	2001.65	BB	IS	0.65	08	2001	2001-08	0.0156	0.0134	0.0022	0.0169	0.2097	0.0324	0.1773	0.0018	0.0010	0.2374	0.1833	5.7643		31.77	31.14	31.61	33.15	5.82	6.36	0.56			113.69	31.45	17.57	87.80	96.40
126.0	28-Aug-01	1405	128	Matheson Beach	25.68833	-80.23333	2001.65	BB	IS	0.65	08	2001	2001-08	0.0154	0.0128	0.0025	0.0069	0.1813	0.0222	0.1591	0.0019	0.0008	0.1929	0.3293	5.5640		31.12	31.55	31.77	31.57	5.57	6.11	0.36			93.97	29.56	11.52	83.78	92.03
126.0	29-Aug-01	1030	129	Marker G-71	25.73667	-80.18500	2001.66	BB	MAIN	0.66	08	2001	2001-08	0.0156	0.0133	0.0022	0.0109	0.1750	0.0264	0.1486	0.0026	0.0014	0.2203	0.6641	4.7443		31.72	32.97	30.87	31.20	5.71	5.10	1.04			66.42	18.85	10.04	85.72	77.32
126.0	29-Aug-01	1044	130	South Dodge Island	25.76333	-80.17167	2001.66	BB	NBAY	0.66	08	2001	2001-08	0.0191	0.0165	0.0027	0.0159	0.1874	0.0350	0.1524	0.0026	0.0010	0.1802	0.6559	5.6558		31.64	30.62	30.57	31.57	5.58	5.15	0.93			72.39	36.09	13.51	83.55	77.13
126.0	29-Aug-01	1111	131	North Venetian Basin	25.80000	-80.16667	2001.66	BB	NBAY	0.66	08	2001	2001-08	0.0175	0.0159	0.0016	0.0114	0.1578	0.0289	0.1289	0.0032	0.0009	0.0979	0.3955	4.7855		30.91	31.19	30.60	30.77	4.93	5.23	0.86			50.03	33.31	9.17	73.50	78.20
126.0	29-Aug-01	1115	132	North I-195 Basin	25.81667	-80.16667	2001.66	BB	NBAY	0.66	08	2001	2001-08	0.0020	0.0013	0.0008	0.0056	0.1705	0.0076	0.1629	0.0032	0.0015	0.2167	0.2604	5.4955		31.06	29.35	29.36	31.08	5.18	5.31	0.38			53.00	5.10	2.36	76.61	78.66
126.0	29-Aug-01	1120	133	North Normandy Isle	25.86667	-80.15000	2001.66	BB	NBAY	0.66	08	2001	2001-08	0.0107	0.0092	0.0015	0.0108	0.1546	0.0215	0.1331	0.0039	0.0008	0.1512	0.9383	4.6040		30.60	32.51	30.86	31.49	5.54	3.82	0.78			39.90	25.41	5.55	82.58	57.85
126.0	29-Aug-01	1130	134	Oleta River Park	25.90500	-80.13333	2001.66	BB	NBAY	0.66	08	2001	2001-08	0.0212	0.0186	0.0027	0.0176	0.1340	0.0388	0.0952	0.0037	0.0011	0.1292	1.1643			32.71	35.29	30.37	30.27	5.40	5.51	1.24			36.24	34.35	10.50	81.29	84.23
126.0	28-Aug-01	1216	135	South Card Sound	25.31667	-80.31667	2001.65	BB	SCARD	0.65	08	2001	2001-08	0.0088	0.0058	0.0029	0.0156	0.2117	0.0243	0.1874	0.0028	0.0004	0.1955	0.3362			33.56	33.56	31.19	31.22	5.53	5.78	0.21			75.89	62.65	8.72	84.14	87.96
127.0	28-Sep-01	1435	101	Convoy Point	25.47833	-80.32083	2001.74	BB	AS	0.74	09	2001	2001-09	0.3157	0.3074	0.0083	0.0702	0.4978	0.3859	0.1119	0.0063	0.0026	0.5125	0.5137	4.4855		20.46	25.07	27.97	28.42	4.81	5.00	0.95			79.31	150.89	61.47	65.78	70.67
127.0	28-Sep-01	1505	102	Black Point	25.54583	-80.29467	2001.74	BB	AS	0.74	09	2001	2001-09	0.1108	0.1041	0.0067	0.0544	0.3118	0.1651	0.1467	0.0054	0.0024	0.2393	0.4552	4.9898		24.13	24.30	28.58	28.64	4.42	4.58	0.58			57.48	68.73	30.44	62.19	64.55
127.0	28-Sep-01	1514	103	Near Black Ledge	25.57333	-80.28667	2001.74	BB	IS	0.74	09	2001	2001-09	0.0497	0.0429	0.0068	0.0451	0.2540	0.0949	0.1592	0.0046	0.0025	0.9248	0.6545	5.3980		23.25	23.34	28.00	28.01	5.67	5.81	0.86			55.56	38.25	20.74	78.94	80.94
127.0	28-Sep-01	1055	104	BNP Marker C	25.60167	-80.22083	2001.74	BB	MAIN	0.74	09	2001	2001-09	0.0039	0.0030	0.0008	0.0090	0.1185	0.0128	0.1057	0.0033	0.0025	0.1093	0.2943	2.4118		34.50	34.55	28.59	28.60	5.75	6.64	0.61			35.57	5.17	3.84	86.37	99.78
127.0	28-Sep-01	1112	108	Marker G-1B	25.56917	-80.19250	2001.74	BB	MAIN	0.74	09	2001	2001-09	0.0019	0.0011	0.0008	0.0052	0.0978	0.0071	0.0907	0.0026	0.0020	0.0891	0.2157	2.0143		35.67	35.67	28.40	28.41	4.45	4.47	0.67			38.25	3.53	2.78	67.23	67.54
127.0	28-Sep-01	1122	109	North Midbay	25.56417	-80.23500	2001.74	BB	MAIN	0.74	09	2001	2001-09	0.0033	0.0023	0.0010	0.0057	0.1231	0.0090	0.1141	0.0032	0.0025	0.1444	0.4607	2.4428		35.13	35.11	28.64	28.64	4.15	4.06	0.57			38.75	3.63	2.83	62.61	61.24
127.0	28-Sep-01	1450	110	Fender Point	25.50500	-80.28750	2001.74	BB	IS	0.74	09	2001	2001-09	0.0904	0.0866	0.0039	0.0456	0.2730	0.1360	0.1370	0.0036	0.0026	0.2183	0.3766	4.3455		27.27	29.82	28.06	28.43	5.71	5.74	0.67			74.94	53.18	37.34	81.58	83.61
127.0	28-Sep-01	1135	111	Featherbed Bank	25.51583	-80.24000	2001.74	BB	MAIN	0.74	09	2001	2001-09	0.0049	0.0036	0.0013	0.0113	0.1582	0.0162	0.1420	0.0029	0.0022	0.1370	0.2486	2.7145		35.44	35.54	28.68	28.67	4.24	3.92	0.55			55.18	7.20	5.65	64.11	59.31
127.0	28-Sep-01	1150	112	Sands Cut	25.48833	-80.18833	2001.74	BB	MAIN	0.74	09	2001	2001-09	0.0019	0.0013	0.0006	0.0064	0.1498	0.0083	0.1415	0.0035	0.0020	0.0818	0.2504	2.0560		35.44	35.46	28.40	28.43	3.74	4.28	0.47			42.95	4.10	2.37	56.42	64.60
127.0	28-Sep-01	1220	113	Elliott Key	25.44167	-80.22333	2001.74	BB	MAIN	0.74	09	2001	2001-09	0.0076	0.0065	0.0011	0.0218	0.1630	0.0294	0.1335	0.0033	0.0015	0.1179	0.2687	2.2830		35.35	35.42	28.85	28.89	4.84	4.64	0.66			50.06	19.99	9.04	73.24	70.27
127.0	28-Sep-01	1231	116	Rubicon Keys	25.40000	-80.25500	2001.74	BB	MAIN	0.74	09	2001	2001-09	0.0092	0.0081	0.0012	0.0148	0.1902	0.0240	0.1661	0.0029	0.0008	0.1535	0.2980	3.3923		33.52	35.47	28.96	28.83	4.33	4.34	0.58			66.33	31.03	8.39	64.83	65.72
127.0	28-Sep-01	1245	121	North Card Sound	25.35500	-80.29167	2001.74	BB	SCARD	0.74	09	2001	2001-09	0.0058	0.0044	0.0014	0.0160	0.2081	0.0219	0.1863	0.0024	0.0012	0.1161	0.3638	4.0363		32.34	33.14	28.98	28.75	4.57	4.81	0.41			86.62	17.63	9.10	67.93	71.73
127.0	28-Sep-01	1415	122	West Arsenicker	25.42017	-80.31083	2001.74	BB	IS	0.74	09	2001	2001-09	0.0197	0.0172	0.0026	0.0301	0.2659	0.0498	0.2160	0.0045	0.0009	0.5682	0.8574	5.3318		29.11	29.42	28.02	28.24	5.23	5.26	1.72			59.15	54.03	11.09	75.57	76.30
127.0	28-Sep-01	1425	123	Pelican Bank	25.44500	-80.28333	2001.74	BB	MAIN	0.74	09	2001	2001-09	0.0246	0.0227	0.0019	0.0197	0.2834	0.0443	0.2391	0.0042	0.0020	0.1690	0.4515	3.8005		31.39	31.42	28.27	28.22	5.53	5.30	0.50			67.72	21.98	10.58	81.24	77.84
127.0	28-Sep-01	1200	124	South Midbay	25.47250	-80.23333	2001.74	BB	MAIN	0.74	09	2001	2001-09	0.0031	0.0023	0.0007	0.0261	0.1512	0.0291	0.1220	0.0038	0.0022	0.1784	0.2066	2.8253		34.86	35.23	28.59	28.91	5.04	4.97	0.56			39.81	12.97	7.67	75.88	75.19
127.0	28-Sep-01	1015	126	BNP Marker B	25.67167	-80.20500	2001.74	BB	MAIN	0.74	09	2001	2001-09	0.0098	0.0079	0.0019	0.0219	0.1442	0.0317	0.1124	0.0048	0.0002	0.0666	0.6051	3.2258		32.11	32.62	28.27	28.65	5.56	5.94	1.08			30.00	151.59	6.60	82.05	88.22
127.0	28-Sep-01	1525	127	Shoal Point	25.63000	-80.25000	2001.74	BB	IS	0.74	09	2001	2001-09	0.0137	0.0120	0.0017	0.0238	0.1515	0.0375	0.1140	0.0043	0.0011	0.1674	0.3546	3.7303		29.85	30.39	28.33	28.49	5.05	5.03	0.34			34.90	34.58	8.64	73.51	73.56
127.0	28-Sep-01	1545	128	Matheson Beach	25.68833	-80.23333	2001.74	BB	IS	0.74	09	2001	2001-09	0.0119	0.0097	0.0022	0.0174	0.1633	0.0293	0.1340	0.0041	0.0016	0.1741	0.7641	3.6918		30.09	29.93	28.38	28.55	4.67	4.75	0.34			39.75	17.99	7.13	68.11	69.30
127.0	28-Sep-01	1007	129	Marker G-71	25.73667	-80.18500	2001.74	BB	MAIN	0.74	09	2001	2001-09	0.0482	0.0401	0.0081	0.0707	0.2218	0.1189	0.1029	0.0060	0.0021	0.0500	0.5265	4.8730		28.10	31.00	28.30	28.80	5.30	4.80	1.70			37.17	56.84	19.93	76.28	70.65
127.0	28-Sep-01	1030	130	South Dodge Island	25.76333	-80.17167	2001.74	BB	NBAY	0.74	09	2001	2001-09	0.0396	0.0330	0.0066	0.0620	0.2200	0.1016	0.1183	0.0065	0.0022	0.0466	0.5100	3.9950		27.80	32.20	28.30	28.70	4.50	5.10	1.85			33.79	45.22	15.61	64.64	75.57
127.0	28-Sep-01	1055	131	North Venetian Basin	25.80000	-80.16667	2001.74	BB	NBAY	0.74	09	2001	2001-09	0.0390	0.0341	0.0049	0.0389	0.1966	0.0780	0.1186	0.0060	0.0005	0.0518	0.5301	3.6408		28.90	30.10	28.20	28.70	4.40	4.30	0.93			32.53	143.74	12.90	63.59	62.88
127.0	28-Sep-01	1110	132	North I-195 Basin	25.81667	-80.16667	2001.74	BB	NBAY	0.74	09	2001	2001-09	0.0205	0.0174	0.0031	0.0320	0.1448	0.0525	0.0922	0.0062	0.0017	0.1075	0.4131	4.6893		26.50	27.90	27.70	28.30	3.00	3.80	0.45			23.35	30.80	8.47	42.52	54.62
127.0	28-Sep-01	1140	133	North Normandy Isle	25.86667	-80.15000	2001.74	BB	NBAY	0.74	09	2001	2001-09	0.0478	0.0421	0.0057	0.0964	0.1891	0.1442	0.0449	0.0109	0.0021	0.0376	0.8501	4.5270		25.70	31.30	28.10	29.50	5.50	4.10	1.38			17.30	68.91	13.20	77.83	60.79
127.0	28-Sep-01	1250	134	Oleta River Park	25.90500	-80.13333	2001.74	BB	NBAY	0.74	09	2001	2001-09	0.0374	0.0328	0.0046	0.0496	0.2041	0.0870	0.1172	0.0095	0.0022	0.0542	1.3747	4.1678		27.60	34.70	28.10	28.60	5.20	5.10	1.13			21.42	40.08	9.12	74.48	76.71
127.0	28-Sep-01	1355	135	South Card Sound	25.31667	-80.31667	2001.74	BB	SCARD	0.74	09	2001	2001-09	0.0092	0.0069	0.0022	0.0230	0.2233	0.0322	0.1911	0.0050	0.0016	0.1324	0.3729	5.3275		29.88	29.90	28.63	28.85	5.75	5.75	0.30			45.08	19.77	6.50	83.92	84.08
128.0	16-Oct-01	1340	101	Convoy Point	25.47833	-80.32083	2001.79	BB	AS	0.79	10	2001	2001-10	0.2056	0.1951	0.0105	0.0569	0.4046	0.2626	0.1420	0.0036	0.0028	0.2445	0.2285	4.4600		20.79	21.99	28.42	28.26	6.52	5.95	1.40			111.07	93.59	72.09	89.71	82.37
128.0	16-Oct-01	1403	102	Black Point	25.54583	-80.29467	2001.79	BB	AS	0.79	10	2001	2001-10	0.4303	0.4176	0.0127	0.0905	0.5270	0.5208	0.0062	0.0057	0.0031	0.3047	0.2651	5.3000		16.94	17.15	28.67	28.61	6.72	6.71	0.90			91.89	166.74	90.81	90.44	90.38
128.0	16-Oct-01	1429	103	Near Black Ledge	25.57333	-80.28667	2001.79	BB	IS	0.79	10	2001	2001-10	0.1831	0.1748	0.0083	0.0334	0.3467	0.2165	0.1302	0.0038	0.0023	0.4616	0.3035	4.5325		21.95	21.91	28.77	28.78	7.68	7.22	0.75			91.30	92.20	57.01	106.76	100.35
128.0	16-Oct-01	1039	104	BNP Marker C	25.60167	-80.22083	2001.79	BB	MAIN	0.79	10	2001	2001-10	0.0033	0.0019	0.0014	0.0061	0.1674	0.0094	0.1580	0.0030	0.0015	0.0967	0.2706	2.2200		33.23	33.26	27.26	27.23	5.99	5.94	0.83			55.38	6.29	3.11	88.24	87.50
128.0	16-Oct-01	1053	108	Marker G-1B	25.56917	-80.19250	2001.79	BB	MAIN	0.79	10	2001	2001-10	0.0012	0.0003	0.0009	0.0056	0.1783	0.0068	0.1715	0.0040	0.0014	0.1019	0.1042	1.7700		35.11	35.09	27.26	27.25	5.22	5.48	0.85			45.12	4.96	1.72	77.82	81.68
128.0	16-Oct-01	1109	109	North Midbay	25.56417	-80.23500	2001.79	BB	MAIN	0.79	10	2001	2001-10	0.0030	0.0018	0.0012	0.0062	0.1602	0.0092	0.1510	0.0031	0.0003	0.0990	0.2687	2.1508		33.15	33.15	27.24	27.18	6.25	6.28	0.90			51.81	26.95	2.97	92.01	92.40
128.0	16-Oct-01	1355	110	Fender Point	25.50500	-80.28750	2001.79	BB	IS	0.79	10	2001	2001-10	0.1895	0.1849	0.0046	0.0339	0.3350	0.2234	0.1116	0.0030	0.0004	0.1523	0.2084	3.0443		26.85	26.66	28.37	28.37	6.61	6.73	0.60			110.83	598.00	73.91	94.44	96.04
128.0	16-Oct-01	1123	111	Featherbed Bank	25.51583	-80.24000	2001.79	BB	MAIN	0.79	10	2001	2001-10	0.0024	0.0013	0.0010	0.0038	0.1737	0.0062	0.1676	0.0030	0.0011	0.1145	0.1755	1.8590		34.03	34.03	27.69	27.60	6.22	5.96	0.92			57.47	5.59	2.04	92.45	88.52
128.0	16-Oct-01	1138	112	Sands Cut	25.48833	-80.18833	2001.79	BB	MAIN	0.79	10	2001	2001-10	0.0010	0.0001	0.0009	0.0043	0.1834	0.0053	0.1780	0.0042	0.0010	0.0944	0.2303	2.7950		34.32	34.31	27.59	27.49	4.91	4.54	0.60			43.81	5.21	1.27	73.05	67.48
128.0	16-Oct-01	1201	113	Elliott Key	25.44167	-80.22333	2001.79	BB	MAIN	0.79	10	2001	2001-10	0.0063	0.0050	0.0013	0.0266	0.1633	0.0330	0.1304	0.0032	0.0009	0.1632	0.1207	2.9800		34.06	34.06	27.52	27.50	6.15	6.01	0.60			51.53	37.03	10.40	91.29	89.20
128.0	16-Oct-01	1230	116	Rubicon Keys	25.40000	-80.25500	2001.79	BB	MAIN	0.79	10	2001	2001-10	0.0080	0.0068	0.0013	0.0075	0.1477	0.0155	0.1322	0.0035	0.0003	0.1057	0.2066	2.8325		33.37	33.35	27.90	27.88	5.98	6.07	0.70			41.60	55.61	4.37	88.67	89.98
128.0	16-Oct-01	1245	121	North Card Sound	25.35500	-80.29167	2001.79	BB	SCARD	0.79	10	2001	2001-10	0.0123	0.0101	0.0022	0.0118	0.1750	0.0242	0.1508	0.0030	0.0007	0.1456	0.2395	3.3550		31.56	32.10	27.79	27.75	5.06	5.66	0.80			57.89	34.53	7.99	74.11	83.15
128.0	16-Oct-01	1317	122	West Arsenicker	25.42017	-80.31083	2001.79	BB	IS	0.79	10	2001	2001-10	0.0935	0.0864	0.0071	0.0246	0.2599	0.1180	0.1418	0.0048	0.0008	0.4374	0.3601	4.4075		25.97	26.15	28.06	27.94	6.52	6.98	0.75			54.52	155.42	24.77	92.39	98.92
128.0	16-Oct-01	1327	123	Pelican Bank	25.44500	-80.28333	2001.79	BB	MAIN	0.79	10	2001	2001-10	0.0463	0.0437	0.0026	0.0218	0.2126	0.0681	0.1445	0.0035	0.0001	0.1517	0.2815	4.0800		30.21	30.36	28.08	27.97	6.38	6.35	0.60			60.95	505.00	19.53	92.88	92.44
128.0	16-Oct-01	1152	124	South Midbay	25.47250	-80.23333	2001.79	BB	MAIN	0.79	10	2001	2001-10	0.0018	0.0005	0.0013	0.0151	0.1244	0.0169	0.1075	0.0035	0.0009	0.1518	0.2687	2.8775		33.94	33.91	27.49	27.39	5.81	6.08	0.65			35.67	18.04	4.85	86.16	90.06
128.0	16-Oct-01	1015	126	BNP Marker B	25.67167	-80.20500	2001.79	BB	MAIN	0.79	10	2001	2001-10	0.0168	0.0142	0.0027	0.0137	0.1527	0.0305	0.1222	0.0029	0.0007	0.1864	0.4972	3.0900		31.17	31.26	27.01	26.94	6.49	6.83	1.20			53.25	44.29	10.65	94.15	99.07
128.0	16-Oct-01	1443	127	Shoal Point	25.63000	-80.25000	2001.79	BB	IS	0.79	10	2001	2001-10	0.0129	0.0104	0.0024	0.0097	0.1436	0.0226	0.1210	0.0031	0.0017	0.1578	0.2486	3.4525		30.60	30.86	28.00	27.80	6.60	6.57	0.45			46.32	13.08	7.29	96.25	95.81
128.0	16-Oct-01	1456	128	Matheson Beach	25.68833	-80.23333	2001.79	BB	IS	0.79	10	2001	2001-10	0.0287	0.0246	0.0041	0.0078	0.1941	0.0365	0.1577	0.0026	0.0012	0.1121	0.3949	4.0600		26.57	28.11	28.40	27.53	5.70	6.46	0.45			75.90	31.15	14.25	81.32	92.35
128.0	16-Oct-01	1035	129	Marker G-71	25.73667	-80.18500	2001.79	BB	MAIN	0.79	10	2001	2001-10	0.0213	0.0171	0.0042	0.0094	0.1833	0.0307	0.1527	0.0050	0.0010	0.2798	1.5246	3.6525		29.10	29.20	27.30	27.30	6.60	6.70	2.05			36.96	31.40	6.18	94.75	96.24
128.0	16-Oct-01	1100	130	South Dodge Islanc	25.76333	-80.17167	2001.79	BB	NBAY	0.79	10	2001	2001-10	0.0208	0.0162	0.0045	0.0094	0.1621	0.0302	0.1318	0.0040	0.0015	0.2678	1.1553	3.6175		28.70	31.00	27.50	27.30	6.90	7.40	1.65			41.01	20.32	7.65	98.98	107.52

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
128.0	16-Oct-01	1119	131	North Venetian Basin	25.80000	-80.16667	2001.79	BB	NBAY	0.79	10	2001	2001-10	0.0275	0.0229	0.0046	0.0173	0.1730	0.0448	0.1282	0.0066	0.0017	0.3365	2.4076	3.0988		28.50	30.10	27.30	27.20	7.30	7.40	3.55			26.26	26.14	6.80	104.40	106.81
128.0	16-Oct-01	1144	132	North I-195 Basin	25.81667	-80.16667	2001.79	BB	NBAY	0.79	10	2001	2001-10	0.0250	0.0211	0.0039	0.0173	0.1555	0.0423	0.1132	0.0077	0.0013	0.2755	1.9451	3.4100		27.40	27.40	27.30	27.30	7.00	7.50	1.65			20.27	32.08	5.51	99.41	106.51
128.0	16-Oct-01	1209	133	North Normandy Isle	25.86667	-80.15000	2001.79	BB	NBAY	0.79	10	2001	2001-10	0.0501	0.0444	0.0057	0.0337	0.2120	0.0838	0.1282	0.0077	0.0015	0.5748	3.2467	4.1325		24.90	29.80	28.00	27.50	8.30	7.80	1.65			27.63	56.30	10.92	116.76	112.68
128.0	16-Oct-01	1229	134	Oleta River Park	25.90500	-80.13333	2001.79	BB	NBAY	0.79	10	2001	2001-10	0.0320	0.0267	0.0053	0.0156	0.1375	0.0476	0.0899	0.0053	0.0015	0.3821	0.8117	3.1175		30.60	34.10	27.70	27.30	8.20	8.50	2.00			26.08	31.47	9.02	119.27	125.96
128.0	16-Oct-01	1255	135	South Card Sound	25.31667	-80.31667	2001.79	BB	SCARD	0.79	10	2001	2001-10	0.0570	0.0506	0.0064	0.0299	0.1962	0.0869	0.1093	0.0026	0.0021	0.1443	0.4972	4.3175		26.70	30.29	27.46	27.56	6.81	6.00	0.45			76.70	41.84	33.98	96.43	86.99
129.0	15-Nov-01	1625	101	Convoy Point	25.47833	-80.32083	2001.87	BB	AS	0.87	11	2001	2001-11	0.1051	0.1014	0.0037	0.0503	0.3913	0.1554	0.2359	0.0082	0.0010	0.1171	0.3985	3.3230	0.1394	24.90	25.10	23.30	23.40	7.60	7.00	0.16			47.50	148.04	18.86	101.71	93.92
129.0	19-Nov-01	1120	102	Black Point	25.54583	-80.29467	2001.88	BB	AS	0.88	11	2001	2001-11	0.0209	0.0178	0.0032	0.0361	0.2300	0.0571	0.1729	0.0077	0.0009	0.1477	0.1901	3.9335	0.1786	24.80	24.80	23.10	23.10	6.30	6.80	0.43			29.85	66.28	7.41	84.05	90.72
129.0	19-Nov-01	1133	103	Near Black Ledge	25.57333	-80.28667	2001.88	BB	IS	0.88	11	2001	2001-11	0.0083	0.0064	0.0019	0.0308	0.1684	0.0391	0.1294	0.0070	0.0006	0.2112	0.1956	3.2625	0.0439	27.00	27.10	23.10	23.10	5.70	5.60	0.49			23.96	60.49	5.56	77.14	75.84
129.0	15-Nov-01	1145	104	BNP Marker C	25.60167	-80.22083	2001.87	BB	MAIN	0.87	11	2001	2001-11	0.0151	0.0123	0.0029	0.0100	0.2953	0.0251	0.2702	0.0050	0.0002	0.1587	0.5923	2.8028	0.0296	30.00	30.10	22.80	22.90	6.70	6.70	0.51			59.63	126.40	5.07	92.12	92.30
129.0	15-Nov-01	1205	108	Marker G-1B	25.56917	-80.19250	2001.87	BB	MAIN	0.87	11	2001	2001-11	0.0057	0.0041	0.0016	0.0066	0.2520	0.0123	0.2397	0.0049	0.0000	0.0863	0.3766	2.5220	0.0252	31.90	32.00	22.90	22.90	6.60	6.60	0.43			50.96		2.48	92.00	92.06
129.0	15-Nov-01	1220	109	North Midbay	25.56417	-80.23500	2001.87	BB	MAIN	0.87	11	2001	2001-11	0.0036	0.0023	0.0013	0.0044	0.1975	0.0080	0.1894	0.0056	0.0000	0.0749	0.3400	2.4250	0.0112	31.90	31.90	22.90	22.90	6.50	7.00	0.38			35.29		1.44	90.60	97.57
129.0	15-Nov-01	1640	110	Fender Point	25.50500	-80.28750	2001.87	BB	IS	0.87	11	2001	2001-11	0.0468	0.0446	0.0022	0.0111	0.3266	0.0579	0.2687	0.0052	0.0003	0.0945	0.2632	2.7573	0.0315	28.80	28.80	22.90	22.90	6.70	7.00	0.19			62.61	169.63	11.10	91.52	95.61
129.0	15-Nov-01	1245	111	Featherbed Bank	25.51583	-80.24000	2001.87	BB	MAIN	0.87	11	2001	2001-11	0.0009	0.0001	0.0008	0.0044	0.4303	0.0053	0.4249	0.0059	0.0005	0.0758	0.2249	2.4383	0.0091	32.70	32.60	22.80	22.90	6.40	6.40	0.39			73.24	10.74	0.91	89.56	89.62
129.0	15-Nov-01	1306	112	Sands Cut	25.48833	-80.18833	2001.87	BB	MAIN	0.87	11	2001	2001-11	0.0008	0.0000	0.0008	0.0036	0.3821	0.0044	0.3777	0.0052	0.0003	0.0815	0.3437	2.2793	0.0005	33.40	33.30	23.00	23.10	6.80	6.20	0.45			73.91	13.84	0.85	95.83	87.43
129.0	15-Nov-01	1345	113	Elliott Key	25.44167	-80.22333	2001.87	BB	MAIN	0.87	11	2001	2001-11	0.0965	0.0933	0.0032	0.0283	0.6081	0.1248	0.4833	0.0053	0.0003	0.1029	0.3455	3.0583	0.0913	27.50	28.70	22.70	22.90	7.00	8.20	0.43			115.22	364.42	23.64	94.57	111.93
129.0	15-Nov-01	1410	116	Rubicon Keys	25.40000	-80.25500	2001.87	BB	MAIN	0.87	11	2001	2001-11	0.1117	0.1085	0.0032	0.0323	0.4932	0.1441	0.3492	0.0046	0.0018	0.0872	0.4259	3.2330	0.0659	25.40	29.10	22.80	23.20	6.80	8.20	0.33			108.23	81.23	31.61	90.73	112.64
129.0	15-Nov-01	1430	121	North Card Sound	25.35500	-80.29167	2001.87	BB	SCARD	0.87	11	2001	2001-11	0.0901	0.0853	0.0049	0.0292	0.3884	0.1193	0.2691	0.0051	0.0020	0.1544	0.3345	3.6305	0.0258	24.60	30.20	23.00	23.30	6.80	8.50	0.25			75.94	59.37	23.33	90.48	117.75
129.0	15-Nov-01	1550	122	West Arsenicker	25.42017	-80.31083	2001.87	BB	IS	0.87	11	2001	2001-11	0.2057	0.2003	0.0054	0.0361	0.4967	0.2418	0.2549	0.0050	0.0015	0.1897	0.3126	3.9125	0.0663	21.40	21.50	23.10	23.10	6.50	7.20	0.10			99.36	164.63	48.36	84.81	94.01
129.0	15-Nov-01	1610	123	Pelican Bank	25.44500	-80.28333	2001.87	BB	MAIN	0.87	11	2001	2001-11	0.1858	0.1816	0.0043	0.0263	0.3439	0.2121	0.1318	0.0048	0.0007	0.0974	0.4643	3.1523	0.1672	25.60	31.80	22.90	24.00	6.60	6.40	0.27			70.94	307.24	43.75	88.29	90.33
129.0	15-Nov-01	1330	124	South Midbay	25.47250	-80.23333	2001.87	BB	MAIN	0.87	11	2001	2001-11	0.0012	0.0002	0.0010	0.0047	0.2459	0.0059	0.2399	0.0049	0.0004	0.0861	0.2285	2.2043	0.0000	33.30	33.30	23.10	23.10	5.90	6.30	0.25			50.04	14.48	1.20	83.20	88.84
129.0	15-Nov-01	1125	126	BNP Marker B	25.67167	-80.20500	2001.87	BB	MAIN	0.87	11	2001	2001-11	0.0123	0.0100	0.0024	0.0096	0.2695	0.0219	0.2476	0.0066	0.0004	0.3545	1.8976	2.9085	0.0312	30.80	33.50	23.30	24.10	7.00	7.10	0.86			41.11	54.81	3.35	97.35	101.44
129.0	19-Nov-01	1150	127	Shoal Point	25.63000	-80.25000	2001.88	BB	IS	0.88	11	2001	2001-11	0.0111	0.0086	0.0024	0.0079	0.3298	0.0190	0.3109	0.0055	0.0006	0.0838	0.3711	3.0388	0.0556	28.20	28.20	22.90	22.90	5.80	6.60	0.39			59.52	31.60	3.42	78.91	89.80
129.0	19-Nov-01	1206	128	Matheson Beach	25.68833	-80.23333	2001.88	BB	IS	0.88	11	2001	2001-11	0.0124	0.0099	0.0024	0.0053	0.3525	0.0176	0.3349	0.0051	0.0009	0.1176	0.5173	3.0405	0.1845	28.50	31.30	23.30	23.20	6.70	6.60	0.58			69.44	18.56	3.47	91.79	91.97
129.0	19-Nov-01	1230	129	Marker G-71	25.73667	-80.18500	2001.88	BB	MAIN	0.88	11	2001	2001-11	0.0243	0.0211	0.0033	0.0186	0.3283	0.0429	0.2854	0.0074	0.0011	0.1087	1.5447	2.8633	0.2753	31.30	33.60	24.10	23.90	5.60	6.00	1.40			44.27	39.63	5.79	78.87	85.58
129.0	19-Nov-01	1245	130	South Dodge Island	25.76333	-80.17167	2001.88	BB	NBAY	0.88	11	2001	2001-11	0.0128	0.0105	0.0023	0.0098	0.2920	0.0225	0.2695	0.0075	0.0009	0.0638	1.1224	2.1395	0.1073	33.70	34.40	24.60	24.60	6.10	5.80	1.34			39.04	23.81	3.01	87.75	83.82
129.0	19-Nov-01	1315	131	North Venetian Basin	25.80000	-80.16667	2001.88	BB	NBAY	0.88	11	2001	2001-11	0.0114	0.0094	0.0020	0.0092	0.2702	0.0206	0.2497	0.0057	0.0010	0.1343	1.7476	2.8428	0.0981	31.10	32.00	24.10	24.30	6.40	3.20	1.68			47.57	20.85	3.62	90.03	45.38
129.0	19-Nov-01	1330	132	North I-195 Basin	25.81667	-80.16667	2001.88	BB	NBAY	0.88	11	2001	2001-11	0.0071	0.0055	0.0017	0.0113	0.2165	0.0185	0.1980	0.0071	0.0011	0.1005	1.1407	3.3508	0.0995	29.70	29.70	23.60	23.60	7.20	7.40	1.00			30.49	17.44	2.60	99.78	102.55
129.0	19-Nov-01	1356	133	North Normandy Isle	25.86667	-80.15000	2001.88	BB	NBAY	0.88	11	2001	2001-11	0.0323	0.0277	0.0046	0.0158	0.1888	0.0480	0.1408	0.0071	0.0014	0.1188	1.6617	3.2790	0.1730	29.80	33.80	23.70	24.30	6.70	6.40	1.38			26.66	34.48	6.78	93.02	91.82
129.0	19-Nov-01	1425	134	Oleta River Park	25.90500	-80.13333	2001.88	BB	NBAY	0.88	11	2001	2001-11	0.0146	0.0119	0.0027	0.0039	0.1083	0.0185	0.0898	0.0075	0.0014	0.0671	3.2229	2.2658	0.1924	33.70	34.90	24.60	24.40	6.50	6.40	1.71			14.40	13.56	2.46	93.51	92.58
129.0	15-Nov-01	1445	135	South Card Sound	25.31667	-80.31667	2001.87	BB	SCARD	0.87	11	2001	2001-11	0.0725	0.0675	0.0050	0.0370	0.2775	0.1095	0.1680	0.0056	0.0016	0.0789	0.5832	3.9270	0.0546	24.90	25.30	23.10	23.10	6.80	8.90	0.15			49.86	66.75	19.68	90.78	119.12
130.0	19-Dec-01	1358	101	Convoy Point	25.47833	-80.32083	2001.96	BB	AS	0.96	12	2001	2001-12	0.1236	0.1174	0.0062	0.0237	0.2189	0.1472	0.0717	0.0035	0.0005	0.1279	0.3382	3.2575		28.29	30.55	24.88	25.37	6.72	7.03	0.63			62.77	275.32	42.22	93.65	99.93
130.0	19-Dec-01	1421	102	Black Point	25.54583	-80.29467	2001.96	BB	AS	0.96	12	2001	2001-12	0.0537	0.0493	0.0044	0.0081	0.1811	0.0618	0.1193	0.0025	0.0009	0.1871	0.2322	3.6955		25.96	26.60	24.95	24.95	7.12	7.51	0.42			72.58	69.94	24.76	97.82	103.60
130.0	19-Dec-01	1435	103	Near Black Ledge	25.57333	-80.28667	2001.96	BB	IS	0.96	12	2001	2001-12	0.0187	0.0163	0.0024	0.0105	0.1195	0.0293	0.0902	0.0021	0.0005	0.1939	0.2760	3.4930		28.38	28.72	24.86	24.88	7.31	7.60	0.52			57.52	58.08	14.09	101.90	106.20
130.0	19-Dec-01	1040	104	BNP Marker C	25.60167	-80.22083	2001.96	BB	MAIN	0.96	12	2001	2001-12	0.0022	0.0013	0.0010	0.0031	0.0883	0.0053	0.0830	0.0025	0.0002	0.0606	0.2779	2.7845		33.50	33.54	24.49	24.48	6.57	7.10	0.67			34.95	22.19	2.11	94.28	101.90
130.0	19-Dec-01	1047	108	Marker G-1B	25.56917	-80.19250	2001.96	BB	MAIN	0.96	12	2001	2001-12	0.0043	0.0033	0.0010	0.0023	0.0704	0.0066	0.0638	0.0027	0.0004	0.0712	0.2486	2.5330		34.43	34.44	24.37	24.40	6.05	5.67	0.79			26.26	16.00	2.45	87.22	81.78
130.0	19-Dec-01	1058	109	North Midbay	25.56417	-80.23500	2001.96	BB	MAIN	0.96	12	2001	2001-12	0.0021	0.0012	0.0009	0.0035	0.1150	0.0056	0.1094	0.0028	0.0002	0.0793	0.2504	2.3455		34.58	34.68	24.57	24.56	7.03	7.36	0.67			41.34	25.01	2.02	101.68	106.51
130.0	19-Dec-01	1408	110	Fender Point	25.50500	-80.28750	2001.96	BB	IS	0.96	12	2001	2001-12	0.0524	0.0491	0.0033	0.0126	0.0815	0.0650	0.0165	0.0027	0.0005	0.1125	0.3071	2.6395		31.46	31.64	24.99	24.98	6.76	6.97	0.57			29.78	131.06	23.76	96.26	99.36
130.0	19-Dec-01	1109	111	Featherbed Bank	25.51583	-80.24000	2001.96	BB	MAIN	0.96	12	2001	2001-12	0.0011	0.0000	0.0011	0.0074	0.0583	0.0085	0.0498	0.0053	0.0001	0.0843	0.1810	2.3163		34.87	34.83	24.46	24.44	6.78	7.17	0.53			10.93	122.09	1.60	98.13	103.72
130.0	19-Dec-01	1136	112	Sands Cut	25.48833	-80.18833	2001.96	BB	MAIN	0.96	12	2001	2001-12	0.0007	0.0000	0.0007	0.0029	0.0870	0.0037	0.0833	0.0042	0.0010	0.0671	0.2834	2.0408		35.76	35.75	24.62	24.64	7.42	7.53	0.58			20.71	3.56	0.87	108.20	109.82
130.0	19-Dec-01	1154	113	Elliott Key	25.44167	-80.22333	2001.96	BB	MAIN	0.96	12	2001	2001-12	0.0264	0.0247	0.0018	0.0134	0.0865	0.0398	0.0467	0.0039	0.0008	0.0870	0.4004	2.8095		32.91	33.21	24.27	24.16	6.76	6.83	0.93			22.02	50.88	10.14	96.40	97.46
130.0	19-Dec-01	1237	116	Rubicon Keys	25.40000	-80.25500	2001.96	BB	MAIN	0.96	12	2001	2001-12	0.0095	0.0080	0.0015	0.0066	0.0818	0.0162	0.0656	0.0033	0.0000	0.0977	0.3236	2.6048		33.83	33.72	24.38	24.46	6.24	6.49	0.71			24.48		4.84	89.62	93.23
130.0	19-Dec-01	1250	121	North Card Sound	25.35500	-80.29167	2001.96	BB	SCARD	0.96	12	2001	2001-12	0.0045	0.0034	0.0010	0.0075	0.2085	0.0120	0.1965	0.0034	0.0005	0.0962	0.3656	2.7573		33.25	33.36	24.74	24.76	6.61	6.87	0.64			62.14	25.09	3.58	94.96	98.79
130.0	19-Dec-01	1326	122	West Arsenicker	25.42017	-80.31083	2001.96	BB	IS	0.96	12	2001	2001-12	0.0738	0.0703	0.0035	0.0217	0.1148	0.0956	0.0192	0.0054	0.0001	0.1351	0.4186	3.4658		27.07	27.28	24.26	24.26	7.32	7.06	0.57			21.09	648.90	17.56	100.50	97.06
130.0	19-Dec-01	1340	123	Pelican Bank	25.44500	-80.28333	2001.96	BB	MAIN	0.96	12	2001	2001-12	0.0423	0.0398	0.0025	0.0128	0.1009	0.0551	0.0458	0.0037	0.0004	0.0942	0.3126	2.7633		31.85	31.99	24.76	24.79	6.81	7.21	0.52			27.59	151.31	15.07	96.98	102.80
130.0	19-Dec-01	1124	124	South Midbay	25.47250	-80.23333	2001.96	BB	MAIN	0.96	12	2001	2001-12	0.0305	0.0283	0.0022	0.0126	0.0741	0.0431	0.0311	0.0043	0.0005	0.0793	0.2303	2.4860		32.62	34.40	24.27	24.71	7.26	7.37	0.67			17.14	80.50	9.95	103.33	106.63
130.0	14-Dec-01	1010	126	BNP Marker B	25.67167	-80.20500	2001.95	BB	MAIN	0.95	12	2001	2001-12	0.0089	0.0077	0.0012	0.0077	0.0495	0.0167	0.0328	0.0056	0.0000	0.0871	0.4314	2.5208		32.10	32.40	24.70	24.60	6.00	6.00	1.88			8.87		2.99	85.52	85.59
130.0	19-Dec-01	1447	127	Shoal Point	25.63000	-80.25000	2001.96	BB	IS	0.96	12	2001	2001-12	0.0044	0.0033	0.0010	0.0052	0.1049	0.0095	0.0954	0.0031	0.0000	0.0746	0.5850	2.9170		31.75	32.40	24.71	24.66	6.65	7.03	0.34			34.35		3.11	94.58	100.35
130.0	14-Dec-01	1025	128	Matheson Beach	25.68833	-80.23333	2001.95	BB	IS	0.95	12	2001	2001-12	0.0046	0.0037	0.0008	0.0033	0.0906	0.0079	0.0828	0.0033	0.0003	0.0907	0.3821	3.1080		30.60	30.90	24.80	24.70	6.10	6.50	0.38			27.07	23.64	2.35	86.21	91.94
130.0	14-Dec-01	1046	129	Marker G-71	25.73667	-80.18500	2001.95	BB	MAIN	0.95	12	2001	2001-12	0.0055	0.0043	0.0012	0.0079	0.0794	0.0134	0.0660	0.0033	0.0007	0.0801	0.3894	3.1578		29.90	30.00	24.80	24.70	5.90	6.10	0.52			24.06	20.37	4.06	83.00	85.78
130.0	14-Dec-01	1105	130	South Dodge Island	25.76333	-80.17167	2001.95	BB	NBAY	0.95	12	2001	2001-12	0.0188	0.0171	0.0018	0.0019	0.0924	0.0207	0.0717	0.0042	0.0006	0.1105	0.8080	3.6030		30.60	32.00	25.10	25.00	5.90	6.60	0.88			22.04	36.13	4.94	83.65	94.32
130.0	14-Dec-01	1136	131	North Venetian Basin	25.80000	-80.16667	2001.95	BB	NBAY	0.95	12	2001	2001-12	0.0332	0.0305	0.0027	0.0088	0.1321	0.0420	0.0901	0.0045	0.0005	0.0719	0.9067	3.9513		29.60	29.70	25.00	25.00	5.50	5.90	0.85			29.19	91.81	9.28	77.40	83.08
130.0	14-Dec-01	1150	132	North I-195 Basin	25.81667	-80.16667	2001.95	BB	NBAY	0.95	12	2001	2001-12	0.0106	0.0090	0.0016	0.0050	0.0840	0.0156	0.0684	0.0045	0.0003	0.0691	0.5064	4.0738		29.90	29.90	25.10	25.10	6.30	6.80	0.40			18.68	47.29	3.46	88.92	95.98
130.0	14-Dec-01	1220	133	North Normandy Isle	25.86667	-80.15000	2001.95	BB	NBAY	0.95	12	2001	2001-12	0.0240	0.0212	0.0029	0.0150	0.1175	0.0391	0.0785	0.0072	0.0000	0.0684	1.0292	3.0660		32.20	32.90	25.40	25.30	6.00	6.10	1.09			16.31		5.42	86.23	87.96
130.0	14-Dec-01	1300	134	Oleta River Park	25.90500	-80.13333	2001.95	BB	NBAY	0.95	12	2001	2001-12	0.0352	0.0319	0.0033	0.0117	0.1007	0.0470	0.0538	0.0070	0.0004	0.0601	1.4277	2.8595		33.40	34.70	25.30	25.10	5.40	5.70	0.92			14.32	104.45	6.67	78.12	82.98
130.0	19-Dec-01	1302	135	South Card Sound	25.31667	-80.31667	2001.96	BB	SCARD	0.96	12	2001	2001-12	0.0071	0.0054	0.0017	0.0054	0.0963	0.0125	0.0838	0.0036	0.0004	0.0866	0.4716	3.6395		28.74	33.50	24.55	24.96	7.27	7.54	0.28			26.43	32.92	3.43	101.23	108.76
131.0	10-Jan-02	0925	101	Convoy Point	25.47833	-80.32083	2002.02	BB	AS	0.02	01	2002	2002-01	0.2583	0.2544	0.0040	0.0166	0.2769	0.2749	0.0020	0.0031	0.0028	0.1582	0.2631	3.1960	0.1402	25.40	25.50	14.11	14.12	9.64	9.19	0.42			197.78	215.81	196.39	111.73	106.61
131.0	10-Jan-02	1006	102	Black Point	25.54583	-80.29467	2002.02	BB	AS	0.02	01	2002	2002-01	0.0678	0.0652	0.0026	0.0096	0.1203	0.0775	0.0428	0.0037	0.0026	0.2347	0.1754	4.1080	0.3292	23.54	23.61	14.29	14.30	8.54	8.52	0.16			71.59	65.29	46.11	98.06	97.90
131.0	10-Jan-02	1021	103	Near Black Ledge	25.57333	-80.28667	2002.02	BB	IS	0.02	01	2002	2002-01	0.0011	0.0002	0.0009	0.0063	0.0835	0.0074	0.0761	0.0027	0.0020	0.2041	0.2193	3.6768	0.0139	29.01	29.03	14.18	14.20	8.43	8.37	0.23			68.14	8.12	6.03	100.32	99.66
131.0	10-Jan-02	1040	104	BNP Marker C	25.60167	-80.22083	2002.02	BB	MAIN	0.02	01	2002	2002-01	0.0009	0.0004	0.0006	0.0036	0.0511	0.0045	0.0466	0.0026	0.0013	0.0561	0.2217	2.4458	0.0000	33.69	33.74	15.38	15.35	7.84	7.80	0.48			42.93	7.63	3.79	98.58	98.05
131.0	10-Jan-02	1110	108	Marker G-1B	25.56917	-80.19250	2002.02	BB	MAIN	0.02	01	2002	2002-01	0.0008	0.0000	0.0008	0.0049	0.0561	0.0056	0.0505	0.0054	0.0005	0.0561	0.1900	2.4283	0.0000	35.04	35.05	13.59	13.57	8.11	8.13	0.38			22.89	25.52	2.30	99.48	99.70
131.0	10-Jan-02	1125	109	North Midbay	25.56417	-80.23500	2002.02	BB	MAIN	0.02	01	2002	2002-01	0.0038	0.0030	0.0008	0.0059	0.0554	0.0097	0.0457	0.0026	0.0006	0.0918	0.1949	2.4350	0.0000	34.36	34.45	14.10	14.40	8.41	8.23	0.56			47.93	33.36	8.39	103.71	102.14
131.0	10-Jan-02	0950	110	Fender Point	25.50500	-80.28750	2002.02	BB	IS	0.02	01	2002	2002-01	0.0413	0.0397	0.0016	0.0096	0.1084	0.0509	0.0575	0.0033	0.0003	0.1097	0.2120	2.7915	0.0190	30.80	30.90	14.67	14.69	8.20	8.16	0.11			73.77	338.16	34.62	99.74	99.36
131.0	10-Jan-02	1140	111	Featherbed Bank	25.51583	-80.24000	2002.02	BB	MAIN	0.02	01	2002	2002-01	0.0008	0.0000	0.0008	0.0068	0.0693	0.0075	0.0618	0.0033	0.0004	0.0689	0.1852	2.2948	0.0000	35.91	35.88	13.52	13.52	8.71	8.56	0.35			46.06	38.45	5.01	107.35	105.47
131.0	10-Jan-02	1156	112	Sands Cut	25.48833	-80.18833	2002.02	BB	MAIN	0.02	01	2002	2002-01	0.0005	0.0001	0.0004	0.0038	0.0426	0.0043	0.0383	0.0033	0.0003	0.0383	0.1413	2.3495	0.0000	35.93	35.94	13.72	13.73	8.31	8.18	0.05			28.96	33.30	2.93	102.83	101.25
131.0	10-Jan-02	1230	113	Elliott Key	25.44167	-80.22333	2002.02	BB	MAIN	0.02	01	2002	2002-01	0.0043	0.0036	0.0007	0.0080	0.0616	0.0124	0.0493	0.0039	0.0006	0.0612	0.1974	2.4165	0.0119	34.06	34.23	15.44	15.16	7.85	7.75	0.43			35.22	49.07	7.07	99.06	97.41
131.0	10-Jan-02	1245	116	Rubicon Keys	25.40000	-80.25500	2002.02	BB	MAIN	0.02	01	2002	2002-01	0.0044	0.0037	0.0008	0.0046	0.0795	0.0091	0.0704	0.0028	0.0004	0.0867	0.2485	2.8975	0.0000	32.02	32.81	15.51	15.00	7.97	8.04	0.36			63.09	48.06	7.21	99.30	99.78
131.0	10-Jan-02	1300	121	North Card Sound	25.35500	-80.29167	2002.02	BB	SCARD	0.02	01	2002	2002-01	0.0010	0.0002	0.0008	0.0049	0.0873	0.0059	0.0814	0.0039	0.0003	0.0816	0.1949	3.1310	0.0000	31.49	31.56	15.93	15.75	7.84	7.80	0.10			49.88	41.00	3.36	98.07	97.30
131.0	10-Jan-02	1340	122	West Arsenicker	25.42017	-80.31083	2002.02	BB	IS	0.02	01	2002	2002-01	0.0756	0.0718	0.0038	0.0112	0.1276	0.0868	0.0408	0.0036	0.0007	0.1352	0.1681	3.1803	0.0093	28.05	28.06	15.41	15.40	8.25	8.34	0.05			79.27	275.56	53.91	99.84	100.92
131.0	10-Jan-02	1352	123	Pelican Bank	25.44500	-80.28333	2002.02	BB	MAIN	0.02	01	2002	2002-01	0.1196	0.1167	0.0029	0.0075	0.1811	0.1271	0.0540	0.0043	0.0009	0.0995	0.2388	2.8723	0.0732	28.76	29.94	15.03	15.45	8.13	8.70	0.17			92.42	305.24	64.86	98.17	106.74
131.0	10-Jan-02	1215	124	South Midbay	25.47250	-80.23333	2002.02	BB	MAIN	0.02	01	2002	2002-01	0.0042	0.0030	0.0012	0.0073	0.0467	0.0115	0.0352	0.0049	0.0012	0.0663	0.1974	2.1575	0.0000	35.20	35.30	14.37	14.16	8.25	8.22	0.05			21.19	21.59	5.21	102.86	102.14
131.0	09-Jan-02	1045	126	BNP Marker B	25.67167	-80.20500	2002.02	BB	MAIN	0.02	01	2002	2002-01	0.0015	0.0006	0.0009	0.0084	0.0496	0.0099	0.0397	0.0021	0.0009	0.0795	0.5044	2.3530	0.0563	32.10	32.30	15.70	15.70	9.75	8.06	1.56			52.44	25.42	10.45	121.97	100.97
131.0	09-Jan-02	1106	127	Shoal Point	25.63000	-80.25000	2002.02	BB	IS	0.02	01	2002	2002-01	0.0012	0.0006	0.0007	0.0038	0.0481	0.0051	0.0430	0.0017	0.0006	0.0716	0.2412	2.3185	0.0000	32.00	32.00	15.50	15.50	8.91	8.53	0.54			62.47	19.07	6.60	110.98	106.25
131.0	09-Jan-02	1128	128	Matheson Beach	25.68833	-80.23333	2002.02	BB	IS	0.02	01	2002	2002-01	0.0026	0.0018	0.0008	0.0035	0.0701	0.0060	0.0641	0.0016	0.0007	0.0636	0.4434	2.6095	0.0159	31.00	31.00	15.60	15.70	8.45	8.32	0.64			95.43	18.36	8.22	104.72	103.30
131.0	09-Jan-02	1148	129	Marker G-71	25.73667	-80.18500	2002.02	BB	MAIN	0.02	01	2002	2002-01	0.0049	0.0039	0.0011	0.0066	0.0535	0.0115	0.0420	0.0023	0.0007	0.0848	1.4010	2.1713	0.0916	33.20	34.20	16.80	17.90	7.83	7.70	1.78			50.98	38.24	10.96	100.62	101.47
131.0	09-Jan-02	1203	130	South Dodge Island	25.76333	-80.17167	2002.02	BB	NBAY	0.02	01	2002	2002-01	0.0056	0.0043	0.0013	0.0055	0.0576	0.0111	0.0465	0.0026	0.0003	0.0212	1.1720	1.9895	0.0695	33.70	33.80	18.20	18.20	7.58	7.65	1.50			49.87	81.21	9.60	100.03	101.03
131.0	09-Jan-02	1238	131	North Venetian Basin	25.80000	-80.16667	2002.02	BB	NBAY	0.02	01	2002	2002-01	0.0091	0.0083	0.0008	0.0052	0.0466	0.0143	0.0323	0.0030	0.0008	0.0106	0.7797	2.5053	0.0621	33.00	33.00	15.90	16.00	8.42	8.40	0.81			34.15	39.27	10.47	106.37	106.30
131.0	09-Jan-02	1252	132	North I-195 Basin	25.81667	-80.16667	2002.02	BB	NBAY	0.02	01	2002	2002-01	0.0078	0.0073	0.0006	0.0038	0.0790	0.0116	0.0674	0.0034	0.0009	0.0663	0.4045	2.9815	0.0064	32.00	32.20	14.30	14.50	9.96	9.39	0.60			51.31	28.49	7.56	121.29	114.95
131.0	09-Jan-02	1320	133	North Normandy Isle	25.86667	-80.15000	2002.02	BB	NBAY	0.02	01	2002	2002-01	0.0155	0.0136	0.0019	0.0108	0.0639	0.0263	0.0376	0.0033	0.0011	0.0106	1.2573	2.0355	0.2840	34.60	34.80	16.20	16.50	7.99	7.88	1.75			43.46	52.17	17.89	102.59	101.85
131.0	09-Jan-02	1400	134	Oleta River Park	25.90500	-80.13333	2002.02	BB	NBAY	0.02	01	2002	2002-01	0.0169	0.0149	0.0020	0.0135	0.0773	0.0303	0.0470	0.0058	0.0017	0.0080	1.0477	2.3715	0.5035	34.50	36.60	18.40	18.80	7.58	7.54	1.27			29.46	40.13	11.56	100.90	102.43
131.0	10-Jan-02	1315	135	South Card Sound	25.31667	-80.31667	2002.02	BB	SCARD	0.02	01	2002	2002-01	0.0139	0.0130	0.0009	0.0103	0.0547	0.0242	0.0305	0.0033	0.0018	0.0867	0.1754	3.0245	0.0077	29.90	30.30	16.03	15.92	8.02	8.11	0.34			36.62	29.71	16.21	99.42	100.61
132.0	11-Feb-02	1315	101	Convoy Point	25.47833	-80.32083	2002.11	BB	AS	0.11	02	2002	2002-02	0.0141	0.0131	0.0010	0.0057	0.1009	0.0198	0.0811	0.0047	0.0018	0.2531	0.1900	3.7180		28.97	29.07	23.72	23.73	6.63	6.59	0.44			48.04	24.57	9.42	91.57	91.09
132.0	11-Feb-02	0950	102	Black Point	25.54583	-80.29467	2002.11	BB	AS	0.11	02	2002	2002-02	0.0082	0.0067	0.0015	0.0054	0.1301	0.0135	0.1166	0.0057	0.0019	0.2499	0.2047	3.8040		28.15	28.22	22.99	22.99	6.28	6.28	0.35			50.93	15.44	5.29	85.51	85.55
132.0	11-Feb-02	1004	103	Near Black Ledge	25.57333	-80.28667	2002.11	BB	IS	0.11	02	2002	2002-02	0.0019	0.0014	0.0005	0.0062	0.1286	0.0081	0.1205	0.0037	0.0016	0.2557	0.2339	3.0938		31.12	31.18	23.08	23.07	6.96	6.76	0.22			76.56	11.55	4.81	96.73	93.98
132.0	11-Feb-02	1031	104	BNP Marker C	25.60167	-80.22083	2002.11	BB	MAIN	0.11	02	2002	2002-02	0.0007	0.0004	0.0003	0.0021	0.1019	0.0028	0.0991	0.0043	0.0008	0.1015	0.2071	1.9965		36.77	36.80	22.78	22.78	6.67	6.67	0.22			52.95	8.00	1.45	95.84	95.85
132.0	11-Feb-02	1044	108	Marker G-1B	25.56917	-80.19250	2002.11	BB	MAIN	0.11	02	2002	2002-02	0.0007	0.0003	0.0005	0.0023	0.1014	0.0030	0.0984	0.0052	0.0009	0.0604	0.1754	1.7030		36.91	36.87	23.09	23.09	6.72	6.56	0.11			43.26	7.16	1.28	97.01	94.67
132.0	11-Feb-02	1019	109	North Midbay	25.56417	-80.23500	2002.11	BB	MAIN	0.11	02	2002	2002-02	0.0006	0.0004	0.0002	0.0072	0.1111	0.0078	0.1033	0.0053	0.0005	0.1379	0.1730	1.9225		37.47	37.47	22.85	22.85	6.64	6.67	0.22			46.00	31.64	3.21	95.92	96.36
132.0	11-Feb-02	1321	110	Fender Point	25.50500	-80.28750	2002.11	BB	IS	0.11	02	2002	2002-02	0.0098	0.0092	0.0006	0.0087	0.1352	0.0186	0.1166	0.0036	0.0002	0.1237	0.1876	2.5590		33.44	34.44	23.39	23.42	6.72	6.84	0.22			82.18	265.00	11.28	95.18	97.55
132.0	11-Feb-02	1100	111	Featherbed Bank	25.51583	-80.24000	2002.11	BB	MAIN	0.11	02	2002	2002-02	0.0007	0.0004	0.0003	0.0038	0.1156	0.0045	0.1111	0.0090	0.0004	0.0889	0.1316	1.7098		37.48	37.49	23.33	23.32	6.90	6.60	0.09			28.46	23.27	1.10	100.26	95.90
132.0	11-Feb-02	1114	112	Sands Cut	25.48833	-80.18833	2002.11	BB	MAIN	0.11	02	2002	2002-02	0.0005	0.0002	0.0003	0.0034	0.0900	0.0039	0.0861	0.0073	0.0010	0.0726	0.1730	1.5553		37.54	37.54	23.28	23.29	6.64	6.72	0.15			27.36	8.62	1.19	96.46	97.64
132.0	11-Feb-02	1152	113	Elliott Key	25.44167	-80.22333	2002.11	BB	MAIN	0.11	02	2002	2002-02	0.0060	0.0055	0.0005	0.0057	0.1249	0.0117	0.1132	0.0052	0.0010	0.0897	0.1852	1.9033		36.77	36.75	23.03	23.04	6.45	6.52	0.05			53.28	25.77	5.00	92.96	93.96
132.0	11-Feb-02	1204	116	Rubicon Keys	25.40000	-80.25500	2002.11	BB	MAIN	0.11	02	2002	2002-02	0.0042	0.0035	0.0007	0.0038	0.0976	0.0080	0.0896	0.0052	0.0003	0.0856	0.2485	2.0643		36.65	36.65	23.25	23.25	6.80	6.53	0.36			41.86	55.18	3.44	98.18	94.28
132.0	11-Feb-02	1216	121	North Card Sound	25.35500	-80.29167	2002.11	BB	SCARD	0.11	02	2002	2002-02	0.0021	0.0012	0.0009	0.0035	0.1005	0.0056	0.0948	0.0031	0.0002	0.1045	0.2412	2.2740		36.18	36.18	23.29	23.39	6.69	6.57	0.09			71.77	80.50	4.03	96.35	94.73
132.0	11-Feb-02	1251	122	West Arsenicker	25.42017	-80.31083	2002.11	BB	IS	0.11	02	2002	2002-02	0.0117	0.0108	0.0009	0.0062	0.1072	0.0179	0.0893	0.0046	0.0003	0.2403	0.2217	3.1913		33.39	33.50	23.71	23.71	6.70	6.80	0.07			51.89	127.75	8.66	95.22	96.71
132.0	11-Feb-02	1303	123	Pelican Bank	25.44500	-80.28333	2002.11	BB	MAIN	0.11	02	2002	2002-02	0.0062	0.0053	0.0009	0.0046	0.1021	0.0108	0.0913	0.0029	0.0001	0.1157	0.1827	2.9768		34.84	34.84	23.57	23.56	6.98	7.03	0.18			78.82	309.00	8.35	99.98	100.68
132.0	11-Feb-02	1140	124	South Midbay	25.47250	-80.23333	2002.11	BB	MAIN	0.11	02	2002	2002-02	0.0011	0.0006	0.0005	0.0029	0.0860	0.0040	0.0820	0.0050	0.0000	0.1339	0.1876	2.4965		37.16	37.16	23.03	23.64	6.40	6.44	0.23			37.78		1.75	92.47	93.72
132.0	11-Feb-02	1000	126	BNP Marker B	25.67167	-80.20500	2002.11	BB	MAIN	0.11	02	2002	2002-02	0.0053	0.0043	0.0009	0.0017	0.1321	0.0070	0.1251	0.0060	0.0005	0.0578	0.3436	2.8500		35.98	36.61	22.55	22.55	6.50	6.63	2.23			48.40	33.33	2.56	92.65	94.89
132.0	11-Feb-02	1050	127	Shoal Point	25.63000	-80.25000	2002.11	BB	IS	0.11	02	2002	2002-02	0.0033	0.0025	0.0008	0.0016	0.1179	0.0049	0.1130	0.0037	0.0004	0.0711	0.1754	2.8620		35.97	37.06	22.60	22.64	6.71	7.15	0.53			70.15	28.00	2.92	95.69	102.75
132.0	11-Feb-02	1012	128	Matheson Beach	25.68833	-80.23333	2002.11	BB	IS	0.11	02	2002	2002-02	0.0018	0.0010	0.0008	0.0012	0.1263	0.0029	0.1234	0.0034	0.0005	0.0686	0.3338	2.9290		34.47	34.49	22.67	22.69	6.67	6.73	0.73			82.01	14.00	1.91	94.28	95.16
132.0	11-Feb-02	1030	129	Marker G-71	25.73667	-80.18500	2002.11	BB	MAIN	0.11	02	2002	2002-02	0.0246	0.0222	0.0023	0.0080	0.1511	0.0326	0.1185	0.0054	0.0007	0.0744	0.8723	3.3043		33.57	35.67	23.02	22.74	6.38	6.50	1.94			61.66	103.39	13.29	90.04	92.68
132.0	11-Feb-02	1120	130	South Dodge Island	25.76333	-80.17167	2002.11	BB	NBAY	0.11	02	2002	2002-02	0.0106	0.0095	0.0012	0.0115	0.1099	0.0222	0.0878	0.0055	0.0013	0.0634	0.9454	2.6108		35.13	36.60	23.22	23.11	6.88	6.89	1.85			44.24	37.24	8.92	98.32	99.28
132.0	11-Feb-02	1158	131	North Venetian Basin	25.80000	-80.16667	2002.11	BB	NBAY	0.11	02	2002	2002-02	0.0107	0.0090	0.0016	0.0028	0.1207	0.0135	0.1072	0.0059	0.0003	0.1382	1.8323	2.9638		34.44	34.74	23.04	23.08	6.48	6.84	2.33			44.96	96.18	5.02	91.99	97.34
132.0	11-Feb-02	1210	132	North I-195 Basin	25.81667	-80.16667	2002.11	BB	NBAY	0.11	02	2002	2002-02	0.0029	0.0018	0.0011	0.0035	0.0937	0.0064	0.0873	0.0057	0.0011	0.0859	0.6774	3.0980		34.44	34.62	22.99	22.80	7.16	6.35	0.74			36.68	13.07	2.51	101.58	89.99
132.0	11-Feb-02	1236	133	North Normandy Isle	25.86667	-80.15000	2002.11	BB	NBAY	0.11	02	2002	2002-02	0.0171	0.0147	0.0025	0.0064	0.1222	0.0236	0.0987	0.0072	0.0009	0.2164	1.8371	3.4315		33.48	35.46	23.09	23.26	6.36	5.65	1.93			37.55	56.08	7.24	89.78	80.96
132.0	11-Feb-02	1255	134	Oleta River Park	25.90500	-80.13333	2002.11	BB	NBAY	0.11	02	2002	2002-02	0.0115	0.0099	0.0016	0.0108	0.1007	0.0223	0.0784	0.0065	0.0009	0.0444	1.0477	2.1000		37.21	37.92	23.37	23.29	6.24	6.12	1.48			34.25	53.19	7.60	90.56	89.14
132.0	11-Feb-02	1227	135	South Card Sound	25.31667	-80.31667	2002.11	BB	SCARD	0.11	02	2002	2002-02	0.0009	0.0002	0.0007	0.0055	0.1086	0.0063	0.1023	0.0033	0.0009	0.1169	0.1730	2.9748		34.41	34.41	23.43	23.44	6.97	6.94	0.43			73.87	16.45	4.31	99.39	98.98

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
133.0	07-Mar-02	1140	101	Convoy Point	25.47833	-80.32083	2002.18	BB	AS	0.18	03	2002	2002-03	0.0612	0.0575	0.0037	0.0197	0.4980	0.0810	0.4171	0.0010	0.0001	0.4507	0.2095	5.0723		24.49	30.18	18.99	19.49	6.62	7.48	0.78			1092.72	2317.65	177.62	83.16	98.36
133.0	06-Mar-02	0944	102	Black Point	25.54583	-80.29467	2002.17	BB	AS	0.17	03	2002	2002-03	0.0028	0.0022	0.0006	0.0054	0.4917	0.0082	0.4835	0.0011	0.0007	0.3532	0.2607	3.8375		30.15	30.11	18.60	18.82	6.67	6.87	0.43			991.86	27.82	16.62	86.49	89.37
133.0	06-Mar-02	1002	103	Near Black Ledge	25.57333	-80.28667	2002.17	BB	IS	0.17	03	2002	2002-03	0.0027	0.0021	0.0005	0.0047	0.4728	0.0074	0.4654	0.0021	0.0009	0.2668	0.3192	3.3373		32.25	32.23	19.11	19.11	6.33	6.47	0.56			508.66	17.35	7.92	83.91	85.76
133.0	07-Mar-02	0910	104	BNP Marker C	25.60167	-80.22083	2002.18	BB	MAIN	0.18	03	2002	2002-03	0.0015	0.0010	0.0005	0.0019	0.3777	0.0033	0.3744	0.0017	0.0010	0.0712	0.2973	2.8610		36.32	36.61	18.81	19.02	7.01	6.83	1.50			480.77	7.07	4.22	95.06	93.10
133.0	07-Mar-02	0920	108	Marker G-1B	25.56917	-80.19250	2002.18	BB	MAIN	0.18	03	2002	2002-03	0.0016	0.0012	0.0004	0.0061	0.3527	0.0077	0.3450	0.0019	0.0015	0.0751	0.2217	2.8388		36.29	36.30	19.10	19.10	6.93	6.60	0.77			421.66	11.04	9.22	94.38	89.89
133.0	07-Mar-02	0901	109	North Midbay	25.56417	-80.23500	2002.18	BB	MAIN	0.18	03	2002	2002-03	0.0013	0.0008	0.0005	0.0039	0.4527	0.0053	0.4474	0.0015	0.0000	0.0836	0.2607	2.7438		37.82	37.98	17.39	18.44	7.86	7.30	1.42			652.06		7.57	105.27	99.53
133.0	07-Mar-02	1150	110	Fender Point	25.50500	-80.28750	2002.18	BB	IS	0.18	03	2002	2002-03	0.0044	0.0035	0.0009	0.0092	0.3780	0.0136	0.3644	0.0023	0.0008	0.1253	0.2607	3.0260		33.92	33.92	19.36	19.37	6.86	6.67	0.77			365.77	36.43	13.15	92.31	89.77
133.0	07-Mar-02	0934	111	Featherbed Bank	25.51583	-80.24000	2002.18	BB	MAIN	0.18	03	2002	2002-03	0.0024	0.0018	0.0006	0.0053	0.3412	0.0077	0.3335	0.0024	0.0002	0.0890	0.1998	2.6430		37.00	37.04	19.45	19.44	6.92	6.60	0.69			321.03	113.23	7.27	95.19	90.80
133.0	07-Mar-02	0958	112	Sands Cut	25.48833	-80.18833	2002.18	BB	MAIN	0.18	03	2002	2002-03	0.0011	0.0006	0.0005	0.0054	0.3013	0.0065	0.2949	0.0027	0.0010	0.0718	0.1949	2.5860		37.06	37.08	19.26	19.25	7.50	6.95	0.70			244.40	13.98	5.25	102.91	95.37
133.0	07-Mar-02	1010	113	Elliott Key	25.44167	-80.22333	2002.18	BB	MAIN	0.18	03	2002	2002-03	0.0015	0.0012	0.0004	0.0059	0.3164	0.0074	0.3090	0.0020	0.0002	0.1002	0.2022	2.7738		37.83	37.85	19.55	19.55	6.99	6.72	1.06			356.26	96.39	8.33	96.83	93.10
133.0	07-Mar-02	1028	116	Rubicon Keys	25.40000	-80.25500	2002.18	BB	MAIN	0.18	03	2002	2002-03	0.0020	0.0015	0.0005	0.0017	0.3455	0.0037	0.3417	0.0027	0.0010	0.1047	0.3484	3.0143		36.38	36.94	19.44	19.47	6.93	6.82	0.99			288.38	8.20	3.13	94.92	93.80
133.0	07-Mar-02	1045	121	North Card Sound	25.35500	-80.29167	2002.18	BB	SCARD	0.18	03	2002	2002-03	0.0015	0.0006	0.0008	0.0041	0.3607	0.0056	0.3551	0.0027	0.0006	0.1055	0.2485	2.9788		36.35	36.35	19.22	19.21	6.75	6.63	0.68			292.52	20.73	4.53	92.13	90.48
133.0	07-Mar-02	1115	122	West Arsenicker	25.42017	-80.31083	2002.18	BB	IS	0.18	03	2002	2002-03	0.0029	0.0022	0.0007	0.0068	0.2886	0.0096	0.2790	0.0030	0.0000	0.3463	0.3436	4.2938		33.55	33.55	19.14	19.14	7.03	6.76	0.68			212.48		7.10	94.05	90.44
133.0	07-Mar-02	1127	123	Pelican Bank	25.44500	-80.28333	2002.18	BB	MAIN	0.18	03	2002	2002-03	0.0052	0.0043	0.0009	0.0089	0.3614	0.0141	0.3473	0.0020	0.0001	0.1490	0.2631	3.2918		33.01	35.21	19.32	19.44	6.86	6.49	1.38			403.69	237.72	15.73	91.70	88.20
133.0	07-Mar-02	0946	124	South Midbay	25.47250	-80.23333	2002.18	BB	MAIN	0.18	03	2002	2002-03	0.0013	0.0013	0.0000	0.0042	0.2745	0.0054	0.2691	0.0018	0.0008	0.0875	0.1925	2.6215		37.86	37.77	19.08	19.19	7.51	6.85	0.72			339.02	15.49	6.68	103.33	94.34
133.0	06-Mar-02	1416	126	BNP Marker B	25.67167	-80.20500	2002.17	BB	MAIN	0.17	03	2002	2002-03	0.0035	0.0031	0.0004	0.0091	0.3409	0.0126	0.3283	0.0021	0.0011	0.0702	0.5092	2.9998		34.46	34.48	19.74	19.77	5.93	6.16	2.50			364.68	24.64	13.44	80.54	83.71
133.0	06-Mar-02	1023	127	Shoal Point	25.63000	-80.25000	2002.17	BB	IS	0.17	03	2002	2002-03	0.0020	0.0015	0.0005	0.0035	0.3168	0.0054	0.3113	0.0018	0.0008	0.1145	0.2583	2.8890		34.84	34.83	19.78	19.78	6.18	6.43	0.81			381.45	15.20	6.56	84.20	87.60
133.0	06-Mar-02	1045	128	Matheson Beach	25.68833	-80.23333	2002.17	BB	IS	0.17	03	2002	2002-03	0.0034	0.0028	0.0006	0.0055	0.2580	0.0090	0.2490	0.0023	0.0010	0.1218	0.8211	3.4128		32.72	32.75	19.66	19.66	6.50	6.74	1.74			252.14	19.17	8.76	87.16	90.40
133.0	06-Mar-02	1110	129	Marker G-71	25.73667	-80.18500	2002.17	BB	MAIN	0.17	03	2002	2002-03	0.0040	0.0029	0.0011	0.0072	0.2415	0.0112	0.2303	0.0023	0.0013	0.0826	1.2329	2.7798		34.31	34.48	20.22	20.30	5.82	5.81	1.56			232.57	19.31	10.78	79.52	79.57
133.0	06-Mar-02	1125	130	South Dodge Island	25.76333	-80.17167	2002.17	BB	NBAY	0.17	03	2002	2002-03	0.0079	0.0064	0.0015	0.0143	0.2381	0.0222	0.2159	0.0023	0.0002	0.0497	1.3206	2.6745		33.60	34.51	20.55	20.60	6.57	6.79	1.44			227.28	209.38	21.22	89.77	93.40
133.0	06-Mar-02	1145	131	North Venetian Basin	25.80000	-80.16667	2002.17	BB	NBAY	0.17	03	2002	2002-03	0.0052	0.0046	0.0006	0.0084	0.1862	0.0136	0.1725	0.0030	0.0007	0.0516	0.9283	3.3185		31.96	32.04	20.06	20.05	6.36	6.62	1.73			137.24	41.17	10.06	85.35	88.88
133.0	06-Mar-02	1210	132	North I-195 Basin	25.81667	-80.16667	2002.17	BB	NBAY	0.17	03	2002	2002-03	0.0030	0.0026	0.0004	0.0069	0.2247	0.0099	0.2148	0.0023	0.0007	0.0691	0.5482	3.6710		30.94	30.99	19.19	19.18	6.31	6.20	1.20			220.12	30.29	9.71	83.02	81.59
133.0	06-Mar-02	1237	133	North Normandy Isle	25.86667	-80.15000	2002.17	BB	NBAY	0.17	03	2002	2002-03	0.0093	0.0072	0.0021	0.0138	0.1814	0.0232	0.1583	0.0021	0.0006	0.0410	1.3620	2.5248		34.04	34.07	19.90	19.91	7.68	7.82	1.87			194.66	90.56	24.85	104.26	106.20
133.0	06-Mar-02	1255	134	Oleta River Park	25.90500	-80.13333	2002.17	BB	NBAY	0.17	03	2002	2002-03	0.0023	0.0015	0.0008	0.0076	0.2083	0.0099	0.1984	0.0024	0.0012	0.0275	1.2499	1.9088		34.00	35.34	20.54	20.62	6.22	6.26	1.47			193.81	17.57	9.21	85.20	86.61
133.0	07-Mar-02	1057	135	South Card Sound	25.31667	-80.31667	2002.18	BB	SCARD	0.18	03	2002	2002-03	0.0018	0.0015	0.0003	0.0058	0.1855	0.0076	0.1779	0.0018	0.0011	0.1176	0.3241	2.9873		35.23	35.36	19.89	19.84	6.75	6.55	0.72			224.92	14.80	9.21	92.35	89.63
134.0	04-Apr-02	1515	101	Convoy Point	25.47833	-80.32083	2002.25	BB	AS	0.25	04	2002	2002-04	0.0513	0.0493	0.0019	0.0499	0.2544	0.1012	0.1532	0.0037	0.0018	0.3101	0.2071	3.2233	0.0105	31.24	31.26	28.32	28.33	7.97	8.12	0.52			153.94	126.22	61.23	117.02	119.25
134.0	04-Apr-02	1025	102	Black Point	25.54583	-80.29467	2002.25	BB	AS	0.25	04	2002	2002-04	0.0291	0.0253	0.0038	0.0755	0.2956	0.1046	0.1910	0.0061	0.0014	0.4308	0.0292	5.2638	0.0543	29.63	29.85	27.26	27.26	6.67	6.63	0.44			108.10	170.77	38.25	96.04	95.60
134.0	04-Apr-02	1045	103	Near Black Ledge	25.57333	-80.28667	2002.25	BB	IS	0.25	04	2002	2002-04	0.0196	0.0147	0.0049	0.0510	0.2590	0.0706	0.1885	0.0046	0.0012	0.4784	0.0439	4.5240	0.0245	26.05	26.02	27.06	27.07	7.16	8.18	0.53			124.43	126.79	33.89	100.59	114.91
134.0	04-Apr-02	1125	104	BNP Marker C	25.60167	-80.22083	2002.25	BB	MAIN	0.25	04	2002	2002-04	0.0006	0.0000	0.0006	0.0028	0.1632	0.0034	0.1597	0.0009	0.0006	0.1125	0.1218	1.6125	0.0000	37.76	37.43	26.92	26.90	6.36	6.54	0.58			424.94	11.93	8.91	96.13	98.63
134.0	04-Apr-02	1145	108	Marker G-1B	25.56917	-80.19250	2002.25	BB	MAIN	0.25	04	2002	2002-04	0.0007	0.0002	0.0004	0.0034	0.1536	0.0040	0.1495	0.0005	0.0005	0.0850	0.1023	1.4270	0.0026	37.91	37.97	27.37	27.37	8.04	7.57	0.57			730.64	19.28	19.23	122.13	115.04
134.0	04-Apr-02	1110	109	North Midbay	25.56417	-80.23500	2002.25	BB	MAIN	0.25	04	2002	2002-04	0.0007	0.0003	0.0003	0.0032	0.1565	0.0039	0.1526	0.0011	0.0012	0.1250	0.1364	1.5488	0.0043	37.97	38.07	27.27	26.97	8.18	6.36	0.32			328.05	7.34	8.17	124.20	96.37
134.0	04-Apr-02	1530	110	Fender Point	25.50500	-80.28750	2002.25	BB	IS	0.25	04	2002	2002-04	0.0085	0.0076	0.0009	0.0087	0.1979	0.0171	0.1808	0.0034	0.0010	0.1161	0.0999	2.0880	0.0060	36.18	36.26	27.98	28.00	7.26	6.65	0.40			129.60	36.56	11.23	109.66	100.51
134.0	04-Apr-02	1205	111	Featherbed Bank	25.51583	-80.24000	2002.25	BB	MAIN	0.25	04	2002	2002-04	0.0006	0.0000	0.0006	0.0041	0.1553	0.0047	0.1506	0.0036	0.0010	0.1116	0.1194	1.5790	0.0035	38.23	38.28	27.32	27.32	6.57	7.36	0.36			94.57	10.38	2.85	99.96	112.02
134.0	04-Apr-02	1225	112	Sands Cut	25.48833	-80.18833	2002.25	BB	MAIN	0.25	04	2002	2002-04	0.0014	0.0010	0.0004	0.0049	0.1443	0.0063	0.1380	0.0039	0.0014	0.0640	0.1559	1.4710	0.0023	38.18	38.25	27.86	27.88	7.36	7.48	0.36			82.27	10.21	3.61	112.47	114.37
134.0	04-Apr-02	1310	113	Elliott Key	25.44167	-80.22333	2002.25	BB	MAIN	0.25	04	2002	2002-04	0.0048	0.0043	0.0005	0.0108	0.1851	0.0156	0.1695	0.0028	0.0011	0.0939	0.1657	1.8128	0.0000	38.89	39.06	27.77	27.76	6.70	6.39	0.47			148.67	32.52	12.52	102.77	98.11
134.0	04-Apr-02	1346	116	Rubicon Keys	25.40000	-80.25500	2002.25	BB	MAIN	0.25	04	2002	2002-04	0.0024	0.0020	0.0004	0.0022	0.1451	0.0046	0.1404	0.0028	0.0002	0.0748	0.1754	1.5335	0.0062	38.37	38.46	28.00	28.00	6.35	6.47	0.50			113.98	65.85	3.62	97.27	99.16
134.0	04-Apr-02	1400	121	North Card Sound	25.35500	-80.29167	2002.25	BB	SCARD	0.25	04	2002	2002-04	0.0023	0.0018	0.0005	0.0024	0.1556	0.0047	0.1509	0.0028	0.0006	0.0993	0.2461	2.4200	0.0074	37.41	37.59	28.42	27.92	6.08	7.14	0.23			121.65	16.10	3.67	92.89	108.76
134.0	04-Apr-02	1445	122	West Arsenicker	25.42017	-80.31083	2002.25	BB	IS	0.25	04	2002	2002-04	0.0048	0.0040	0.0008	0.0113	0.2011	0.0161	0.1851	0.0030	0.0000	0.2407	0.1706	3.1525	0.0088	36.81	36.91	28.35	28.38	7.63	7.13	0.53			150.50		12.02	116.06	108.55
134.0	04-Apr-02	1505	123	Pelican Bank	25.44500	-80.28333	2002.25	BB	MAIN	0.25	04	2002	2002-04	0.0109	0.0101	0.0008	0.0053	0.1822	0.0162	0.1660	0.0037	0.0002	0.1328	0.1340	2.5025	0.0083	37.68	37.76	28.10	28.11	6.35	7.97	0.41			109.40	201.04	9.72	96.93	121.72
134.0	04-Apr-02	1255	124	South Midbay	25.47250	-80.23333	2002.25	BB	MAIN	0.25	04	2002	2002-04	0.0008	0.0005	0.0004	0.0055	0.1700	0.0063	0.1637	0.0044	0.0000	0.1202	0.2534	2.4225	0.0061	38.10	38.32	27.44	27.31	7.08	6.93	0.43			85.00		3.15	107.75	105.49
134.0	05-Apr-02	1330	126	BNP Marker B	25.67167	-80.20500	2002.26	BB	MAIN	0.26	04	2002	2002-04	0.0013	0.0008	0.0004	0.0034	0.1745	0.0047	0.1698	0.0050	0.0001	0.0938	0.2047	2.4300	0.0120	36.74	36.88	27.26	27.25	7.12	6.95	0.53			76.78	168.13	2.07	107.25	104.78
134.0	05-Apr-02	1007	127	Shoal Point	25.63000	-80.25000	2002.26	BB	IS	0.26	04	2002	2002-04	0.0019	0.0011	0.0008	0.0022	0.1733	0.0041	0.1692	0.0048	0.0000	0.1245	0.4678	2.7600	0.0089	34.99	35.17	27.06	27.06	6.67	6.53	0.30			79.86		1.89	99.18	97.21
134.0	05-Apr-02	1030	128	Matheson Beach	25.68833	-80.23333	2002.26	BB	IS	0.26	04	2002	2002-04	0.0083	0.0072	0.0011	0.0009	0.2051	0.0092	0.1959	0.0057	0.0000	0.0785	0.3947	2.9525	0.0072	33.72	34.51	26.96	27.60	6.86	7.21	0.40			79.52		3.57	101.09	107.41
134.0	05-Apr-02	1110	129	Marker G-71	25.73667	-80.18500	2002.26	BB	MAIN	0.26	04	2002	2002-04	0.0025	0.0017	0.0009	0.0013	0.1873	0.0038	0.1835	0.0060	0.0001	0.0711	0.7578	2.9000	0.0069	34.50	36.34	27.28	26.75	6.43	6.53	0.15			69.05	57.32	1.41	95.51	97.66
134.0	05-Apr-02	1118	130	South Dodge Island	25.76333	-80.17167	2002.26	BB	NBAY	0.26	04	2002	2002-04	0.0383	0.0356	0.0027	0.0230	0.2505	0.0613	0.1892	0.0092	0.0003	0.0659	0.9892	4.1650	0.0467	30.53	34.79	26.95	26.58	5.98	6.22	0.18			60.41	398.02	14.78	86.35	91.96
134.0	05-Apr-02	1137	131	North Venetian Basin	25.80000	-80.16667	2002.26	BB	NBAY	0.26	04	2002	2002-04	0.0062	0.0053	0.0009	0.0027	0.2054	0.0089	0.1964	0.0105	0.0015	0.1750	0.6822	3.2475	0.0169	33.22	33.40	27.21	27.15	7.10	6.53	0.45			43.51	13.06	1.89	104.54	96.20
134.0	05-Apr-02	1206	132	North I-195 Basin	25.81667	-80.16667	2002.26	BB	NBAY	0.26	04	2002	2002-04	0.0028	0.0019	0.0009	0.0046	0.1961	0.0074	0.1887	0.0101	0.0016	0.1236	1.1525	3.7475	0.0186	32.03	32.61	27.44	27.27	6.47	6.70	0.13			42.90	10.34	1.62	94.74	98.32
134.0	05-Apr-02	1225	133	North Normandy Isle	25.86667	-80.15000	2002.26	BB	NBAY	0.26	04	2002	2002-04	0.0060	0.0044	0.0017	0.0070	0.2072	0.0130	0.1942	0.0126	0.0003	0.2148	1.5423	3.1250	0.0192	33.58	33.85	27.31	27.22	7.21	6.47	0.29			36.47	88.69	2.29	106.50	95.65
134.0	05-Apr-02	1246	134	Oleta River Park	25.90500	-80.13333	2002.26	BB	NBAY	0.26	04	2002	2002-04	0.0005	0.0000	0.0005	0.0011	0.0997	0.0017	0.0980	0.0093	0.0001	0.1093	1.5691	2.0550	0.0038	36.35	37.09	26.80	26.46	6.94	6.36	0.05			23.62	24.95	0.39	103.85	95.31
134.0	04-Apr-02	1417	135	South Card Sound	25.31667	-80.31667	2002.25	BB	SCARD	0.25	04	2002	2002-04	0.0025	0.0020	0.0004	0.0061	0.1394	0.0085	0.1308	0.0089	0.0001	0.0823	0.3094	3.1700	0.0091	35.71	35.81	27.90	28.35	7.72	7.63	0.18			34.61	152.56	2.12	116.18	115.33
135.0	21-May-02	1254	101	Convoy Point	25.47833	-80.32083	2002.38	BB	AS	0.38	05	2002	2002-05	0.0043	0.0033	0.0010	0.0082	0.2499	0.0124	0.2374	0.0058	0.0000	0.5884	0.2145	3.0600		38.95	38.95	27.40	27.41	6.53	6.66	0.34		###	95.71		4.77	99.88	101.88
135.0	21-May-02	0900	102	Black Point	25.54583	-80.29467	2002.38	BB	AS	0.38	05	2002	2002-05	0.0070	0.0055	0.0015	0.0124	0.2984	0.0194	0.2790	0.0101	0.0006	0.4977	0.1969	3.7800		40.97	41.02	26.54	26.55	4.78	4.66	0.53		###	65.57	67.49	4.26	73.48	71.67
135.0	21-May-02	0953	103	Near Black Ledge	25.57333	-80.28667	2002.38	BB	IS	0.38	05	2002	2002-05	0.0043	0.0032	0.0011	0.0091	0.2560	0.0134	0.2426	0.0126	0.0008	0.2778	0.1499	2.8150		40.50	40.53	25.90	25.91	5.31	5.33	0.28		###	44.90	37.41	2.34	80.89	81.22
135.0	21-May-02	0917	104	BNP Marker C	25.60167	-80.22083	2002.38	BB	MAIN	0.38	05	2002	2002-05	0.0031	0.0020	0.0011	0.0083	0.2181	0.0114	0.2067	0.0096	0.0010	0.1706	0.0970	1.9700		37.07	37.08	27.17	27.17	5.14	5.16	0.56		###	50.37	24.61	2.63	77.53	77.83
135.0	21-May-02	0933	108	Marker G-1B	25.56917	-80.19250	2002.38	BB	MAIN	0.38	05	2002	2002-05	0.0023	0.0014	0.0008	0.0057	0.2141	0.0080	0.2061	0.0103	0.0018	0.1361	0.0911	1.6450		36.79	36.80	26.85	26.87	5.17	5.23	0.49		###	46.03	9.81	1.71	77.61	78.53
135.0	21-May-02	0948	109	North Midbay	25.56417	-80.23500	2002.38	BB	MAIN	0.38	05	2002	2002-05	0.0027	0.0019	0.0007	0.0032	0.2011	0.0059	0.1953	0.0051	0.0002	0.1811	0.1175	1.8225		37.52	37.51	27.22	27.22	5.23	5.20	0.48		###	88.14	57.79	2.57	79.15	78.69
135.0	21-May-02	1308	110	Fender Point	25.50500	-80.28750	2002.38	BB	IS	0.38	05	2002	2002-05	0.0063	0.0056	0.0008	0.0069	0.2070	0.0133	0.1937	0.0032	0.0006	0.1677	0.1028	2.0500		39.43	39.44	27.24	27.24	5.63	5.69	0.41		###	142.84	52.72	9.17	86.25	87.18
135.0	21-May-02	1001	111	Featherbed Bank	25.51583	-80.24000	2002.38	BB	MAIN	0.38	05	2002	2002-05	0.0036	0.0027	0.0008	0.0038	0.2223	0.0074	0.2149	0.0041	0.0010	0.1877	0.1528	2.2650		38.77	38.79	27.11	27.09	5.19	5.01	0.71		###	120.77	16.15	4.02	79.09	76.34
135.0	21-May-02	1028	112	Sands Cut	25.48833	-80.18833	2002.38	BB	MAIN	0.38	05	2002	2002-05	0.0045	0.0036	0.0009	0.0075	0.2080	0.0120	0.1960	0.0063	0.0006	0.1159	0.1058	1.8950		37.13	37.25	26.99	27.01	5.22	5.18	0.43		###	73.46	41.66	4.22	78.63	78.11
135.0	21-May-02	1045	113	Elliott Key	25.44167	-80.22333	2002.38	BB	MAIN	0.38	05	2002	2002-05	0.0053	0.0048	0.0006	0.0088	0.2599	0.0141	0.2458	0.0068	0.0010	0.2438	0.1205	2.3425		38.84	38.84	26.95	26.95	5.70	5.75	0.57		###	84.58	32.21	4.59	86.77	87.53
135.0	21-May-02	1058	116	Rubicon Keys	25.40000	-80.25500	2002.38	BB	MAIN	0.38	05	2002	2002-05	0.0082	0.0073	0.0009	0.0043	0.2413	0.0124	0.2289	0.0106	0.0014	0.1676	0.1440	2.3775		37.58	37.58	27.20	27.20	5.33	5.35	0.59		###	50.33	19.54	2.60	80.68	80.98
135.0	21-May-02	1112	121	North Card Sound	25.35500	-80.29167	2002.38	BB	SCARD	0.38	05	2002	2002-05	0.0047	0.0039	0.0008	0.0064	0.2226	0.0111	0.2115	0.0181	0.0007	0.1717	0.0999	1.8750		37.81	37.83	27.10	27.10	5.60	5.63	0.65		###	27.30	34.52	1.36	84.81	85.27
135.0	21-May-02	1223	122	West Arsenicker	25.42017	-80.31083	2002.38	BB	IS	0.38	05	2002	2002-05	0.0042	0.0031	0.0011	0.0135	0.2170	0.0178	0.1992	0.0143	0.0006	0.4202	0.1440	3.9800		38.62	38.65	27.36	27.35	5.87	6.08	0.62		###	33.69	61.90	2.76	89.56	92.78
135.0	21-May-02	1238	123	Pelican Bank	25.44500	-80.28333	2002.38	BB	MAIN	0.38	05	2002	2002-05	0.0103	0.0092	0.0011	0.0069	0.2090	0.0172	0.1918	0.0071	0.0007	0.2081	0.0999	3.3800		38.96	38.97	27.30	27.31	5.57	5.56	0.70		###	65.61	54.02	5.40	85.13	84.99
135.0	21-May-02	1014	124	South Midbay	25.47250	-80.23333	2002.38	BB	MAIN	0.38	05	2002	2002-05	0.0031	0.0025	0.0006	0.0074	0.2036	0.0105	0.1931	0.0098	0.0007	0.2348	0.1587	3.9000		39.11	39.10	27.26	27.26	5.43	5.42	0.69		###	45.80	32.57	2.36	83.04	82.88
135.0	22-May-02	1352	126	BNP Marker B	25.67167	-80.20500	2002.39	BB	MAIN	0.39	05	2002	2002-05	0.0015	0.0008	0.0007	0.0067	0.1878	0.0082	0.1796	0.0102	0.0000	0.0889	0.1528	3.4500		37.84	37.88	27.08	27.08	5.72	5.73	0.40		###	40.97		1.78	86.63	86.80
135.0	22-May-02	1013	127	Shoal Point	25.63000	-80.25000	2002.39	BB	IS	0.39	05	2002	2002-05	0.0007	0.0000	0.0007	0.0065	0.1932	0.0072	0.1860	0.0090	0.0000	0.1178	0.1264	3.5350		38.37	38.36	26.81	26.82	5.14	5.21	0.23		###	47.58		1.78	77.91	78.98
135.0	22-May-02	1029	128	Matheson Beach	25.68833	-80.23333	2002.39	BB	IS	0.39	05	2002	2002-05	0.0009	0.0000	0.0009	0.0062	0.2651	0.0071	0.2580	0.0103	0.0000	0.1045	0.2557	4.4525		38.00	38.02	26.67	26.67	5.02	5.03	0.10		###	56.95		1.53	75.82	75.98
135.0	22-May-02	1047	129	Marker G-71	25.73667	-80.18500	2002.39	BB	MAIN	0.39	05	2002	2002-05	0.0102	0.0085	0.0017	0.0209	0.2469	0.0311	0.2157	0.0133	0.0000	0.0889	0.2792	4.3100		35.21	36.57	26.28	26.83	5.45	5.36	0.27		###	41.01		5.17	80.56	80.34
135.0	22-May-02	1102	130	South Dodge Island	25.76333	-80.17167	2002.39	BB	NBAY	0.39	05	2002	2002-05	0.0222	0.0204	0.0018	0.0215	0.2607	0.0437	0.2170	0.0135	0.0000	0.1111	0.5289	4.2950		34.97	34.68	26.95	26.99	5.18	5.31	0.98		###	42.81		7.18	76.94	78.75
135.0	22-May-02	1117	131	North Venetian Basin	25.80000	-80.16667	2002.39	BB	NBAY	0.39	05	2002	2002-05	0.0203	0.0186	0.0018	0.0126	0.2298	0.0329	0.1969	0.0251	0.0041	0.2512	1.0726	4.4250		34.15	34.18	26.97	26.99	4.90	4.98	1.18		###	20.27	17.70	2.91	72.42	73.63
135.0	22-May-02	1132	132	North I-195 Basin	25.81667	-80.16667	2002.39	BB	NBAY	0.39	05	2002	2002-05	0.0158	0.0129	0.0029	0.0108	0.2659	0.0266	0.2393	0.0194	0.0034	0.2245	1.1313	5.5463		31.22	31.70	26.22	26.26	5.47	5.35	0.29		###	30.39	17.19	3.04	78.77	77.31
135.0	22-May-02	1157	133	North Normandy Isle	25.86667	-80.15000	2002.39	BB	NBAY	0.39	05	2002	2002-05	0.0148	0.0118	0.0030	0.0112	0.2893	0.0259	0.2633	0.0138	0.0028	0.5179	1.8748	5.6715		30.48	33.51	27.16	27.48	5.33	4.67	1.30		###	46.43	20.47	4.16	77.09	69.06
135.0	22-May-02	1227	134	Oleta River Park	25.90500	-80.13333	2002.39	BB	NBAY	0.39	05	2002	2002-05	0.0167	0.0139	0.0028	0.0137	0.2374	0.0305	0.2069	0.0119	0.0020	0.1378	1.4575	4.3275		33.70	36.10	27.67	27.48	5.21	5.24	1.20		###	44.05	33.23	5.65	77.26	78.77
135.0	21-May-02	1128	135	South Card Sound	25.31667	-80.31667	2002.38	BB	SCARD	0.38	05	2002	2002-05	0.0029	0.0020	0.0009	0.0058	0.2039	0.0087	0.1952	0.0089	0.0009	0.1516	0.2145	4.2345		38.35	38.35	27.49	27.49	5.41	5.40	0.24		###	50.65	22.11	2.15	82.50	82.35
136.0	19-Jun-02	1136	101	Convoy Point	25.47833	-80.32083	2002.46	BB	AS	0.46	06	2002	2002-06	0.0174	0.0153	0.0020	0.0139	0.2699	0.0313	0.2386	0.0064	0.0002	0.7332	0.5113	3.6773		33.80	33.80	28.73	28.76	5.97	6.32	0.67		###	92.85	339.85	10.76	89.38	94.64
136.0	18-Jun-02	1310	102	Black Point	25.54583	-80.29467	2002.46	BB	AS	0.46	06	2002	2002-06	0.2276	0.2159	0.0116	0.0273	0.6137	0.2549	0.3589	0.0105	0.0000	0.5751	0.2909	4.3220		27.74	27.42	28.99	28.98	7.66	7.75	0.50		###	129.99	78300.54	53.98	110.63	111.70
136.0	18-Jun-02	0843	103	Near Black Ledge	25.57333	-80.28667	2002.46	BB	IS	0.46	06	2002	2002-06	0.0094	0.0000	0.0094	0.0303	0.5595	0.0396	0.5198	0.0139	0.0000	0.3999	0.2733	4.4095		27.90	27.95	27.91	27.92	5.91	5.93	0.51		###	89.22	4194.56	6.32	84.67	84.99
136.0	18-Jun-02	1222	104	BNP Marker C	25.60167	-80.22083	2002.46	BB	MAIN	0.46	06	2002	2002-06	0.0010	0.0000	0.0010	0.0041	0.1772	0.0051	0.1721	0.0097	0.0001	0.1176	0.1410	2.5753		35.76	35.57	28.13	28.13	6.30	6.30	0.60		###	40.45	133.29	1.16	95.03	94.91
136.0	18-Jun-02	1238	108	Marker G-1B	25.56917	-80.19250	2002.46	BB	MAIN	0.46	06	2002	2002-06	0.0005	0.0000	0.0005	0.0019	0.1764	0.0024	0.1740	0.0128	0.0001	0.0961	0.1998	2.4363		34.99	34.66	28.82	28.75	7.28	7.02	0.61		###	30.51	56.77	0.41	109.89	105.69
136.0	18-Jun-02	1251	109	North Midbay	25.56417	-80.23500	2002.46	BB	MAIN	0.46	06	2002	2002-06	0.0030	0.0017	0.0012	0.0043	0.1769	0.0072	0.1697	0.0085	0.0000	0.1611	0.2498	2.8303		36.43	36.33	28.17	28.15	6.43	6.40	0.56		###	46.07		1.88	97.43	96.90
136.0	19-Jun-02	1216	110	Fender Point	25.50500	-80.28750	2002.46	BB	IS	0.46	06	2002	2002-06	0.0406	0.0374	0.0031	0.0226	0.2192	0.0631	0.1560	0.0041	0.0000	0.2570	0.2292	2.6855		34.66	34.51	28.88	28.88	6.23	6.30	0.71		###	118.37		34.10	93.89	94.86
136.0	19-Jun-02	0848	111	Featherbed Bank	25.51583	-80.24000	2002.46	BB	MAIN	0.46	06	2002	2002-06	0.0030	0.0018	0.0012	0.0056	0.1902	0.0086	0.1815	0.0071	0.0000	0.2342	0.1998	2.5090		35.76	35.58	28.08	28.08	5.51	5.49	0.61		###	58.99		2.67	83.08	82.68
136.0	19-Jun-02	0910	112	Sands Cut	25.48833	-80.18833	2002.46	BB	MAIN	0.46	06	2002	2002-06	0.0017	0.0010	0.0007	0.0072	0.1421	0.0089	0.1332	0.0124	0.0000	0.1430	0.1734	2.3323		34.73	34.75	28.14	28.14	5.15	5.18	0.70		###	25.34		1.58	77.18	77.64
136.0	19-Jun-02	0925	113	Elliott Key	25.44167	-80.22333	2002.46	BB	MAIN	0.46	06	2002	2002-06	0.0079	0.0070	0.0009	0.0256	0.1546	0.0335	0.1211	0.0179	0.0001	0.2903	0.1822	2.1973		34.35	34.04	28.04	28.03	5.81	5.82	0.69		###	19.14	810.54	4.15	86.79	86.76
136.0	19-Jun-02	0940	116	Rubicon Keys	25.40000	-80.25500	2002.46	BB	MAIN	0.46	06	2002	2002-06	0.0121	0.0108	0.0014	0.0117	0.1226	0.0239	0.0988	0.0077	0.0000	0.1416	0.1939	1.8850		34.17	33.85	28.42	28.42	5.48	5.57	0.63		###	35.20		6.85	82.03	83.21
136.0	19-Jun-02	0954	121	North Card Sound	25.35500	-80.29167	2002.46	BB	SCARD	0.46	06	2002	2002-06	0.0095	0.0085	0.0010	0.0111	0.1846	0.0206	0.1640	0.0097	0.0002	0.1824	0.2674	1.9758		33.82	33.52	28.35	28.34	5.57	5.67	0.69		###	42.33	195.67	4.73	83.15	84.47
136.0	19-Jun-02	1049	122	West Arsenicker	25.42017	-80.31083	2002.46	BB	IS	0.46	06	2002	2002-06	0.0023	0.0012	0.0011	0.0200	0.1863	0.0223	0.1640	0.0067	0.0000	0.4866	0.3526	3.3273		34.94	34.61	28.70	28.70	5.94	5.90	0.65		###	61.91		7.40	89.55	88.76
136.0	19-Jun-02	1135	123	Pelican Bank	25.44500	-80.28333	2002.46	BB	MAIN	0.46	06	2002	2002-06	0.0164	0.0149	0.0015	0.0154	0.2093	0.0318	0.1775	0.0078	0.0004	0.2837	0.5172	2.7803		34.97	34.66	28.57	28.58	5.88	5.76	0.77		###	59.68	162.07	9.06	88.57	86.60
136.0	19-Jun-02	1159	124	South Midbay	25.47250	-80.23333	2002.46	BB	MAIN	0.46	06	2002	2002-06	0.0051	0.0044	0.0006	0.0173	0.2064	0.0223	0.1840	0.0062	0.0006	0.2813	0.2410	2.4763		35.59	35.29	28.41	28.37	6.24	6.21	0.77		###	73.54	80.52	7.96	94.24	93.58
136.0	18-Jun-02	1159	126	BNP Marker B	25.67167	-80.20500	2002.46	BB	MAIN	0.46	06	2002	2002-06	0.0020	0.0011	0.0009	0.0059	0.1740	0.0079	0.1661	0.0134	0.0003	0.1619	0.2057	2.3408		36.13	36.02	28.13	28.09	6.42	6.31	1.11		###	28.68	56.29	1.30	97.06	95.30
136.0	18-Jun-02	0859	127	Shoal Point	25.63000	-80.25000	2002.46	BB	IS	0.46	06	2002	2002-06	0.0316	0.0291	0.0025	0.0190	0.2255	0.0506	0.1749	0.0125	0.0007	0.1716	0.2645	2.6985		35.96	35.71	27.80	27.80	5.80	5.72	0.39		###	39.92	157.08	8.96	87.35	86.01
136.0	18-Jun-02	0914	128	Matheson Beach	25.68833	-80.23333	2002.46	BB	IS	0.46	06	2002	2002-06	0.0303	0.0265	0.0037	0.0123	0.2412	0.0425	0.1987	0.0101	0.0008	0.1516	0.3673	3.6488		34.50	34.57	27.93	27.86	5.61	5.80	0.33		###	52.89	113.28	9.33	83.81	86.63
136.0	18-Jun-02	0934	129	Marker G-71	25.73667	-80.18500	2002.46	BB	MAIN	0.46	06	2002	2002-06	0.0080	0.0054	0.0026	0.0135	0.1714	0.0215	0.1498	0.0139	0.0004	0.0934	0.3467	3.0760		35.03	34.84	28.18	28.18	5.53	5.48	0.56		###	27.27	131.94	3.42	83.06	82.21
136.0	18-Jun-02	0950	130	South Dodge Island	25.76333	-80.17167	2002.46	BB	NBAY	0.46	06	2002	2002-06	0.0155	0.0129	0.0026	0.0201	0.2058	0.0356	0.1702	0.0113	0.0006	0.0937	0.4702	3.0830		34.46	31.17	28.12	28.13	5.84	5.79	1.00		###	40.19	124.84	6.95	87.36	84.84
136.0	18-Jun-02	1005	131	North Venetian Basin	25.80000	-80.16667	2002.46	BB	NBAY	0.46	06	2002	2002-06	0.0497	0.0460	0.0037	0.0226	0.2703	0.0724	0.1979	0.0094	0.0001	0.0922	0.9109	3.0675		31.84	31.42	28.30	28.29	5.60	5.56	1.14		###	63.67	1123.61	17.05	82.52	81.71
136.0	18-Jun-02	1015	132	North I-195 Basin	25.81667	-80.16667	2002.46	BB	NBAY	0.46	06	2002	2002-06	0.0033	0.0019	0.0014	0.0044	0.1870	0.0077	0.1793	0.0085	0.0004	0.1692	0.5289	3.4648		31.37	31.37	28.33	28.36	6.36	6.81	0.45		###	48.50	39.23	1.99	93.47	100.11
136.0	18-Jun-02	1030	133	North Normandy Isle	25.86667	-80.15000	2002.46	BB	NBAY	0.46	06	2002	2002-06	0.0395	0.0355	0.0040	0.0357	0.2690	0.0752	0.1939	0.0100	0.0000	0.2755	1.4781	3.4078		28.49	28.28	28.36	28.34	5.58	5.66	1.25		###	59.50		16.63	80.55	81.58
136.0	18-Jun-02	1050	134	Oleta River Park	25.90500	-80.13333	2002.46	BB	NBAY	0.46	06	2002	2002-06	0.0640	0.0577	0.0063	0.0668	0.3447	0.1308	0.2139	0.0170	0.0000	0.2225	2.1099	4.6598		25.00	34.79	28.32	27.75	5.67	5.09	1.24		###	44.93		17.05	80.04	76.06
136.0	19-Jun-02	1008	135	South Card Sound	25.31667	-80.31667	2002.46	BB	SCARD	0.46	06	2002	2002-06	0.0140	0.0104	0.0036	0.0247	0.2129	0.0388	0.1742	0.0093	0.0000	0.1853	0.5172	3.4645		34.71	34.55	28.04	28.00	5.27	5.24	0.22		###	50.85		9.25	78.91	78.35
137.0	16-Jul-02	1408	101	Convoy Point	25.47833	-80.32083	2002.54	BB	AS	0.54	07	2002	2002-07	0.2557	0.2464	0.0092	0.0255	0.4282	0.2812	0.1470	0.0066	0.0024	0.2050	0.4584	3.8863		23.63	23.55	32.38	32.39	6.81	6.87	0.73		###	144.50	257.51	94.90	98.17	98.99

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
137.0	16-Jul-02	1013	102	Black Point	25.54583	-80.29467	2002.54	BB	AS	0.54	07	2002	2002-07	0.8780	0.8493	0.0288	0.1457	1.1807	1.0237	0.1569	0.0086	0.0056	0.4940	0.8727	6.5110		6.21	7.15	29.99	30.29	6.17	6.71	0.78		###	303.90	405.67	263.50	78.52	86.10
137.0	17-Jul-02	0941	103	Near Black Ledge	25.57333	-80.28667	2002.54	BB	IS	0.54	07	2002	2002-07	0.7664	0.7323	0.0341	0.1014	1.0036	0.8679	0.1357	0.0097	0.0050	0.6125	1.0226	5.4643		11.45	11.52	31.23	31.25	6.30	6.32	1.10		###	229.02	385.64	198.05	83.62	83.93
137.0	16-Jul-02	1034	104	BNP Marker C	25.60167	-80.22083	2002.54	BB	MAIN	0.54	07	2002	2002-07	0.0304	0.0272	0.0031	0.0145	0.1428	0.0449	0.0979	0.0060	0.0024	0.0747	0.2997	7.0973		31.90	32.10	30.50	30.40	5.30	5.54	0.63		###	52.98	41.77	16.65	79.45	83.10
137.0	16-Jul-02	1047	108	Marker G-1B	25.56917	-80.19250	2002.54	BB	MAIN	0.54	07	2002	2002-07	0.0036	0.0023	0.0013	0.0046	0.0628	0.0082	0.0545	0.0039	0.0005	0.0945	0.1352	2.1948		35.03	34.96	30.86	30.85	4.90	4.70	0.58		###	35.86	37.29	4.70	75.08	71.98
137.0	16-Jul-02	1058	109	North Midbay	25.56417	-80.23500	2002.54	BB	MAIN	0.54	07	2002	2002-07	0.0985	0.0919	0.0066	0.0158	0.2000	0.1143	0.0858	0.0056	0.0011	0.1177	0.1675	2.9330		29.97	30.77	30.80	30.80	4.90	4.89	0.50		###	79.38	223.65	45.35	72.73	72.94
137.0	16-Jul-02	1422	110	Fender Point	25.50500	-80.28750	2002.54	BB	IS	0.54	07	2002	2002-07	0.4076	0.3970	0.0106	0.0268	0.7001	0.4344	0.2657	0.0068	0.0009	0.1606	0.4173	4.6410		21.38	24.91	32.07	31.65	6.63	6.94	0.69		###	227.31	1128.24	141.03	94.08	100.38
137.0	16-Jul-02	1122	111	Featherbed Bank	25.51583	-80.24000	2002.54	BB	MAIN	0.54	07	2002	2002-07	0.0219	0.0196	0.0022	0.0167	0.1325	0.0386	0.0939	0.0105	0.0006	0.1911	0.3703	4.7140		30.51	30.50	30.65	30.66	5.28	5.28	0.76		###	27.82	132.86	8.10	78.55	78.55
137.0	16-Jul-02	1139	112	Sands Cut	25.48833	-80.18833	2002.54	BB	MAIN	0.54	07	2002	2002-07	0.0083	0.0068	0.0016	0.0159	0.1051	0.0242	0.0809	0.0112	0.0006	0.1469	0.3614	2.7743		33.31	33.30	31.81	31.81	5.01	4.91	0.66		###	20.79	92.13	4.79	76.40	74.87
137.0	16-Jul-02	1154	113	Elliott Key	25.44167	-80.22333	2002.54	BB	MAIN	0.54	07	2002	2002-07	0.0082	0.0069	0.0013	0.0169	0.0885	0.0251	0.0634	0.0121	0.0004	0.2399	0.2351	3.1123		32.34	32.30	30.84	30.87	4.96	4.86	0.80		###	16.23	130.60	4.61	74.73	73.22
137.0	16-Jul-02	1220	116	Rubicon Keys	25.40000	-80.25500	2002.54	BB	MAIN	0.54	07	2002	2002-07	0.0071	0.0057	0.0014	0.0130	0.0871	0.0201	0.0670	0.0113	0.0000	0.1218	0.1646	3.8718		31.28	33.23	31.33	31.02	3.94	4.01	0.54		###	17.04		3.93	59.16	60.82
137.0	16-Jul-02	1250	121	North Card Sound	25.35500	-80.29167	2002.54	BB	SCARD	0.54	07	2002	2002-07	0.0223	0.0192	0.0031	0.0128	0.1347	0.0351	0.0996	0.0132	0.0000	0.1199	0.1440	5.2375		27.25	31.80	31.40	31.37	6.27	6.67	0.28		###	22.54		5.87	91.87	100.50
137.0	16-Jul-02	1342	122	West Arsenicker	25.42017	-80.31083	2002.54	BB	IS	0.54	07	2002	2002-07	0.0141	0.0111	0.0030	0.0288	0.1108	0.0428	0.0680	0.0109	0.0001	0.3343	0.1352	9.4150		27.88	27.87	32.33	32.33	6.41	6.30	0.72		###	22.52	874.43	8.71	94.82	93.19
137.0	16-Jul-02	1354	123	Pelican Bank	25.44500	-80.28333	2002.54	BB	MAIN	0.54	07	2002	2002-07	0.0261	0.0232	0.0028	0.0205	0.0897	0.0466	0.0432	0.0147	0.0000	0.1752	0.2792	10.5263		28.51	28.52	31.85	31.84	6.20	6.11	0.60		###	13.50		7.01	91.81	90.48
137.0	16-Jul-02	1125	124	South Midbay	25.47250	-80.23333	2002.54	BB	MAIN	0.54	07	2002	2002-07	0.0066	0.0053	0.0013	0.0216	0.0970	0.0282	0.0688	0.0099	0.0000	0.2482	0.1998	11.9818		31.80	31.74	30.73	30.72	5.16	5.01	0.78		###	21.59	8056.00	6.28	77.43	75.14
137.0	17-Jul-02	1301	126	BNP Marker B	25.67167	-80.20500	2002.54	BB	MAIN	0.54	07	2002	2002-07	0.1910	0.1810	0.0100	0.0289	0.2928	0.2199	0.0729	0.0157	0.0027	0.1818	0.1969	8.0593		21.85	28.70	32.18	31.06	5.81	6.76	0.55		###	41.34	181.57	31.04	82.74	99.72
137.0	17-Jul-02	0957	127	Shoal Point	25.63000	-80.25000	2002.54	BB	IS	0.54	07	2002	2002-07	0.2582	0.2473	0.0109	0.0468	0.3329	0.3050	0.0279	0.0190	0.0038	0.3721	0.1910	6.8598		26.11	27.99	31.40	31.44	5.62	5.47	0.54		###	38.83	177.11	35.57	81.77	80.53
137.0	17-Jul-02	1011	128	Matheson Beach	25.68833	-80.23333	2002.54	BB	IS	0.54	07	2002	2002-07	0.0804	0.0734	0.0070	0.0166	0.1778	0.0970	0.0808	0.0126	0.0031	0.2184	0.2733	5.6130		22.84	24.24	31.56	31.27	5.83	6.02	0.68		###	31.36	68.93	17.11	83.21	86.50
137.0	17-Jul-02	1026	129	Marker G-71	25.73667	-80.18500	2002.54	BB	MAIN	0.54	07	2002	2002-07	0.0525	0.0497	0.0027	0.0082	0.1305	0.0606	0.0699	0.0099	0.0026	0.1959	0.2939	5.1608		25.38	29.91	31.23	31.04	6.27	6.16	0.84		###	29.14	52.31	13.53	90.71	91.54
137.0	17-Jul-02	1036	130	South Dodge Island	25.76333	-80.17167	2002.54	BB	NBAY	0.54	07	2002	2002-07	0.0519	0.0482	0.0037	0.0133	0.1478	0.0652	0.0826	0.0091	0.0018	0.1109	0.3761	10.6900		26.23	26.75	31.36	31.37	6.28	6.09	1.04		###	36.06	81.05	15.92	91.41	88.94
137.0	17-Jul-02	1102	131	North Venetian Basin	25.80000	-80.16667	2002.54	BB	NBAY	0.54	07	2002	2002-07	0.0518	0.0486	0.0032	0.0167	0.1194	0.0685	0.0509	0.0109	0.0000	0.0902	0.4143	6.0898		25.10	26.26	31.14	30.80	5.78	5.21	0.80		###	24.22		13.90	83.43	75.57
137.0	17-Jul-02	1113	132	North I-195 Basin	25.81667	-80.16667	2002.54	BB	NBAY	0.54	07	2002	2002-07	0.0161	0.0142	0.0018	0.0112	0.0916	0.0273	0.0643	0.0144	0.0014	0.1736	0.3673	6.8728		21.89	24.91	31.15	31.17	5.39	5.39	0.58		###	14.07	43.35	4.20	76.27	77.72
137.0	17-Jul-02	1132	133	North Normandy Isle	25.86667	-80.15000	2002.54	BB	NBAY	0.54	07	2002	2002-07	0.0979	0.0902	0.0077	0.0547	0.2191	0.1526	0.0664	0.0110	0.0028	0.3515	1.2548	6.5298		21.05	25.92	31.26	31.48	6.21	6.03	1.43		###	44.26	119.46	30.84	87.48	87.67
137.0	17-Jul-02	1150	134	Oleta River Park	25.90500	-80.13333	2002.54	BB	NBAY	0.54	07	2002	2002-07	0.1527	0.1217	0.0310	0.0577	0.2588	0.2105	0.0484	0.0134	0.0023	0.3553	1.7514	10.3660		23.90	32.29	30.66	29.75	6.04	5.73	1.37		###	42.87	200.43	34.86	86.25	85.65
137.0	16-Jul-02	1303	135	South Card Sound	25.31667	-80.31667	2002.54	BB	SCARD	0.54	07	2002	2002-07	0.0170	0.0139	0.0031	0.0124	0.1242	0.0294	0.0948	0.0061	0.0022	0.1326	0.1528	7.3835		26.04	31.41	31.97	31.28	6.19	7.23	0.27		###	45.03	29.48	10.66	90.34	108.61
138.0	06-Aug-02	1003	101	Convoy Point	24.86720	-80.80715	2002.59	BB	AS	0.59	08	2002	2002-08	0.0669	0.0623	0.0046	0.0307	0.2781	0.0975	0.1806	0.0069	0.0018	0.2170	0.2762	3.6805	0.1741	27.36	27.42	31.35	31.30	3.72	3.89	0.41		###	89.08	117.10	31.24	54.52	57.02
138.0	06-Aug-02	1332	102	Black Point	25.55453	-81.18367	2002.59	BB	AS	0.59	08	2002	2002-08	0.0352	0.0315	0.0037	0.0385	0.2628	0.0736	0.1892	0.0099	0.0028	0.6313	0.6435	5.5528	1.3932	23.39	24.49	32.15	31.94	5.60	5.88	0.39		###	58.57	58.28	16.41	80.49	84.98
138.0	06-Aug-02	1322	103	Near Black Ledge	25.58017	-81.12093	2002.59	BB	IS	0.59	08	2002	2002-08	0.0079	0.0065	0.0014	0.0148	0.2559	0.0227	0.2332	0.0072	0.0043	0.8843	1.1019	5.8380	0.2466	24.24	24.26	32.10	32.13	6.41	6.03	0.44		###	78.79	11.77	6.99	92.59	87.13
138.0	06-Aug-02	1308	104	BNP Marker C	25.56758	-81.07147	2002.59	BB	MAIN	0.59	08	2002	2002-08	0.0042	0.0019	0.0023	0.0113	0.1509	0.0155	0.1354	0.0064	0.0022	0.1315	0.4731	2.3560	0.0282	34.29	34.34	31.66	31.61	5.68	5.34	0.24		###	52.50	15.83	5.38	87.06	81.85
138.0	06-Aug-02	1256	108	Marker G-1B	25.52940	-81.04338	2002.59	BB	MAIN	0.59	08	2002	2002-08	0.0031	0.0019	0.0012	0.0074	0.1309	0.0105	0.1204	0.0070	0.0004	0.0997	0.2792	1.8883	0.0284	36.74	36.77	32.13	32.11	5.74	5.44	0.07		###	41.70	65.02	3.33	89.56	84.89
138.0	06-Aug-02	1245	109	North Midbay	25.49973	-81.04898	2002.59	BB	MAIN	0.59	08	2002	2002-08	0.0054	0.0030	0.0024	0.0083	0.1595	0.0138	0.1458	0.0073	0.0018	0.1234	0.2527	2.3403	0.0422	34.55	34.70	31.61	31.61	5.27	5.22	0.22		###	48.49	17.17	4.18	80.88	80.19
138.0	06-Aug-02	0945	110	Fender Point	25.48605	-81.11115	2002.59	BB	IS	0.59	08	2002	2002-08	0.0404	0.0375	0.0029	0.0259	0.2806	0.0663	0.2144	0.0079	0.0014	0.2176	0.4584	3.6618	0.2943	28.26	29.09	31.32	31.37	5.44	4.78	0.32		###	78.46	105.19	18.53	80.16	70.82
138.0	06-Aug-02	1232	111	Featherbed Bank	25.47502	-81.15293	2002.59	BB	MAIN	0.59	08	2002	2002-08	0.0084	0.0066	0.0018	0.0132	0.1919	0.0216	0.1702	0.0071	0.0020	0.1597	0.4467	2.7490	0.0210	34.03	34.22	31.94	31.82	5.39	5.15	0.25		###	59.97	23.43	6.77	82.62	78.98
138.0	06-Aug-02	1203	112	Sands Cut	25.41168	-81.14145	2002.59	BB	MAIN	0.59	08	2002	2002-08	0.0048	0.0027	0.0021	0.0102	0.1684	0.0150	0.1534	0.0069	0.0013	0.1066	0.1793	2.1405	0.0223	35.84	36.33	31.97	31.87	7.73	5.01	0.18		###	54.42	26.10	4.84	119.84	77.86
138.0	06-Aug-02	1139	113	Elliott Key	25.43168	-81.08238	2002.59	BB	MAIN	0.59	08	2002	2002-08	0.0083	0.0070	0.0013	0.0280	0.1990	0.0363	0.1627	0.0089	0.0017	0.1496	0.3908	2.7113	0.0275	34.45	35.24	31.90	31.90	5.74	5.55	0.28		###	49.70	48.70	9.07	88.19	85.69
138.0	06-Aug-02	1119	116	Rubicon Keys	25.41728	-80.99843	2002.59	BB	MAIN	0.59	08	2002	2002-08	0.0108	0.0089	0.0019	0.0051	0.1829	0.0159	0.1670	0.0090	0.0014	0.1202	0.4320	2.3213	0.0490	34.90	35.36	31.79	31.60	4.74	4.40	0.18		###	44.90	25.30	3.91	72.98	67.87
138.0	06-Aug-02	1049	121	North Card Sound	25.37892	-81.03073	2002.59	BB	SCARD	0.59	08	2002	2002-08	0.0066	0.0049	0.0017	0.0053	0.1785	0.0118	0.1667	0.0088	0.0017	0.1371	0.3056	2.5478	0.1361	33.95	34.14	31.60	31.75	4.86	4.44	0.11		###	44.94	15.51	2.98	74.31	68.03
138.0	06-Aug-02	1027	122	West Arsenicker	25.34972	-81.12457	2002.59	BB	IS	0.59	08	2002	2002-08	0.0323	0.0291	0.0032	0.0227	0.2749	0.0550	0.2199	0.0085	0.0014	0.2158	0.3556	4.2055	0.1682	30.13	32.74	30.88	31.32	4.96	4.36	0.10		###	71.33	89.83	14.28	73.73	66.06
138.0	06-Aug-02	1016	123	Pelican Bank	25.33115	-81.07267	2002.59	BB	MAIN	0.59	08	2002	2002-08	0.0246	0.0211	0.0035	0.0215	0.1938	0.0461	0.1478	0.0090	0.0061	0.1447	0.3849	3.1100	0.0417	33.21	33.57	31.41	31.47	4.43	4.66	0.08		###	47.66	16.85	11.32	67.35	71.03
138.0	06-Aug-02	1150	124	South Midbay	25.32600	-81.01455	2002.59	BB	MAIN	0.59	08	2002	2002-08	0.0096	0.0074	0.0022	0.0275	0.2081	0.0371	0.1709	0.0121	0.0058	0.1554	0.2674	3.5403	0.0524	33.29	33.59	31.89	31.60	5.84	5.70	0.14		###	37.94	14.08	6.77	89.09	86.96
138.0	07-Aug-02	1240	126	BNP Marker B	25.28613	-81.02365	2002.60	BB	MAIN	0.60	08	2002	2002-08	0.0110	0.0088	0.0023	0.0115	0.1719	0.0226	0.1494	0.0097	0.0057	0.1146	0.4349	3.2418	0.1581	31.38	32.67	30.76	30.93	5.41	5.30	0.98		###	39.05	8.80	5.12	80.98	80.06
138.0	07-Aug-02	0941	127	Shoal Point	25.33187	-80.98370	2002.60	BB	IS	0.60	08	2002	2002-08	0.0134	0.0110	0.0025	0.0164	0.1866	0.0299	0.1567	0.0118	0.0065	0.1683	0.3467	3.6750	0.1478	31.20	31.21	30.51	30.53	4.89	4.54	0.30		###	34.87	10.14	5.59	72.99	67.78
138.0	07-Aug-02	0956	128	Matheson Beach	25.30090	-80.96033	2002.60	BB	IS	0.60	08	2002	2002-08	0.0142	0.0115	0.0028	0.0124	0.1824	0.0266	0.1558	0.0128	0.0051	0.1356	0.4702	3.6240	0.1649	29.50	29.55	30.68	30.68	4.82	4.70	0.27		###	31.61	11.48	4.62	71.27	69.52
138.0	07-Aug-02	1011	129	Marker G-71	25.28503	-80.97580	2002.60	BB	MAIN	0.60	08	2002	2002-08	0.0251	0.0214	0.0037	0.0209	0.1393	0.0460	0.0933	0.0125	0.0073	0.0840	0.6641	3.4935	0.3476	29.79	30.43	30.32	30.50	4.84	4.76	1.00		###	24.66	14.01	8.14	71.52	70.71
138.0	07-Aug-02	1023	130	South Dodge Island	25.27965	-80.93077	2002.60	BB	NBAY	0.60	08	2002	2002-08	0.0365	0.0322	0.0043	0.0293	0.1156	0.0658	0.0497	0.0152	0.0071	0.0447	0.6935	3.1448	0.3513	30.82	33.59	30.31	30.31	5.31	5.01	0.97		###	16.86	20.47	9.60	78.96	75.80
138.0	07-Aug-02	1044	131	North Venetian Basin	25.24080	-80.95793	2002.60	BB	NBAY	0.60	08	2002	2002-08	0.0354	0.0316	0.0038	0.0216	0.1067	0.0569	0.0498	0.0116	0.0066	0.0824	1.0138	3.0763	0.2636	31.85	32.76	30.18	30.26	4.74	4.84	0.94		###	20.42	19.19	10.90	70.88	72.82
138.0	07-Aug-02	1057	132	North I-195 Basin	25.22840	-80.93300	2002.60	BB	NBAY	0.60	08	2002	2002-08	0.0417	0.0381	0.0036	0.0220	0.1284	0.0637	0.0647	0.0115	0.0060	0.1521	1.4869	3.6608	0.3191	29.32	29.87	30.25	30.15	4.18	3.94	0.74		###	24.74	23.70	12.27	61.56	58.18
138.0	07-Aug-02	1125	133	North Normandy Isle	25.19087	-80.91413	2002.60	BB	NBAY	0.60	08	2002	2002-08	0.0188	0.0154	0.0035	0.0081	0.1652	0.0270	0.1383	0.0115	0.0045	0.5783	5.4980	4.2618	0.1517	28.16	32.75	30.97	31.60	5.94	3.91	1.67		###	31.68	13.24	5.17	87.28	59.34
138.0	07-Aug-02	1154	134	Oleta River Park	25.80750	-81.34950	2002.60	BB	NBAY	0.60	08	2002	2002-08	0.0208	0.0177	0.0031	0.0084	0.0951	0.0292	0.0659	0.0103	0.0048	0.3808	2.3685	3.3940	0.1930	30.94	35.48	29.99	29.96	5.66	5.19	1.06		###	20.39	13.39	6.26	84.04	79.26
138.0	06-Aug-02	1058	135	South Card Sound	25.77000	-81.38333	2002.59	BB	SCARD	0.59	08	2002	2002-08	0.0052	0.0034	0.0019	0.0079	0.1198	0.0131	0.1067	0.0059	0.0052	0.1387	0.4966	4.4088	0.0695	29.72	32.96	31.29	33.08	5.57	4.60	0.12		###	44.98	5.61	4.91	82.81	70.48
139.0	05-Sep-02	1001	101	Convoy Point	25.47833	-80.32083	2002.68	BB	AS	0.68	09	2002	2002-09	0.1095	0.1034	0.0060	0.0380	0.4006	0.1475	0.2530	0.0227	0.0012	0.2083	0.2321	3.6415		26.16	30.12	29.44	29.99	5.16	4.52	0.54		###	39.13	263.44	14.41	74.05	66.77
139.0	05-Sep-02	1310	102	Black Point	25.54583	-80.29467	2002.68	BB	AS	0.68	09	2002	2002-09	0.1135	0.1048	0.0088	0.0662	0.3982	0.1797	0.2186	0.0210	0.0012	0.2829	0.3585	4.8255		24.77	24.51	30.15	30.15	5.39	5.03	0.53		###	42.06	326.98	18.98	77.10	71.83
139.0	05-Sep-02	1302	103	Near Black Ledge	25.57333	-80.28667	2002.68	BB	IS	0.68	09	2002	2002-09	0.0778	0.0701	0.0077	0.0405	0.2914	0.1183	0.1731	0.0274	0.0010	0.4454	0.4643	4.7280		26.24	26.20	29.97	29.98	5.93	5.80	0.69		###	23.52	268.27	9.55	85.49	83.60
139.0	05-Sep-02	1214	104	BNP Marker C	25.60167	-80.22083	2002.68	BB	MAIN	0.68	09	2002	2002-09	0.0085	0.0069	0.0016	0.0097	0.1723	0.0183	0.1541	0.0494	0.0008	0.0904	0.2439	2.1428		36.02	35.91	30.09	30.10	5.70	5.19	0.70		###	7.72	47.86	0.82	87.42	79.55
139.0	05-Sep-02	1205	108	Marker G-1B	25.56917	-80.19250	2002.68	BB	MAIN	0.68	09	2002	2002-09	0.0035	0.0018	0.0016	0.0060	0.4672	0.0095	0.4577	0.0351	0.0013	0.1013	0.1469	1.7055		36.65	36.36	30.19	30.20	5.65	5.17	0.67		###	29.51	16.49	0.60	87.06	79.52
139.0	05-Sep-02	1151	109	North Midbay	25.56417	-80.23500	2002.68	BB	MAIN	0.68	09	2002	2002-09	0.0048	0.0036	0.0011	0.0106	0.1803	0.0153	0.1650	0.0206	0.0005	0.1115	0.1910	2.0628		36.48	36.41	30.07	30.07	5.38	5.03	0.73		###	19.39	68.38	1.65	82.74	77.32
139.0	05-Sep-02	0951	110	Fender Point	25.50500	-80.28750	2002.68	BB	IS	0.68	09	2002	2002-09	0.0531	0.0490	0.0041	0.0264	0.2289	0.0795	0.1494	0.0118	0.0010	0.1513	0.1293	3.0945		31.47	31.36	29.73	29.81	5.94	5.47	0.48		###	43.12	174.83	14.98	88.32	81.33
139.0	05-Sep-02	1141	111	Featherbed Bank	25.51583	-80.24000	2002.68	BB	MAIN	0.68	09	2002	2002-09	0.0062	0.0050	0.0012	0.0100	0.2472	0.0162	0.2309	0.0187	0.0014	0.0941	0.1293	1.9200		36.94	36.78	30.06	30.06	4.75	4.58	0.82		###	29.24	25.49	1.92	73.25	70.56
139.0	05-Sep-02	1130	112	Sands Cut	25.48833	-80.18833	2002.68	BB	MAIN	0.68	09	2002	2002-09	0.0022	0.0008	0.0013	0.0067	0.1398	0.0089	0.1309	0.0182	0.0012	0.1133	0.1646	1.7478		36.45	36.11	30.28	30.29	5.29	4.80	0.36		###	16.97	15.97	1.08	81.46	73.76
139.0	05-Sep-02	1107	113	Elliott Key	25.44167	-80.22333	2002.68	BB	MAIN	0.68	09	2002	2002-09	0.0114	0.0101	0.0013	0.0344	0.1523	0.0458	0.1065	0.0198	0.0017	0.1346	0.2439	2.4068		35.08	34.90	29.95	29.96	6.19	5.69	0.75		###	17.00	58.44	5.12	94.29	86.58
139.0	05-Sep-02	1058	116	Rubicon Keys	25.40000	-80.25500	2002.68	BB	MAIN	0.68	09	2002	2002-09	0.0148	0.0130	0.0019	0.0106	0.1477	0.0254	0.1223	0.0208	0.0013	0.0828	0.2086	2.0200		36.14	35.98	30.28	30.29	5.48	5.14	0.87		###	15.75	44.29	2.71	84.22	78.92
139.0	05-Sep-02	1033	121	North Card Sound	25.35500	-80.29167	2002.68	BB	SCARD	0.68	09	2002	2002-09	0.0091	0.0079	0.0011	0.0130	0.1466	0.0220	0.1246	0.0186	0.0010	0.1101	0.2939	2.3873		35.27	35.14	30.21	30.22	5.33	4.87	0.73		###	17.42	51.15	2.62	81.43	74.35
139.0	05-Sep-02	1019	122	West Arsenicker	25.42017	-80.31083	2002.68	BB	IS	0.68	09	2002	2002-09	0.0240	0.0210	0.0030	0.0283	0.2081	0.0523	0.1558	0.0335	0.0002	0.1983	0.2792	2.8565		34.00	33.67	29.87	29.88	5.60	5.05	0.64		###	13.75	477.52	3.46	84.68	76.21
139.0	05-Sep-02	1011	123	Pelican Bank	25.44500	-80.28333	2002.68	BB	MAIN	0.68	09	2002	2002-09	0.0299	0.0284	0.0015	0.0232	0.2605	0.0531	0.2074	0.0184	0.0003	0.1431	0.3056	2.5633		35.09	34.76	29.79	29.81	5.64	5.35	0.74		###	31.38	367.23	6.39	85.82	81.25
139.0	05-Sep-02	1118	124	South Midbay	25.47250	-80.23333	2002.68	BB	MAIN	0.68	09	2002	2002-09	0.0027	0.0023	0.0004	0.0203	0.1800	0.0230	0.1570	0.0146	0.0000	0.1397	0.1293	2.4783		35.68	35.57	29.97	29.97	5.78	5.22	0.99		###	27.26	1527.02	3.48	88.39	79.77
139.0	05-Sep-02	1230	126	BNP Marker B	25.67167	-80.20500	2002.68	BB	MAIN	0.68	09	2002	2002-09	0.0083	0.0070	0.0013	0.0161	0.2570	0.0245	0.2325	0.0120	0.0013	0.1613	0.3585	3.2413		31.29	32.18	30.24	30.70	5.62	5.01	0.95		###	47.34	40.77	4.51	83.78	75.34
139.0	05-Sep-02	1250	127	Shoal Point	25.63000	-80.25000	2002.68	BB	IS	0.68	09	2002	2002-09	0.0152	0.0130	0.0023	0.0219	0.2560	0.0372	0.2188	0.0167	0.0018	0.1451	0.4613	3.1485		31.63	31.63	30.21	30.24	5.63	5.19	0.46		###	33.97	45.58	4.93	84.09	77.53
139.0	05-Sep-02	1238	128	Matheson Beach	25.68833	-80.23333	2002.68	BB	IS	0.68	09	2002	2002-09	0.0103	0.0084	0.0020	0.0164	0.2403	0.0267	0.2135	0.0157	0.0007	0.1162	0.3174	3.2450		29.53	29.81	30.26	30.75	5.74	4.97	0.25		###	33.88	79.13	3.77	84.65	73.67
139.0	06-Sep-02	1347	129	Marker G-71	25.73667	-80.18500	2002.68	BB	MAIN	0.68	09	2002	2002-09	0.0138	0.0107	0.0031	0.0376	0.3151	0.0514	0.2637	0.0137	0.0006	0.0889	0.3115	3.5540		28.95	32.15	30.31	30.04	5.52	5.27	0.91		###	50.90	180.43	8.30	81.14	78.87
139.0	06-Sep-02	1335	130	South Dodge Island	25.76333	-80.17167	2002.68	BB	NBAY	0.68	09	2002	2002-09	0.0271	0.0208	0.0063	0.0329	0.2474	0.0600	0.1873	0.0109	0.0013	0.0981	0.6083	3.1803		30.47	30.30	29.95	29.95	5.70	4.99	1.48		###	50.24	98.76	12.19	84.36	73.77
139.0	06-Sep-02	1314	131	North Venetian Basin	25.80000	-80.16667	2002.68	BB	NBAY	0.68	09	2002	2002-09	0.0480	0.0435	0.0045	0.0261	0.2888	0.0741	0.2147	0.0115	0.0005	0.0627	0.5054	2.9975		30.80	30.68	30.12	30.10	5.53	5.38	1.13		###	55.57	299.96	14.26	82.11	79.82
139.0	06-Sep-02	1302	132	North I-195 Basin	25.81667	-80.16667	2002.68	BB	NBAY	0.68	09	2002	2002-09	0.0445	0.0397	0.0048	0.0447	0.2629	0.0892	0.1737	0.0099	0.0011	0.0930	0.6024	3.4340		29.63	29.36	30.04	30.04	5.10	4.85	1.08		###	58.55	181.12	19.86	75.14	71.33
139.0	06-Sep-02	1241	133	North Normandy Isle	25.86667	-80.15000	2002.68	BB	NBAY	0.68	09	2002	2002-09	0.0398	0.0352	0.0046	0.0316	0.2707	0.0714	0.1994	0.0162	0.0038	0.2705	1.3341	3.5815		28.32	32.45	29.76	29.96	6.75	5.32	1.74		###	37.08	41.79	9.78	98.43	79.72
139.0	06-Sep-02	1227	134	Oleta River Park	25.90500	-80.13333	2002.68	BB	NBAY	0.68	09	2002	2002-09	0.0541	0.0483	0.0058	0.0344	0.4302	0.0885	0.3417	0.0206	0.0040	0.1590	1.2930	3.5268		28.02	39.00	29.36	29.70	5.51	5.44	1.23		###	46.25	49.48	9.51	79.95	84.77
139.0	05-Sep-02	1043	135	South Card Sound	25.31667	-80.31667	2002.68	BB	SCARD	0.68	09	2002	2002-09	0.0094	0.0071	0.0022	0.0204	0.4739	0.0298	0.4441	0.0133	0.0031	0.1489	0.6377	4.1868		30.43	34.50	29.88	31.17	5.99	4.84	0.64		###	79.00	21.13	4.97	88.59	74.06
140.0	04-Oct-02	1100	101	Convoy Point	25.47833	-80.32083	2002.75	BB	AS	0.75	10	2002	2002-10	0.1568	0.1494	0.0074	0.0402	0.3625	0.1970	0.1656	0.0300	0.0039	0.2234	0.1352	3.9375	0.3347	24.40	30.25	28.98	28.45	4.43	5.27	0.49		###	26.73	111.94	14.53	62.65	76.98
140.0	03-Oct-02	0902	102	Black Point	25.54583	-80.29467	2002.75	BB	AS	0.75	10	2002	2002-10	0.0250	0.0205	0.0044	0.0241	0.1911	0.0491	0.1420	0.0372	0.0047	0.4571	0.0882	3.8510	0.2710	27.43	27.19	28.40	28.42	4.99	5.01	0.73		###	11.37	23.35	2.92	71.58	71.77
140.0	03-Oct-02	0914	103	Near Black Ledge	25.57333	-80.28667	2002.75	BB	IS	0.75	10	2002	2002-10	0.0215	0.0179	0.0036	0.0219	0.1417	0.0434	0.0983	0.0397	0.0048	0.3202	0.1557	3.6015	0.1203	30.29	30.12	28.30	28.30	5.19	5.11	0.57		###	7.89	20.05	2.42	75.74	74.49
140.0	03-Oct-02	1241	104	BNP Marker C	25.60167	-80.22083	2002.75	BB	MAIN	0.75	10	2002	2002-10	0.0014	0.0010	0.0004	0.0044	0.1010	0.0058	0.0952	0.0191	0.0017	0.1328	0.0852	2.5210	0.0045	35.33	35.20	29.08	29.03	6.00	5.97	0.62		###	11.70	7.41	0.67	90.95	90.39
140.0	03-Oct-02	1309	108	Marker G-1B	25.56917	-80.19250	2002.75	BB	MAIN	0.75	10	2002	2002-10	0.0023	0.0017	0.0007	0.0069	0.1202	0.0092	0.1110	0.0139	0.0014	0.0937	0.0999	2.3623	0.0274	36.10	36.04	29.42	29.41	5.82	5.92	0.55		###	19.22	14.57	1.47	88.88	90.36
140.0	03-Oct-02	1331	109	North Midbay	25.56417	-80.23500	2002.75	BB	MAIN	0.75	10	2002	2002-10	0.0033	0.0022	0.0011	0.0085	0.1013	0.0118	0.0895	0.0173	0.0013	0.1020	0.0646	2.4145	0.0075	35.31	35.21	29.06	29.03	5.80	5.73	0.66		###	13.00	20.50	1.51	87.89	86.76
140.0	04-Oct-02	1112	110	Fender Point	25.50500	-80.28750	2002.75	BB	IS	0.75	10	2002	2002-10	0.0622	0.0587	0.0035	0.0296	0.2084	0.0919	0.1166	0.0125	0.0015	0.1519	0.0676	2.8315	0.0742	32.99	32.98	28.56	28.46	5.21	5.22	0.92		###	36.84	137.47	16.24	77.50	77.58
140.0	04-Oct-02	0833	111	Featherbed Bank	25.51583	-80.24000	2002.75	BB	MAIN	0.75	10	2002	2002-10	0.0026	0.0016	0.0010	0.0068	0.1044	0.0095	0.0949	0.0118	0.0012	0.1225	0.0646	2.5978	0.0186	36.12	35.93	28.28	28.28	4.73	4.69	0.79		###	19.61	17.74	1.78	71.60	70.91
140.0	04-Oct-02	0900	112	Sands Cut	25.48833	-80.18833	2002.75	BB	MAIN	0.75	10	2002	2002-10	0.0014	0.0008	0.0007	0.0083	0.1664	0.0097	0.1566	0.0261	0.0013	0.1120	0.0999	2.6030	0.0074	36.11	35.95	28.47	28.48	4.72	4.64	0.61		###	14.10	16.85	0.82	71.55	70.27
140.0	04-Oct-02	0913	113	Elliott Key	25.44167	-80.22333	2002.75	BB	MAIN	0.75	10	2002	2002-10	0.0079	0.0068	0.0012	0.0375	0.1366	0.0455	0.0912	0.0309	0.0014	0.1478	0.0940	2.8465	0.0426	35.78	35.59	28.48	28.49	5.13	5.08	0.82		###	9.80	70.01	3.26	77.61	76.77
140.0	04-Oct-02	0949	116	Rubicon Keys	25.40000	-80.25500	2002.75	BB	MAIN	0.75	10	2002	2002-10	0.0082	0.0074	0.0008	0.0054	0.1685	0.0137	0.1549	0.0203	0.0014	0.1498	0.0999	3.5915	0.0085	35.67	35.87	28.32	28.30	4.39	4.36	0.56		###	18.37	21.89	1.49	66.28	65.90
140.0	04-Oct-02	1003	121	North Card Sound	25.35500	-80.29167	2002.75	BB	SCARD	0.75	10	2002	2002-10	0.0059	0.0046	0.0012	0.0107	0.1513	0.0166	0.1347	0.0154	0.0010	0.1661	0.1087	2.2410	0.0362	35.48	35.39	28.42	28.36	4.45	4.45	0.68		###	21.81	34.99	2.39	67.16	67.09
140.0	04-Oct-02	1036	122	West Arsenicker	25.42017	-80.31083	2002.75	BB	IS	0.75	10	2002	2002-10	0.3368	0.3223	0.0145	0.0793	0.5592	0.4162	0.1431	0.0188	0.0072	0.3654	0.0793	4.2643	0.8312	31.20	33.58	28.14	28.23	5.07	4.88	0.45		###	65.82	127.67	48.98	74.31	72.66
140.0	04-Oct-02	1047	123	Pelican Bank	25.44500	-80.28333	2002.75	BB	MAIN	0.75	10	2002	2002-10	0.0402	0.0381	0.0020	0.0176	0.1963	0.0577	0.1386	0.0103	0.0000	0.1763	0.0705	2.0408	0.0283	35.33	35.23	28.48	28.41	5.17	5.24	0.50		###	42.01		12.35	78.00	78.96
140.0	04-Oct-02	0846	124	South Midbay	25.47250	-80.23333	2002.75	BB	MAIN	0.75	10	2002	2002-10	0.0055	0.0046	0.0009	0.0224	0.1916	0.0279	0.1637	0.0080	0.0004	0.2008	0.0588	2.4143	0.0369	35.09	34.94	28.57	28.57	5.29	5.21	0.66		###	53.09	172.20	7.73	79.74	78.46
140.0	03-Oct-02	1220	126	BNP Marker B	25.67167	-80.20500	2002.75	BB	MAIN	0.75	10	2002	2002-10	0.0173	0.0146	0.0027	0.0127	0.2076	0.0300	0.1776	0.0156	0.0008	0.1765	0.1146	2.6118	0.0718	30.55	31.37	29.05	29.04	6.07	6.08	0.90		###	29.47	78.47	4.26	89.27	89.87
140.0	03-Oct-02	0930	127	Shoal Point	25.63000	-80.25000	2002.75	BB	IS	0.75	10	2002	2002-10	0.0062	0.0020	0.0042	0.0106	0.3119	0.0169	0.2950	0.0196	0.0025	0.3307	0.3526	3.1220	0.0031	29.02	30.10	28.76	29.01	5.55	5.25	0.79		###	35.30	14.98	1.91	80.65	76.97
140.0	03-Oct-02	0945	128	Matheson Beach	25.68833	-80.23333	2002.75	BB	IS	0.75	10	2002	2002-10	0.0201	0.0163	0.0038	0.0123	0.2583	0.0324	0.2259	0.0157	0.0020	0.1833	0.1910	3.0918	0.0444	27.86	27.68	29.00	29.01	5.37	5.31	0.63		###	36.40	35.91	4.57	77.62	76.67
140.0	03-Oct-02	1000	129	Marker G-71	25.73667	-80.18500	2002.75	BB	MAIN	0.75	10	2002	2002-10	0.0348	0.0318	0.0030	0.0231	0.3336	0.0579	0.2757	0.0143	0.0030	0.2840	0.3379	3.3948	0.2698	28.55	31.20	28.91	29.53	5.41	5.26	1.78		###	51.50	42.71	8.94	78.48	77.96
140.0	03-Oct-02	1012	130	South Dodge Island	25.76333	-80.17167	2002.75	BB	NBAY	0.75	10	2002	2002-10	0.0193	0.0173	0.0020	0.0114	0.2043	0.0307	0.1736	0.0120	0.0021	0.1901	0.2939	2.6613	0.1334	31.28	32.20	28.86	28.80	5.37	5.19	1.68		###	37.68	33.00	5.67	79.22	76.97
140.0	03-Oct-02	1030	131	North Venetian Basin	25.80000	-80.16667	2002.75	BB	NBAY	0.75	10	2002	2002-10	0.0225	0.0198	0.0027	0.0141	0.3565	0.0366	0.3199	0.0134	0.0019	0.1922	0.5613	3.9800	0.2574	28.04	28.42	28.98	29.00	4.93	5.10	1.00		###	59.01	41.93	6.06	71.33	73.98
140.0	03-Oct-02	1044	132	North I-195 Basin	25.81667	-80.16667	2002.75	BB	NBAY	0.75	10	2002	2002-10	0.0078	0.0061	0.0017	0.0157	0.4179	0.0236	0.3943	0.0120	0.0016	0.3149	0.3908	3.9493	0.4359	28.52	28.21	29.04	29.04	4.77	4.74	0.70		###	77.03	32.10	4.34	69.26	68.69
140.0	03-Oct-02	1101	133	North Normandy Isle	25.86667	-80.15000	2002.75	BB	NBAY	0.75	10	2002	2002-10	0.0046	0.0035	0.0011	0.0054	0.1306	0.0100	0.1206	0.0019	0.0017	0.1546	0.2468	2.8908	0.1622	30.64	30.46	29.20	29.15	5.45	5.42	0.99		###	17.31	12.99	1.33	80.29	79.73
140.0	03-Oct-02	1118	134	Oleta River Park	25.90500	-80.13333	2002.75	BB	NBAY	0.75	10	2002	2002-10	0.0317	0.0290	0.0028	0.0119	0.2395	0.0437	0.1958	0.0139	0.0011	0.1503	0.2175	3.1010	0.4119	30.90	32.90	28.96	28.93	5.33	5.24	1.20		###	38.27	85.25	6.98	78.50	78.13
140.0	04-Oct-02	1013	135	South Card Sound	25.31667	-80.31667	2002.75	BB	SCARD	0.75	10	2002	2002-10	0.0032	0.0024	0.0007	0.0084	0.1938	0.0115	0.1822	0.0162	0.0008	0.1688	0.2057	3.1015	0.0293	33.37	33.31	28.89	28.87	5.21	5.33	0.21		###	26.47	31.32	1.58	77.89	79.64
141.0	20-Nov-02	1223	101	Convoy Point	25.47833	-80.32083	2002.88	BB	AS	0.88	11	2002	2002-11	0.2022	0.1981	0.0041	0.0387	0.3305	0.2409	0.0895	0.0021	0.0008	0.1930	0.2615	3.0520		28.26	28.24	21.67	21.67	6.92	6.92	0.41		###	354.68	702.39	258.58	92.69	92.68
141.0	20-Nov-02	0848	102	Black Point	25.54583	-80.29467	2002.88	BB	AS	0.88	11	2002	2002-11	0.0154	0.0126	0.0028	0.0366	0.2716	0.0521	0.2196	0.0034	0.0009	0.4093	0.2821	4.7625		24.17	24.21	20.41	20.42	6.77	6.80	0.31		###	175.83	123.96	33.70	86.71	87.13
141.0	20-Nov-02	0854	103	Near Black Ledge	25.57333	-80.28667	2002.88	BB	IS	0.88	11	2002	2002-11	0.0112	0.0092	0.0020	0.0253	0.2103	0.0365	0.1738	0.0019	0.0004	0.2685	0.2880	3.0038		30.89	30.89	20.76	20.75	7.25	6.91	0.50		###	243.17	189.78	42.24	97.58	92.99

SURV	DATE	TIME	STA	SITE	LATDEC	LONDEC	YEAR	BAY	ZSI	MO	MON	YEAR	YR-MO	NOX	NO3	NO2	NH4	TN	DIN	TON	TP	SRP	APA	CHLA	TOC	Si(OH)4	SAL_S	SAL_B	TEMP_S	TEMP_B	DO_S	DO_B	TURB	Kd	pH	TN:TP	N:P	DIN:TP	%SAT_T	%SAT_B
141.0	20-Nov-02	0914	104	BNP Marker C	25.60167	-80.22083	2002.88	BB	MAIN	0.88	11	2002	2002-11	0.0077	0.0064	0.0014	0.0151	0.1492	0.0228	0.1264	0.0033	0.0004	0.0643	0.4202	2.0425		34.99	35.06	21.54	21.51	6.11	6.16	1.18	###	99.73	120.61	15.24	85.40	86.11
141.0	20-Nov-02	0927	108	Marker G-1B	25.56917	-80.19250	2002.88	BB	MAIN	0.88	11	2002	2002-11	0.0046	0.0039	0.0007	0.0084	0.1913	0.0130	0.1783	0.0036	0.0007	0.1071	0.4643	1.9705		34.43	34.41	21.51	21.50	6.13	6.05	1.09	###	117.06	40.48	7.97	85.33	84.20
141.0	20-Nov-02	0901	109	North Midbay	25.56417	-80.23500	2002.88	BB	MAIN	0.88	11	2002	2002-11	0.0025	0.0018	0.0007	0.0071	0.1212	0.0096	0.1115	0.0023	0.0008	0.0849	0.2850	1.8703		36.02	36.03	21.36	21.37	6.33	6.27	0.76	###	114.70	26.64	9.09	88.87	88.04
141.0	20-Nov-02	1236	110	Fender Point	25.50500	-80.28750	2002.88	BB	IS	0.88	11	2002	2002-11	0.0382	0.0359	0.0024	0.0157	0.1880	0.0539	0.1341	0.0025	0.0002	0.0958	0.3467	2.3745		33.56	34.00	21.33	21.33	7.20	6.52	0.76	###	165.44	592.85	47.47	99.42	90.29
141.0	20-Nov-02	0952	111	Featherbed Bank	25.51583	-80.24000	2002.88	BB	MAIN	0.88	11	2002	2002-11	0.0025	0.0016	0.0009	0.0096	0.0991	0.0121	0.0870	0.0041	0.0006	0.0853	0.2263	1.9095		36.09	36.10	20.97	20.95	6.34	6.34	0.89	###	54.17	42.05	6.60	88.58	88.56
141.0	20-Nov-02	1017	112	Sands Cut	25.48833	-80.18833	2002.88	BB	MAIN	0.88	11	2002	2002-11	0.0021	0.0016	0.0005	0.0066	0.0993	0.0087	0.0906	0.0047	0.0001	0.0648	0.2410	2.0383		35.26	35.26	21.11	21.09	6.31	6.12	0.81	###	47.17	226.74	4.15	87.85	85.18
141.0	20-Nov-02	1052	113	Elliott Key	25.44167	-80.22333	2002.88	BB	MAIN	0.88	11	2002	2002-11	0.0213	0.0200	0.0013	0.0542	0.1766	0.0755	0.1011	0.0032	0.0015	0.0944	0.2939	2.3583		36.33	36.31	21.28	21.27	6.41	6.44	1.27	###	122.90	110.74	52.57	90.08	90.48
141.0	20-Nov-02	1106	116	Rubicon Keys	25.40000	-80.25500	2002.88	BB	MAIN	0.88	11	2002	2002-11	0.0558	0.0535	0.0023	0.0194	0.1824	0.0752	0.1072	0.0070	0.0007	0.1003	0.3262	2.7958		33.91	35.84	21.08	20.90	6.75	6.36	0.81	###	57.58	226.13	23.74	93.10	88.63
141.0	20-Nov-02	1136	121	North Card Sound	25.35500	-80.29167	2002.88	BB	SCARD	0.88	11	2002	2002-11	0.0090	0.0075	0.0016	0.0137	0.1387	0.0228	0.1159	0.0045	0.0005	0.1217	0.4026	3.2038		35.14	35.16	20.99	21.00	6.19	6.32	0.51	###	68.39	106.64	11.23	85.97	87.80
141.0	20-Nov-02	1157	122	West Arsenicker	25.42017	-80.31083	2002.88	BB	IS	0.88	11	2002	2002-11	0.3617	0.3544	0.0073	0.0619	0.4588	0.4236	0.0352	0.0043	0.0012	0.2165	0.2439	3.6208		24.23	27.54	20.99	21.10	7.26	6.97	0.62	###	237.10	770.85	218.89	93.81	92.20
141.0	20-Nov-02	1209	123	Pelican Bank	25.44500	-80.28333	2002.88	BB	MAIN	0.88	11	2002	2002-11	0.0554	0.0535	0.0019	0.0201	0.1624	0.0754	0.0870	0.0036	0.0015	0.1219	0.3497	2.5278		34.57	34.59	21.04	21.03	6.84	6.79	0.59	###	98.61	110.49	45.78	94.70	94.01
141.0	20-Nov-02	1004	124	South Midbay	25.47250	-80.23333	2002.88	BB	MAIN	0.88	11	2002	2002-11	0.0100	0.0089	0.0011	0.0486	0.2202	0.0586	0.1616	0.0037	0.0015	0.1096	0.7787	2.4590		36.25	36.15	21.38	21.37	6.40	6.27	0.48	###	130.86	85.00	34.83	90.01	88.11
141.0	20-Nov-02	1215	126	BNP Marker B	25.67167	-80.20500	2002.88	BB	MAIN	0.88	11	2002	2002-11	0.0117	0.0101	0.0015	0.0244	0.1154	0.0360	0.0794	0.0042	0.0018	0.0947	0.5671	2.4330		33.08	32.98	21.78	21.75	7.59	7.01	1.80	###	61.00	43.42	19.04	105.10	96.97
141.0	20-Nov-02	0910	127	Shoal Point	25.63000	-80.25000	2002.88	BB	IS	0.88	11	2002	2002-11	0.0129	0.0117	0.0012	0.0209	0.1031	0.0338	0.0693	0.0031	0.0035	0.0953	0.5348	2.7875		31.15	30.90	21.42	21.41	7.93	6.66	0.30	###	74.17	21.47	24.32	107.90	90.46
141.0	20-Nov-02	0922	128	Matheson Beach	25.68833	-80.23333	2002.88	BB	IS	0.88	11	2002	2002-11	0.0110	0.0098	0.0012	0.0176	0.0918	0.0286	0.0632	0.0028	0.0010	0.0912	1.1695	2.7403		31.18	31.02	21.19	21.18	8.26	6.89	0.65	###	73.66	62.92	22.97	112.06	93.36
141.0	20-Nov-02	0936	129	Marker G-71	25.73667	-80.18500	2002.88	BB	MAIN	0.88	11	2002	2002-11	0.0348	0.0332	0.0016	0.0227	0.0917	0.0576	0.0341	0.0047	0.0020	0.0568	0.7934	2.5673		31.98	33.15	23.12	23.27	6.52	6.21	1.32	###	42.78	63.02	26.87	91.17	87.66
141.0	20-Nov-02	0949	130	South Dodge Island	25.76333	-80.17167	2002.88	BB	NBAY	0.88	11	2002	2002-11	0.0131	0.0120	0.0011	0.0108	0.1212	0.0239	0.0973	0.0050	0.0020	0.0382	0.9109	1.4160		35.53	35.28	24.27	24.66	6.66	6.18	1.18	###	54.07	26.39	10.67	96.60	89.88
141.0	20-Nov-02	1013	131	North Venetian Basin	25.80000	-80.16667	2002.88	BB	NBAY	0.88	11	2002	2002-11	0.0266	0.0248	0.0018	0.0178	0.0991	0.0444	0.0547	0.0077	0.0016	0.0430	0.8052	1.9140		33.61	35.03	23.25	23.84	6.89	6.32	1.26	###	28.55	62.84	12.80	97.53	90.92
141.0	20-Nov-02	1028	132	North I-195 Basin	25.81667	-80.16667	2002.88	BB	NBAY	0.88	11	2002	2002-11	0.0225	0.0205	0.0020	0.0204	0.0791	0.0429	0.0362	0.0059	0.0026	0.0570	1.4957	2.7320		31.55	31.89	21.98	21.94	7.28	6.51	1.07	###	29.56	36.88	16.03	100.06	89.63
141.0	20-Nov-02	1050	133	North Normandy Isle	25.86667	-80.15000	2002.88	BB	NBAY	0.88	11	2002	2002-11	0.0214	0.0194	0.0020	0.0240	0.0912	0.0454	0.0458	0.0069	0.0026	0.1276	1.3370	2.0695		33.18	32.98	22.58	22.57	7.12	6.66	2.31	###	29.41	38.37	14.64	99.68	93.10
141.0	20-Nov-02	1110	134	Oleta River Park	25.90500	-80.13333	2002.88	BB	NBAY	0.88	11	2002	2002-11	0.0115	0.0103	0.0012	0.0120	0.1182	0.0235	0.0947	0.0062	0.0014	0.0535	0.4555	1.5000		35.30	35.58	24.04	24.07	7.03	6.35	1.42	###	42.43	36.53	8.45	101.55	91.92
141.0	20-Nov-02	1124	135	South Card Sound	25.31667	-80.31667	2002.88	BB	SCARD	0.88	11	2002	2002-11	0.0082	0.0067	0.0015	0.0150	0.0775	0.0232	0.0543	0.0030	0.0012	0.1034	0.5436	3.1380		35.15	35.14	21.72	21.73	6.39	6.34	0.35	###	56.61	43.38	16.97	89.63	88.93
142.0	20-Dec-02	0918	101	Convoy Point	25.47833	-80.32083	2002.97	BB	AS	0.97	12	2002	2002-12	0.2452	0.2380	0.0072	0.0259	0.4271	0.2711	0.1560	0.0077	0.0037	0.2646	0.3115	3.0323		24.61	24.58	21.39	21.39	7.47	7.05	0.15	###	122.14	164.10	77.53	97.31	91.82
142.0	20-Dec-02	1210	102	Black Point	25.54583	-80.29467	2002.97	BB	AS	0.97	12	2002	2002-12	0.1073	0.0995	0.0077	0.0149	0.2915	0.1222	0.1694	0.0058	0.0045	0.3866	0.2586	3.9963		23.08	23.09	21.89	21.87	8.09	8.03	0.15	###	110.51	59.58	46.31	105.05	104.25
142.0	20-Dec-02	1158	103	Near Black Ledge	25.57333	-80.28667	2002.97	BB	IS	0.97	12	2002	2002-12	0.0990	0.0951	0.0039	0.0169	0.2796	0.1160	0.1636	0.0062	0.0033	0.1921	0.2351	3.2208		28.82	28.88	21.69	21.69	7.87	7.49	0.22	###	99.21	78.04	41.15	105.84	100.77
142.0	18-Dec-02	1158	104	BNP Marker C	25.60167	-80.22083	2002.96	BB	MAIN	0.96	12	2002	2002-12	0.0082	0.0070	0.0012	0.0067	0.2102	0.0149	0.1954	0.0077	0.0023	0.0741	0.1910	2.0740		33.62	33.50	20.08	20.05	7.22	6.95	0.70	###	60.46	14.24	4.27	98.00	94.22
142.0	18-Dec-02	1201	108	Marker G-1B	25.56917	-80.19250	2002.96	BB	MAIN	0.96	12	2002	2002-12	0.0019	0.0011	0.0008	0.0068	0.1761	0.0086	0.1675	0.0061	0.0025	0.0623	0.2116	1.8238		34.50	34.54	19.92	19.92	7.23	6.83	0.60	###	64.06	7.64	3.14	98.48	93.06
142.0	18-Dec-02	1211	109	North Midbay	25.56417	-80.23500	2002.96	BB	MAIN	0.96	12	2002	2002-12	0.0066	0.0052	0.0014	0.0083	0.1874	0.0149	0.1725	0.0053	0.0023	0.0867	0.2351	2.0165		33.77	33.80	20.37	20.35	6.93	6.83	0.91	###	78.92	14.19	6.28	94.55	93.18
142.0	20-Dec-02	0857	110	Fender Point	25.50500	-80.28750	2002.97	BB	IS	0.97	12	2002	2002-12	0.0919	0.0882	0.0036	0.0207	0.3484	0.1125	0.2358	0.0044	0.0041	0.1048	0.1352	2.1925		31.72	31.71	21.22	21.23	6.84	6.64	0.35	###	176.19	60.19	56.92	93.16	90.45
142.0	20-Dec-02	1138	111	Featherbed Bank	25.51583	-80.24000	2002.97	BB	MAIN	0.97	12	2002	2002-12	0.0024	0.0015	0.0008	0.0056	0.1765	0.0080	0.1686	0.0075	0.0030	0.0920	0.1381	1.9665		35.27	35.29	21.37	21.33	6.81	6.94	0.35	###	51.81	5.96	2.33	95.15	96.93
142.0	20-Dec-02	1121	112	Sands Cut	25.48833	-80.18833	2002.97	BB	MAIN	0.97	12	2002	2002-12	0.0009	0.0005	0.0004	0.0052	0.1729	0.0061	0.1667	0.0104	0.0042	0.0660	0.2615	1.4630		35.64	35.63	22.03	22.03	7.03	6.71	0.75	###	36.84	3.23	1.31	99.32	94.79
142.0	20-Dec-02	1051	113	Elliott Key	25.44167	-80.22333	2002.97	BB	MAIN	0.97	12	2002	2002-12	0.0135	0.0123	0.0012	0.0316	0.2437	0.0451	0.1987	0.0064	0.0033	0.0821	0.2557	1.8323		23.53	35.24	21.58	21.55	7.24	6.67	0.65	###	84.34	30.66	15.60	93.89	93.40
142.0	20-Dec-02	0959	116	Rubicon Keys	25.40000	-80.25500	2002.97	BB	MAIN	0.97	12	2002	2002-12	0.0060	0.0047	0.0014	0.0074	0.1987	0.0135	0.1853	0.0046	0.0031	0.0821	0.1587	1.8275		34.94	34.95	21.67	21.65	6.69	6.36	0.36	###	95.41	9.59	6.47	93.64	89.01
142.0	20-Dec-02	1013	121	North Card Sound	25.35500	-80.29167	2002.97	BB	SCARD	0.97	12	2002	2002-12	0.0068	0.0051	0.0017	0.0141	0.2204	0.0209	0.1995	0.0053	0.0035	0.0838	0.3056	2.2090		33.56	33.57	20.93	20.92	6.71	6.58	0.41	###	92.10	13.41	8.74	92.14	90.35
142.0	20-Dec-02	0942	122	West Arsenicker	25.42017	-80.31083	2002.97	BB	IS	0.97	12	2002	2002-12	0.0795	0.0749	0.0046	0.0280	0.2772	0.1076	0.1697	0.0047	0.0035	0.2091	0.1734	2.4543		23.55	28.76	21.54	21.53	7.49	6.83	0.17	###	130.47	68.35	50.63	97.09	91.62
142.0	20-Dec-02	0931	123	Pelican Bank	25.44500	-80.28333	2002.97	BB	MAIN	0.97	12	2002	2002-12	0.0724	0.0704	0.0021	0.0195	0.2494	0.0919	0.1575	0.0046	0.0021	0.1081	0.1557	2.4610		31.83	31.83	21.09	21.06	7.15	6.90	0.28	###	121.00	95.65	44.58	97.28	93.84
142.0	20-Dec-02	1106	124	South Midbay	25.47250	-80.23333	2002.97	BB	MAIN	0.97	12	2002	2002-12	0.0029	0.0019	0.0010	0.0154	0.1612	0.0183	0.1429	0.0053	0.0019	0.0938	0.1734	1.9265		35.07	35.09	21.53	21.46	6.93	6.63	0.32	###	67.24	21.89	7.64	96.91	92.64
142.0	18-Dec-02	1121	126	BNP Marker B	25.67167	-80.20500	2002.96	BB	MAIN	0.96	12	2002	2002-12	0.0110	0.0090	0.0021	0.0155	0.2233	0.0266	0.1968	0.0085	0.0035	0.0765	0.6729	4.0938		32.81	32.94	20.40	20.34	7.14	6.63	1.24	###	57.90	16.68	6.89	96.84	89.92
142.0	18-Dec-02	1228	127	Shoal Point	25.63000	-80.25000	2002.96	BB	IS	0.96	12	2002	2002-12	0.0143	0.0110	0.0032	0.0083	0.2204	0.0225	0.1979	0.0144	0.0034	0.0763	0.1851	4.7845		29.81	29.89	20.65	20.63	7.79	6.98	0.16	###	33.89	14.79	3.46	103.94	93.16
142.0	18-Dec-02	1259	128	Matheson Beach	25.68833	-80.23333	2002.96	BB	IS	0.96	12	2002	2002-12	0.0216	0.0202	0.0014	0.0068	0.2199	0.0285	0.1914	0.0040	0.0018	0.0463	0.4643	4.0968		29.40	30.84	21.00	20.30	7.64	7.22	0.30	###	122.60	35.38	15.88	102.17	96.51
142.0	18-Dec-02	1108	129	Marker G-71	25.73667	-80.18500	2002.96	BB	MAIN	0.96	12	2002	2002-12	0.0321	0.0297	0.0024	0.0227	0.2282	0.0549	0.1733	0.0065	0.0011	0.0504	0.6024	3.3358		32.73	33.04	21.23	21.38	7.42	6.39	1.24	###	78.16	107.37	18.80	101.76	87.99
142.0	18-Dec-02	1054	130	South Dodge Island	25.76333	-80.17167	2002.96	BB	NBAY	0.96	12	2002	2002-12	0.0328	0.0303	0.0024	0.0216	0.2182	0.0544	0.1638	0.0043	0.0014	0.0426	0.7787	3.0963		33.08	34.75	21.50	21.87	6.89	6.51	1.53	###	112.32	87.78	27.99	95.05	91.25
142.0	18-Dec-02	1037	131	North Venetian Basin	25.80000	-80.16667	2002.96	BB	NBAY	0.96	12	2002	2002-12	0.0275	0.0249	0.0026	0.0114	0.2105	0.0388	0.1717	0.0052	0.0029	0.0509	1.0079	3.1560		31.31	32.40	20.87	21.43	7.84	6.54	1.00	###	89.15	29.38	16.45	105.98	89.74
142.0	18-Dec-02	1025	132	North I-195 Basin	25.81667	-80.16667	2002.96	BB	NBAY	0.96	12	2002	2002-12	0.0273	0.0240	0.0033	0.0112	0.2190	0.0384	0.1806	0.0050	0.0037	0.1587	1.3253	3.7998		27.98	29.36	19.65	20.25	7.49	7.18	0.80	###	96.91	23.16	17.00	97.29	94.97
142.0	18-Dec-02	0915	133	North Normandy Isle	25.86667	-80.15000	2002.96	BB	NBAY	0.96	12	2002	2002-12	0.0813	0.0746	0.0067	0.0372	0.2635	0.1185	0.1450	0.0063	0.0042	0.5823	4.4225	3.9665		27.23	32.37	20.14	22.43	7.43	5.04	1.19	###	92.88	62.94	41.76	96.74	70.05
142.0	18-Dec-02	0942	134	Oleta River Park	25.90500	-80.13333	2002.96	BB	NBAY	0.96	12	2002	2002-12	0.0698	0.0637	0.0062	0.0699	0.1933	0.1397	0.0536	0.0047	0.0027	0.0855	1.8131	3.6563		31.09	35.14	22.01	22.81	6.90	6.24	1.39	###	91.53	115.18	66.15	94.59	88.74
142.0	20-Dec-02	1027	135	South Card Sound	25.31667	-80.31667	2002.97	BB	SCARD	0.97	12	2002	2002-12	0.0079	0.0057	0.0021	0.0152	0.2149	0.0231	0.1918	0.0041	0.0042	0.1006	0.2939	3.7923		23.49	32.63	21.64	21.46	8.00	6.86	0.07	###	115.73	12.04	12.43	103.80	94.31
																		0.2787			0.0068						32.54	33.13		25.90									

APPENDIX B

Final Report to the National Park Service in response to Project Statement BISC-N-011.000
under NPS/FIU Cooperative Agreement No. CA5280-8-9038

TOTAL AMMONIA CONCENTRATIONS IN SOIL, SEDIMENTS, SURFACE WATER , AND GROUNDWATER ALONG THE WESTERN SHORELINE OF BISCAYNE BAY WITH THE FOCUS ON BLACK POINT AND A REFERENCE MANGROVE SITE

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12 February 2001

EXECUTIVE SUMMARY

This study focused on ammonia as a potential stressor of marine benthic communities in Biscayne Bay but also included other nutrients as well. The specific tasks included in this project were: 1) Black Point Monitoring Program, 2) Black Point Monitoring Comparison, 3) Shoreline Nutrient Survey, 4) Shoreline Benthic Community Survey, and 5) Mangrove Transect Comparison.

The Black Point Monitoring Program showed that nutrient concentrations (especially ammonium were elevated in the canals adjacent to the landfill. The median value of unionized ammonia at Station 12 was 122 ppb which may be toxic to some marine fish. However, the very low dissolved oxygen at the same site would also preclude much marine life from thriving in this area.

The Black Point Monitoring Comparison was performed by statistical comparison of data from 1993 surveys with this study. No differences in water quality in the canals or nearshore area were found. We can clearly say that there has been no measurable improvement in water quality between surveys.

The Shoreline Nutrient Survey showed that ammonium concentrations were highest in the nearshore waters off Black Point, the Cutler Channel, and the Mowry Canal area. A very different distribution was observed for nitrate where highest concentrations were found off the Cutler Channel and very low levels found in the nearshore waters between Cutler Channel and Goulds Canal. A hot spot in total phosphorus was observed off Mangrove Key in extreme south Biscayne Bay. Another interesting aspect was the correspondence between sediment and water column nutrient levels. Levels of ammonium in the sediments are approximately an order of magnitude higher than the water column and generally follow each other. This was also true for total phosphorus although the concentrations in sediment and water were different by only a factor of 3.

Shoreline Benthic Community Survey resulted in the classification of 5 angiosperms and 22 algal species. Among the angiosperms, *Thalassia testudinum* and *Halodule wrightii*, were the most common. *Thalassia* and *Halodule* did not share the same distribution or abundance patterns from north to south - small amounts of *Halodule* were found throughout the study area with a general increase in abundance from south to north. The inverse was true with *Thalassia* abundance, which generally increased in abundance in the southerly direction. A break in *Thalassia* distribution occurred at the Goulds Canal/Black Point Area. For several km south, no *Thalassia* was reported but abundant *Halodule* was found in its place along with unknown green species, brown algae, and other noncalcareous green species. The break in *Thalassia* cover may have been partly due to salinity. Salinity during the survey increased dramatically from north to south, however, highest *Thalassia* densities occurred in the areas experiencing hypersaline conditions. Variability in salinity may have been important to mortality of *Thalassia* but salinity in the area between Goulds and Military Canals is not as variable as it is off the Mowry Canal. The only other water quality variable which may have influenced *Thalassia* was ammonium. The nearshore area between Goulds and Military Canals has the highest concentrations of ammonium in the water column and sediments of any site in this study. Our results indicate a strong correlation between elevated ammonium concentrations with 1) decreased abundance of *Thalassia*, 2) increased abundance of *Halodule* and fast growing algae species, and 3) the increase in filamentous algal cover.

The Mangrove Transect Comparison showed that the mangrove fringe was a source of total phosphorus and possibly some ammonium to the Bay, but not as much as suspected. The Bay itself was a source of nitrate to the mangrove fringe.

Understanding: 1) nutrient concentration spatial and temporal distributions, 2) the relationship between ammonia concentration and the level of benthic community degradation, and 3) the relative significance of natural nutrient addition to the system from anthropogenic or additional loading is paramount to establishing pollution load reduction goals. This project focused on the first two needs listed above to begin to establish a data base for the calculation of load and sources of load to Biscayne National Park.

Acknowledgments

We thank all the field and laboratory technicians involved with this project especially Sean Gilhooly, Braxton Davis, and Amy Renshaw. We also want to thank Max Flandorfer at Biscayne National Park for boat time and field support. This project was possible due to funding by the National Park Service under NPS/FIU Cooperative Agreement No. CA5280-8-9038. Funding for other portions of the SERC Water Quality Monitoring Network was provided by the South Florida Water Management District and Everglades National Park (NPS/SERC Cooperative Agreement #5280-2-9017 and NPS/SFWMD Cooperative Agreement #C-7919). This is Technical Report #T141 of the Southeast Environmental Research Center at Florida International University.

INTRODUCTION

Biscayne Bay is a shallow subtropical lagoonal estuary located on the southeast coast of Florida. The Bay is situated as a topographic basin on the surface of the Miami Limestone which outcrops to the west of the western shoreline forming a coastal ridge. Biscayne Bay is separated from the Atlantic Ocean by a series of barrier islands and limestone keys cut by shallow tidal passes. Biscayne Bay originated ~6,000 ybp as sea level rose during the Holocene transgression and has increased to a maximum depth of ~4 m during that time. The N-S orientation and different coastal morphology allow the Bay to be separated into three distinct regions: North, Central and South Bay (Card Sound). North Bay is a highly urbanized system. Channel dredging, the construction of Haulover Cut, and the extensive enlargement of Government Cut has altered circulation patterns resulting in increased salinity in this zone.

The western shore of Central Bay (Dinner Key to Turkey Point) was originally composed of a mangrove fringe and extensive freshwater marshes reaching to the foot of the coastal ridge several miles inland. These freshwater marshes were maintained by local rainfall and Everglades discharge via the transitional glades. After the turn of the century the transverse glades were channeled and drained directly into Biscayne Bay which resulted in saltwater encroachment. This was identified by the early 1940's and control structures and a coastal storm protection levee (L-31E) were constructed. The L-31E canal and levee system eliminated all sheet flow to Central and South Biscayne Bay. Canal water now enters the Bay as a point source and contains high levels of urban and agricultural waste creating a nutrient loading and time of delivery problems in the ecosystem. South Bay is relatively isolated from urban development, with the exception of Turkey Point Power Plant facility. Although this region has historically received less freshwater runoff than other areas of the Bay, it has also seen the greatest decline in freshwater inputs due to construction of the L-31E levee and US 1.

Biscayne National Park is located adjacent to large population and agricultural centers of Miami-Dade county. Over the past 100 years of land development, Biscayne Bay circulation patterns have been highly altered by management activities. Freshwater sheet flow discharge was replaced by channelized discharge via canals which radically changed the quantity, timing, and distribution of input to the Bay (Alleman et al. 1995). Because of this management activity, the estuarine zone of Biscayne Bay has been much reduced.

In conjunction with the changes in quantity, timing, and distribution of freshwater there have been changes in quality of the input. The water quality of both canal and groundwater inputs has declined as urbanization and agriculture have become more pronounced across the landscape. Numerous landfill and contaminated sites impact the groundwater that enters Biscayne Bay (Meeder et al. 1997). Nutrient loading estimates from the Mowry Canal to Biscayne Bay are very high compared to the typically low levels (oligotrophic conditions) found in other areas (Meeder et al. 1997). The addition of groundwater nutrient inputs to the model suggests that Biscayne Bay may be undergoing considerably more nutrient loading than previously thought (Meeder et al. 1997). This poses not only an environmental degradation problem but one of potential ammonia toxicity. As a consequence, the nearshore aquatic environment has displayed symptoms of decreased primary productivity and offshore migration of desirable benthic communities (Meeder et al. 1997).

This study focuses on ammonia as a potential stressor of marine benthic communities. Coastal mangroves are highly productive systems that are known to export ammonia because of

microbial N_2 fixation associated with aerial roots (Boto and Robertson 1990) and anaerobic decomposition processes (Peligri and Twilley 1999). Ammonia production in the coastal mangrove system is limited to a fraction of the biomass turnover on an annual basis and is therefore fixed within rather narrow bounds at any site (Boto and Robertson 1990; Lara and Dittmar 1999). In addition, most mangrove swamps along the western shore of Biscayne Bay grow in carbonate marl soil, about 1 m thick, which overlies the bedrock (and groundwater). This mud layer is relatively impermeable and separate the surficial interstitial soil and tidal water from the terrestrial groundwater from the watershed. This means that ammonia derived from inner mangrove forests is separate from anthropogenic derived ammonia in groundwater until they discharge into the Bay. An exception to this may be the thin fringing mangrove zone along the waters edge which frequently are not underlain by the marl soil horizon. This is the zone of highest productivity, greatest physical export of detritus, greatest belowground biomass production (actually accretion), and soils with the best gas exchange.

Groundwater nutrient levels obtained 50 m from shore along Biscayne Bay from the Dinner Key to Mowry Canal have total ammonia concentrations 30 or more times greater than those of overlying surface waters (Meeder et al. 1997). In addition, highest groundwater concentrations were found at Black Point and decreased by nearly half both northwards and southwards (Meeder et al. 1997). The location of the highest concentrations off Black Point was no surprise because the site is located close to the old and present Dade County landfills.

Only limited data on Biscayne Bay ammonia concentrations is available for inshore areas. The need to understand the distribution of ammonia in Biscayne National Park is necessary to establish pollution guidelines based upon real spatial and temporal distributions and their impacts to Bay ecology. A restudy of the Black Point area will aid in the determination if remedial environmental protection activities at the landfill have succeeded in lowering the nutrient concentrations delivered to the Bay. Comparisons between the Black Point area and the mangrove reference site should also aid the Park in determining the background levels of ammonia expected from coastal mangroves in contrast to ammonia levels associated with anthropogenic activities.

The specific tasks included in this project were:

Task 1 - Black Point Monitoring Program
Task 2 - Black Point Monitoring Comparison
Task 3 - Shoreline Nutrient Survey
Task 4 - Shoreline Benthic Community Survey
Task 5 - Mangrove Transect Comparison

The Black Point Monitoring Program (Task 1) was designed to produce a monthly characterization of nutrient concentrations in the receiving waters surrounding the landfill. Comparisons between previous (Jones 1994) and current nutrient levels at Black Point (Task 2) indicated if remedial activities for the protection of the Bay from excess nutrient loading have been successful.

The purpose of the Shoreline Nutrient Survey (Task 3) was to produce a high resolution map of ammonia along the western BNP shoreline and to point out any hot spots within the mangroves, surface water, and marine sediments. This data was then combined with the ongoing

Biscayne Bay Water Quality Monitoring Program operated by SERC and funded by SFWMD to produce a more generalized "snapshot" of nutrient levels in the Bay.

The concurrent Shoreline Benthic Community Survey (Task 4) was designed to provide a high resolution map of plant community structure along the west coast. Comparisons between benthic community characteristics and ammonia levels in water and sediments were proposed to develop an impact gradient curve of the relationship between ammonia levels and degree of community degradation. Documentation of the distribution of ammonia levels and their impacts on the benthos would then be used in the development of non-degradation criteria for BNP waters.

The comparison of mangroves at Black Point and the reference site (Task 5) is designed to determine whether there is a difference between ammonia levels found in natural and impacted areas. The transect data will provide a source gradient by which we can calculate the relative magnitude of ammonia input to the system via mangrove fringe.

METHODS

Task 1 - Black Point Monitoring Program

The Black Point Monitoring Program was conducted monthly for one year at six canal surface water sample sites and two terrestrial sites (Fig 3). Most of these sites were the same as those sampled in the previous Black Point study (Jones 1994) in order to allow a direct comparison between data sets (Task 2). The purpose of this component is to determine the magnitude and extent of any ammonia source gradient from the landfill site. In addition, two soil sites were established along the east side of the landfills, on separate sides of the canal.

We decided to measure other nutrient variables along with ammonium in order to ascertain if the landfill had an impact on them as well. This decision was made with best science in mind. However, because of the increased costs, we were restricted to conducting only one shoreline ammonia and benthic survey instead of the proposed two.

Surface and bottom salinity (psu) and temperature (ºC) were measured using a combination salinity-conductivity-temperature probe (Orion model 140). Dissolved oxygen (DO, mg l^{-1}) was measured 10 cm below the surface using an oxygen electrode (Orion model 840) corrected for salinity and temperature.

Water samples were collected in sample-rinsed HDPE bottles using standard SERC procedures. Interstitial water of soils and sediments for the Shoreline Nutrient Survey were collected by vacuum lysimeter. Soil and sediment were collected by coring. Duplicate, unfiltered water samples were collected using 3x sample rinsed 120 ml HDPE bottles for analysis of total constituents. Duplicate water samples for dissolved nutrients were collected using 3x sample rinsed 150 ml syringes which were then filtered by hand through 25 mm glass fiber filters (Whatman GF/F) into 3x sample rinsed 60 ml HDPE bottles.

Unfiltered water samples were analyzed for total organic carbon (TOC), total nitrogen (TN), total phosphorus (TP), total silicate ($Si(OH)_4$), and turbidity. TOC was measured by direct injection onto hot platinum catalyst in a Shimadzu TOC-5000 after first acidifying to pH<2 and purging with CO_2-free air. TN was measured using an ANTEK 7000N Nitrogen Analyzer using O_2 as carrier gas to promote complete recovery of the nitrogen in the water samples (Frankovich and Jones 1998). TP was determined using a dry ashing, acid hydrolysis technique (Solórzano and Sharp 1980). TS was measured using the molybdosilicate method (Strickland and Parsons 1972). Turbidity was measured using an HF Scientific model DRT-15C turbidimeter and reported in NTU.

Filtrates were analyzed for soluble reactive phosphorus (SRP), nitrate+nitrite (NO_x), nitrite (NO_2^-), and total ammonia (NH_4^+) on a four channel autoanalyzer (Alpkem model RFA 300). All analyses were completed within 28 days after collection (except for NH_4^+, which was run the following day) in accordance to standard SERC laboratory quality control guidelines.

Some parameters were not measured directly, but were calculated by difference. Nitrate (NO_3^{-2}) was calculated as $NO_X^- - NO_2^-$, dissolved inorganic nitrogen (DIN) as $NO_X + NH_4^+$, and total organic nitrogen (TON) defined as TN - DIN. All concentrations are reported as ppm-N or P unless noted. All elemental ratios discussed were calculated on a molar basis.

Task 2 - Black Point Monitoring Comparison

Data from Jones (1994) and current programs were compiled and analyzed by station using the Mann-Whitney U test; the nonparametric version of the two group unpaired *t*-test. Significance was set at $P<0.05$.

Task 3 - Shoreline Nutrient Survey

During the 1998 dry season, nutrient concentrations in nearshore surface water (~50 m offshore), marine sediment pore water (~50 m offshore), mangrove soils (~25 m onshore), and mangrove surface waters (~25 m onshore) were sampled approximately every 1 km along the west shoreline for a total of 22 (Fig 2). We also sampled near canal mouths and at significant features. Data from the Shoreline Nutrient Survey were combined with data from the FIU water quality monitoring program for Biscayne Bay. All data was collected in the same month and presented as kriged contour plots (Surfer, Golden Software).

Task 4 - Shoreline Benthic Community Survey

The Shoreline Benthic Community Survey was conducted in conjunction with the Shoreline Nutrient Survey. Benthic plant community structure was characterized in three plots (0.25 m^2) within one meter of each Shoreline Ammonia Survey sampling site. The number of shoots of marine plants was counted, measured, and weighed in subplots within each of the three plots. Plant taxa and their abundance were recorded using the Braun-Blanquet survey method (Fourqurean et al. 2000). Species presence, percent cover, and community structure along with distance from shore, water depth, soil depth and type, salinity, and other parameters was also recorded. Epiphyte percent cover was recorded on the larger plant leaves and bay bottom at each plot. Data were analyzed by standard methods employed in earlier studies (Meeder et al. 1997).

Task 5 - Mangrove Transect Comparison

The Mangrove Transect Comparison was structured so as to provide information concerning nutrient inputs from mangrove forests in Biscayne Bay. The sampling area was selected based upon several criteria: 1) low range of ammonia concentration, 2) lack of known anthropogenic source of ammonia, and 3) similar type mangrove system as found at Black Point (narrow fringe with wide basin). Five sites were sampled: a upstream mostly freshwater distribution canal (DC) which was 640 m west of the coast and 300 m north of the Mowry Canal; a site east of DC in the mangrove fringe (TF); a site just offshore TF (TBB); a mangrove fringe site 500 m south of the Military Canal (CF); and a corresponding offshore site (CBB). At each site, surface water and soil or sediment were sampled and analyzed for nutrients as above on a monthly basis for one year.

RESULTS

Task 1 - Black Point Monitoring Program

Summary of results from the monthly Black Point Monitoring Program are shown in Table 1. For the period of record, salinity ranged from 0.02 – 39.7 psu; temperature from 20.9 – 31.6 ^{o}C, DO from 0.2 – 11.4 mg l^{-1}, pH from 6.90 – 8.78, NH_4^+ from 0.004 – 26.97 ppm, and NH_3 from 0.0 – 654 ppb. Additional nutrient values also showed large ranges: NO_3^{-2} from 0.002 – 0.415 ppm and TP from 0.002 – 0.94 ppm. These large ranges are indicative of terrestrial/groundwater nutrient loading to the canals and inshore areas of Biscayne Bay.

Monthly maps of NH_4^+ concentration plotted by station are presented in Figs. 3-14. Concentrations are on log scale because the range in data was so large. Highest NH_4^+ concentrations routinely occurred at Sta #12 which is directly downstream of the landfill. Sta. #12 also had highest DOC, NO_2^-, NH_3, SRP, and lowest DO levels. The median value of NH_3 at #12 was 122 ppb which may be toxic to some marine fish. However, the very low DO at the same site would also preclude much marine life from thriving in this area.

Differences among stations were shown as box-and-whisker plots (Fig. 15 & 16). The box-and-whisker plot is a powerful statistic which displays the median, range, and the shape of the data distribution. Water quality variable distributions are usually skewed to the right (non-normal) so it is more appropriate to use the median as the measure of central tendency. The central, horizontal line of the box is the median of the data, the top and bottom of the box are the 25th and 75th percentiles (quartiles), the ends of the whiskers are the 10th and 90th percentiles, and any points outside (<10th and >90th percentiles) may be considered outliers (suppressed in the graphs). The box-and-whisker plot also serves as a graphical, nonparametric ANOVA. The notch in the box is the 95% confidence interval of the median. When notches among boxes do not overlap, the medians may be considered significantly different.

Comparing the canal sites (#10, 11, 12, & 13) to the nearshore sites (#14 & 15) it becomes clear that the nearshore sites have higher salinity, pH, and a narrower range in nutrients. We should point out that station #14 was located in the water column above two groundwater wells in ~1 m of water. Water quality at this site may have been influenced by seepage from these wells as they had positive hydraulic pressure at all times of sampling. The shallow well had significantly higher NO_3^{-2} and lower salinity than the deep well (data not shown). From this we may imply that groundwater in the shallow well was derived more from surface water than the deep well, which has been previously confirmed by Meeder et al. (1997). Both wells had significant amounts of NH_4^+ present; generally an order of magnitude greater than un-impacted surface waters.

Task 2 - Black Point Monitoring Comparison

Statistical comparison of data from 1993 surveys with this study resulted in no significant difference ($P>0.05$) in water quality variables in the canals or nearshore (Fig. 17-20). Each station was treated separately using a Mann-Whitney U test; the nonparametric version of the two group unpaired *t*-test. What was noticeable was that the ranges in the data of the current study were larger than found in the previous study. This was probably the result of climactic influence such as higher rainfall in 1998-99. We can clearly say that there has been no measurable improvement in water quality between surveys.

Task 3 - Shoreline Nutrient Survey

This survey was conducted in April 1998 which happened to occur at the end of a very dry season. Salinity in southern Biscayne Bay was elevated in both nearshore and offshore areas (Fig. 21) as a result of this. Ammonium concentrations (Fig. 22) during this period were highest in the nearshore waters off Black Point (0.035 ppm), the Cutler Channel (0.148 ppm), and the Mowry Canal area (0.013 ppm). NH_3 was also elevated in these areas (Fig. 23) being 3.6, 2.4, 3.1 ppb, respectively. A very different distribution was observed for NO_3^{-2} (Fig. 24) with highest concentrations being found off the Cutler Channel (0.148 ppm) and very low levels found in the nearshore waters between Cutler Channel and Goulds Canal. A hot spot in TP (0.0519 ppm) was observed off Mangrove Key in extreme south Biscayne Bay (Fig 25). Otherwise, TP concentrations were very low (<0.015 ppm) throughout the Bay. TOC (Fig. 26) and TON (Fig. 27) showed similar high nearshore – low offshore gradients. Highest TOC (12.2 ppm) and TON (1.6 ppm) concentrations occurred off the mangroves between Cutler Channel and Goulds Canal. There was also a local increase in TON between Goulds and Military Canals.

Another interesting aspect of the Shoreline Nutrient Survey was the correspondence between sediment and water column nutrient levels. Figure 28 shows the NH_4^+ concentration in water and sediment along the coast from north to south. Levels of NH_4^+ in the sediments are approximately an order of magnitude higher than the water column and generally follow each other. This was also true for TP (Fig. 29) although the concentrations in sediment and water were different by only a factor of 3.

Interestingly, the area around Black Point which showed high NH_4^+ from the landfill had a corresponding depression in TP. This may be because of increased biological demand for P from the external supplement of N.

Task 4 - Shoreline Benthic Community Survey

Table 2 is a list of marine plant taxa reported in this study. Taxa were included only when found in more than three separate plots or if they occupied more than 2% of the area in a single plot. This criteria excluded numerous uncommon species that carry little ecological information at the community level supported by literature. Five angiosperms and 22 algal species were recorded. Filamentous algae were not further classified. Among the angiosperms, *Thalassia testudinum* and *Halodule wrightii*, were the most common, the others being found only at a few stations. *Thalassia* and *Halodule*, although abundant at most sites, did not share the same distribution or abundance patterns from north to south (Fig. 30). Minor amounts of *Halodule* were found throughout the study area with a general increase in abundance from south to north. The inverse was true with *Thalassia* abundance, which generally increased in abundance in the southerly direction. The red algae group was also more abundant in the south. *Penicillus* and most other calcareous green species displayed the same distributional pattern as *Thalassia*. Some fast growing green algae species (*Acetabularia*) did not exhibit obvious trends in distribution or abundance. Filamentous algae was not taxonomically subdivided further but was reported as percent cover as an epiphyte. Generally, either filamentous algae cover was low (less than 20% of available substrate) or significant (over 80% of available cover). Filamentous algae cover was highest in the area between Black Point and the Mowry Canal with minor hot spots located near other canal mouths.

A break in *Thalassia* distribution occurred at the Goulds Canal/Black Point Area. For several km south, no *Thalassia* was reported but abundant *Halodule* was found in its place (Fig. 29).

The break in *Thalassia* was also associated with changes in distribution of other marine plants. An unknown green species, brown algae, and other noncalcareous green species increased in abundance where *Thalassia* was not present.

The break in *Thalassia* cover may have been partly due to salinity. Salinity during the survey increased dramatically from north to south (Fig. 31), however, highest *Thalassia* densities occurred in the areas experiencing hypersaline conditions. Variability in salinity may have been important to mortality of *Thalassia* but salinity in the area between Goulds and Military Canals is not as variable as it is off the Mowry Canal (Boyer, unpublished data). The only other water quality variable which may have influenced *Thalassia* was NH_4^+ (Fig. 32). The nearshore area between Goulds and Military Canals has the highest concentrations of NH_4^+ in the water column and sediments of any site in this study. It was more likely that chronic inputs of NH_4^+ were responsible for *Thalassia* loss.

Task 5 - Mangrove Transect Comparison

Data were analyzed using the nonparametric Mann-Whitney U Test which is comparable to an unpaired *t* Test. Some general trends were observed which are best visualized in Fig. 33. The distribution channel (DC) was not a source of NO_3^{-2}, NH_4^+, TP, or SRP to the mangroves. However, DC was a significant source of Chl *a* and TOC to the mangrove fringe. The mangrove fringe itself was a source of TP, SRP, and possibly NH_4^+ to the Bay. The Bay itself was a source of NO_3^{-2} to the mangrove fringe.

Nutrient concentrations in the mangrove fringe sites (TF and CF) were not significantly different from each other ($P>0.10$) so they could be pooled and treated as being representative of the mangrove fringe in Biscayne Bay. However, we did not do this as the Bay sites had some significant differences – NH_4^+ and TOC were slightly higher at CBB and NO_3^{-2} was lower. Most important was the finding that although NH_4^+ concentrations are high in mangroves, a significant portion of that may be derived from upland drainage.

DISCUSSION

The Black Point Monitoring Program showed that nutrient concentrations (especially ammonium were elevated in the canals adjacent to the landfill. The median value of unionized ammonia at Station 12 was 122 ppb which may be toxic to some marine fish. However, the very low dissolved oxygen at the same site would also preclude much marine life from thriving in this area.

The Black Point Monitoring Comparison was performed by statistical comparison of data from 1993 surveys with this study. We found no difference in water quality in the canals or nearshore area between the two studies. From this we can clearly state that there has been no measurable, beneficial effect of remediation activities on the water quality of the Black Point area.

The Shoreline Nutrient Survey showed that ammonium concentrations were highest in the nearshore waters off Black Point, the Cutler Channel, and the Mowry Canal area. A very different distribution was observed for nitrate where highest concentrations were found off the Cutler Channel and very low levels found in the nearshore waters between Cutler Channel and Goulds Canal. A hot spot in total phosphorus was observed off Mangrove Key in extreme south Biscayne Bay. Another interesting aspect was the correspondence between sediment and water column nutrient levels. Levels of ammonium in the sediments are approximately an order of magnitude higher than the water column and generally follow each other. This was also true for total phosphorus although the concentrations in sediment and water were different by only a factor of 3.

Submerged aquatic plant communities respond to nutrient loading by the replacement of slow growing with faster growing species and finally by phytoplankton (Duarte 1995). In many South Florida water bodies heavy epiphytic algae growth replaces phytoplankton, with the same end result. In many cases, the indirect effect of faster growing species dominance is additional stress on the slower growing species by shading or light exclusion (Orth and Moore 1983). *Thalassia* is replaced by *Halodule* in seagrass areas with increases nutrient loading (Powell et al 1991; Fourquerean et al 1995). In other studies *Zostera marina* and *Ruppia* were replaced by faster growing green algae species

The distribution of *Thalassia* and other aquatic vegetation have been linked to groundwater discharge in Biscayne Bay (Kohout and Kolipinski 1967; Meeder et al 1996) and other regions such as Yucatan, Mexico (Herrera-Silveira 1994) and Australia (Johannes 1980). Meeder et al (1997) found that *Thalassia* was not abundant in areas receiving groundwater discharge. This area was from the shoreline to 400 m offshore in the area between the Military and Mowry Canals. Benthic community distribution influenced by groundwater discharge usually form bands parallel to the shoreline and the effects of groundwater discharge usually decrease exponentially with distance offshore. However, the major source of western Biscayne Bay nutrient loading is canal discharge.

Canal discharge varies more in both nutrient concentration levels and discharge volumes seasonally than does groundwater. Because most canal discharge occurs during the rainy season with prevailing southerly or southeasterly winds canal waters most frequently pile up along the western shore of Biscayne Bay. Therefore low salinity, nutrient rich canal water is held along the shoreline. The effects of this pattern of freshwater canal discharge is hard to separate from the groundwater discharge pattern in terms of nearshore benthic community structure and

productivity (Meeder et al 1997). The nutrient loading of both canal and ground water is significant.

Although ammonia toxicity or increased nutrient concentration may be responsible for the lack of *Thalassia* and slower growing algae species in the vicinity of Black Point our data does not unequivocally support this relationship. Our data does support a more than causal relationship between high NH_4^+ concentration with the lack of *Thalassia*, however, the nutrient levels may be a surrogate of other causes. For example, both high NH_4^+ and nutrient concentrations are related to freshwater delivery to the bay via canal and groundwater, which may carry other agents acting alone or synergistically with NH_4^+ and nutrients to cause toxic or unfavorable conditions for *Thalassia* and other slow growing plants. In addition, salinity characteristics may also play a role in *Thalassia* competition.

Thalassia responds best to normal marine salinities. Salinities too high or too low or a rapidly changing salinity regime produce stress to *Thalassia* that frequently favors other species. Historically the northern portion of Biscayne Bay was much more estuarine in nature but has maintained near marine salinities since the opening of Haulover Cut and dredging of Miami River-Government Cut Channels which permit rapid freshwater discharge mixing and export. Northern Biscayne Bay also has more frequent high turbidity periods which affects light availability, especially in deeper portions of the Bay (Harlem 1979). The southern part of the Bay is less well flushed, perhaps, but has much less freshwater discharge. This is especially true south of North Canal. In this region salinities are always near marine conditions and can become slightly hypersaline during extended dry periods such as during our April sampling period. Normally *Thalassia* abundance increases from north-to-south because of more continuous near marine salinity and low turbidity levels in Southern Biscayne Bay. This trend is apparent when plotting salinity vs *Thalassia* abundance (Fig. 30). The break in the trend is obviously not soley the result of salinity.

The major purpose of the funding for this project was to determine if NH_4^+ levels were elevated enough in the waters and soils of nearshore Biscayne Bay to produce toxic affects on *Thalassia*. Previously the relationship between *Thalassia* distribution and salinity and nutrient concentrations were discussed with the conclusion that the competitive advantage of fast growing species over slow growing species and the resulting light competition can adequately explain the lack of *Thalassia* along the North-to-south study gradient. However, a close examination of the relationship between NH_4^+ concentration and *Thalassia* abundance indicates that in areas of NH_4^+ concentrations greater than 0.015 ppm excludes *Thalassia*. However, in these areas other nutrients except TP are also quite elevated and therefore NH_4^+ alone cannot be.implicated.

The Mangrove Transect Comparison showed that the mangrove fringe was a source of total phosphorus and possibly some ammonium to the Bay, but not as much as suspected. The Bay itself was a source of nitrate to the mangrove fringe. NH_4^+ levels in nearshore Biscayne Bay and in the coastal mangrove soils are often quiet high for normal surface waters but probably do not in themselves produce toxicity. One reason for the high concentrations may be groundwater inputs. Anaerobic groundwater contains high levels of NH_4^+ especially the shallow groundwater around the Black Point landfill. High discharge rates of 1-3 $l\ hr^{-1}\ m^{-2}$ (Meeder et al. 1997) may supply a significant and unrecognized N load to the Bay.

CONCLUSIONS

Freshwaters reaching nearshore Biscayne Bay contains numerous nutrients, metals, hydrocarbons, pesticides, and herbicides from anthropogenic sources. We have quantified nutrients with particular attention to NH_4^+. Our results indicate a strong correlation between elevated ammonium concentrations with 1) decreased abundance of *Thalassia*, 2) increased abundance of *Halodule* and fast growing algae species, and 3) the increase in filamentous algal cover.

The high salinities encountered during this study are associated with a very dry winter. Therefore, the effects of canal inputs on ambient nutrient concentrations are minimal during this period. The elevated nutrient levels observed should be considered a chronic condition. Conclusions can not be made that ammonia toxicity is solely responsible for the loss of *Thalassia* and other slower growing algae.

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Table 1. Water quality variable statistics.

VARIABLE	STA	MEDIAN	MIN.	MAX.	*n*
Surface	10	0.20	0.02	1.00	12
Salinity	11	12.00	2.20	27.10	12
(psu)	12	11.91	1.40	29.10	12
	13	7.80	0.20	26.10	12
	14	22.40	5.30	37.50	8
	15	26.45	19.20	39.70	12
	16	5.00	0.70	23.40	3
	17	3.30	3.30	3.30	1
Bottom	10				
Salinity	11	20.10	12.40	37.20	11
(psu)	12	16.40	4.00	33.70	10
	13	19.90	4.80	36.70	12
	14	23.60	11.80	38.00	7
	15	26.75	19.30	39.70	12
	16				
	17				
Surface	10	25.95	23.30	29.60	12
Temperature	11	25.90	21.40	30.40	12
(^{o}C)	12	24.80	23.40	31.60	11
	13	25.95	21.90	30.40	12
	14	25.45	21.40	30.70	8
	15	25.35	20.90	31.50	12
	16	22.05	22.00	22.10	2
	17	21.80	21.70	21.90	2
Bottom	10				
Temperature	11	24.10	20.90	29.80	10
(^{o}C)	12	25.05	22.90	28.50	10
	13	25.25	23.30	31.20	12
	14	23.80	21.40	30.70	7
	15	25.35	21.00	31.50	12
	16				
	17				
Surface	10	5.70	1.10	8.10	12
Dissolved	11	4.75	1.10	6.80	12
Oxygen	12	3.80	0.40	5.90	11
(mg l^{-1})	13	4.95	1.00	7.30	12
	14	5.30	2.70	11.20	8
	15	6.90	3.80	8.10	12
	16	3.50	1.90	5.10	2
	17	3.35	2.30	4.40	2

VARIABLE	STA	MEDIAN	MIN.	MAX.	*n*
Bottom	10				
Dissolved	11	5.00	2.10	8.70	10
Oxygen	12	2.50	0.20	6.60	10
(mg l^{-1})	13	4.55	1.20	6.80	12
	14	5.70	2.70	11.40	7
	15	7.15	4.80	11.20	12
	16				
	17				
pH	10	7.815	7.397	8.229	11
	11	7.860	7.109	8.370	11
	12	7.800	6.900	8.590	11
	13	7.870	7.100	8.350	11
	14	8.120	7.300	8.463	7
	15	8.370	6.971	8.780	9
	16	7.985	7.500	8.303	4
	17	8.074	7.854	8.500	4
Total	10	4.040	3.141	13.250	12
Organic	11	6.137	3.717	17.010	12
Carbon	12	8.663	4.797	26.358	12
(ppm)	13	6.540	3.813	9.611	12
	14	6.512	4.974	10.102	9
	15	4.990	3.626	7.947	11
	16	11.471	5.274	16.337	4
	17	18.503	6.899	27.450	3
NO_2^-	10	0.0070	0.0010	0.0290	12
(ppm)	11	0.0100	0.0020	0.0300	12
	12	0.0280	0.0080	0.1030	12
	13	0.0110	0.0020	0.0320	12
	14	0.0040	0.0020	0.0280	9
	15	0.0100	0.0010	0.0510	12
	16	0.0050	0.0030	0.0350	4
	17	0.0060	0.0040	0.0180	3
NO_3^{-2}	10	0.2020	0.0190	0.4120	12
(ppm)	11	0.1090	0.0090	0.4150	12
	12	0.1230	0.0040	0.3870	12
	13	0.1290	0.0140	0.3690	12
	14	0.0950	0.0020	0.1950	9
	15	0.0620	0.0000	0.3380	12
	16	0.0410	0.0340	0.0820	4
	17	0.0300	0.0020	0.0310	3

VARIABLE	STA	MEDIAN	MIN.	MAX.	*n*
NH_4^+	10	0.0550	0.0170	0.3530	12
(ppm)	11	0.2190	0.0970	0.6720	12
	12	3.2650	0.2220	26.9730	12
	13	0.1760	0.1030	0.7520	12
	14	0.2110	0.0110	0.5150	9
	15	0.0420	0.0040	0.1350	12
	16	0.1130	0.0790	0.4810	4
	17	0.0470	0.0370	0.0480	3
NH_3	10	0.00	0.00	0.02	12
(ppb)	11	0.01	0.00	0.04	12
	12	0.11	0.00	0.65	12
	13	0.01	0.00	0.04	12
	14	0.01	0.00	0.03	9
	15	0.00	0.00	0.01	12
	16	0.00	0.00	0.04	4
	17	0.00	0.00	0.00	2
Soluble	10	0.0040	0.0010	0.3060	12
Reactive	11	0.0030	0.0000	0.0280	12
Phosphorus	12	0.0040	0.0010	0.1120	12
(ppm)	13	0.0030	0.0000	0.0190	12
	14	0.0030	0.0000	0.0340	9
	15	0.0020	0.0000	0.1370	12
	16	0.0020	0.0002	0.0620	4
	17	0.0030	0.0004	0.0060	3
Total	10	0.0110	0.0040	0.3230	11
Phosphorus	11	0.0100	0.0030	0.0420	11
(ppm)	12	0.0110	0.0020	0.0300	11
	13	0.0080	0.0020	0.0150	10
	14	0.0080	0.0040	0.0200	8
	15	0.0050	0.0020	0.0170	11
	16	0.0240	0.0060	0.9400	4
	17	0.0120	0.0060	0.0140	3
Total	10	0.2970	0.2060	0.7020	12
Organic	11	0.3910	0.0860	0.6080	12
Nitrogen	12	0.0370	0.0240	0.8570	12
(ppm)	13	0.3180	0.1420	0.5890	12
	14	0.3560	0.1320	1.2040	9
	15	0.3270	0.1790	0.5370	12
	16	0.5660	0.2790	1.4580	4
	17	0.8470	0.3310	1.9860	3

VARIABLE	STA	MEDIAN	MIN.	MAX.	*n*
$Si(OH)_4$	10	1.1840	1.1840	1.1840	2
(ppm)	11	0.6540	0.6540	0.6540	2
	12	0.3370	0.3370	0.3370	2
	13	0.7390	0.7390	0.7390	2
	14				
	15	0.0780	0.0780	0.0780	2
	16				
	17				

Table 2. List of benthic plant taxa.

BENTHIC PLANT SPECIES
ANGIOSPERMS
Halodule wrightii
Halophila engelmannii
Ruppia maritma
Syringodium filiforme
Thalassia testudinum
CHLOROPHYTA
Acetabularia crenulata
Anadyomene stellata
Avrainvillea nigricans
Batophora oerstedia
Caulerpa mexicana
Caulerpa racemosa
Caulerpa vertcillata
Halimeda incrassata
Halimeda opuntia
Halimeda simulans
Penicillus capitatus
Rhipocephalus phoenix
Udotea flabellum
Ulva lactuca
PHAEOPHYTA
Dictyota cf crenulata
Rosenvingea sanctae-crusis
Sargassum filipendula
RHODOPHYTA
Acanthophora specifera
Chondria littoralis
Hypnea cornuta
Hypoglossum involvens
Laurencia intricata

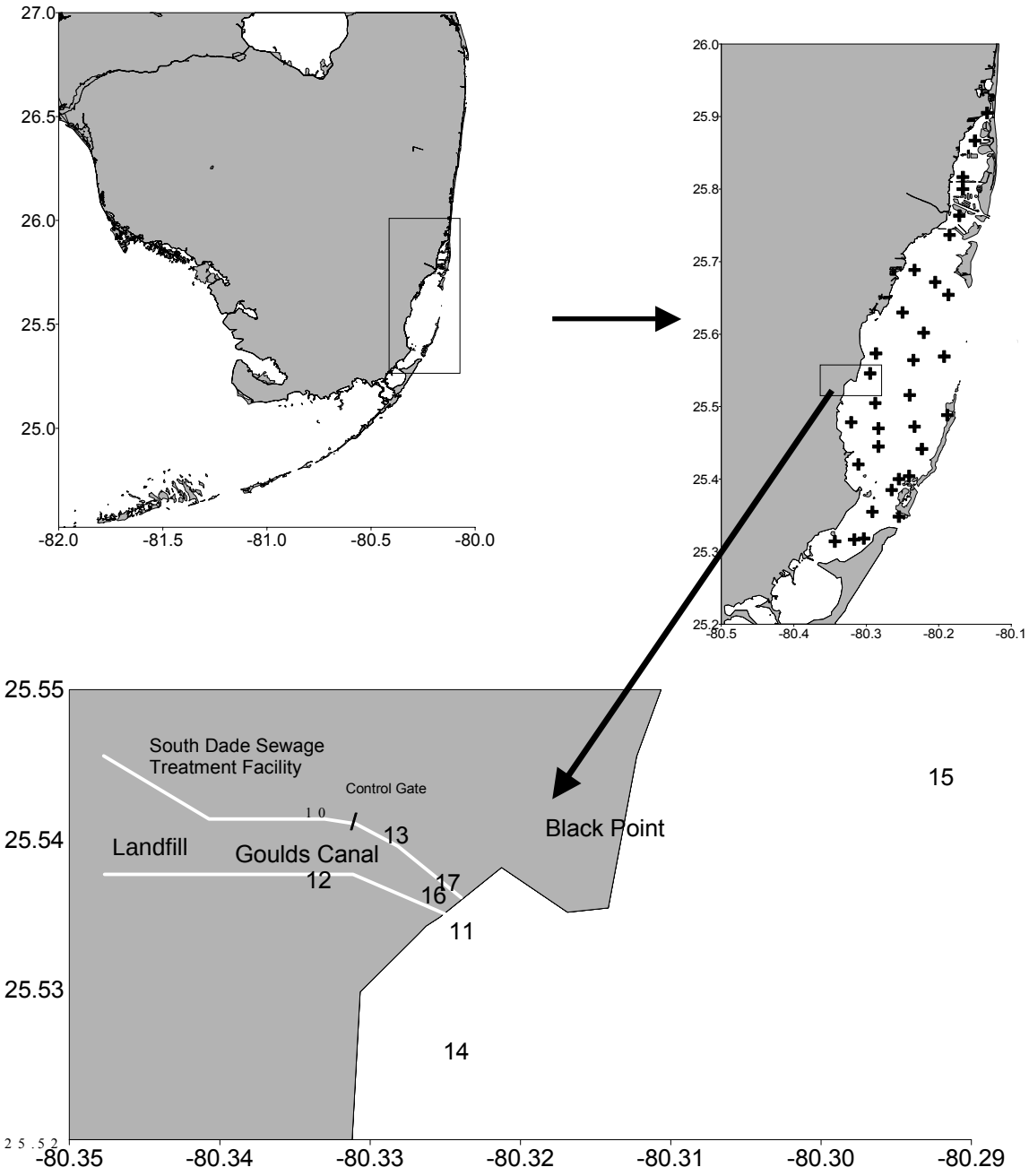


Figure 1. Map of Black Point Monitoring Program sampling sites in relation to FIU Biscayne Bay water quality monitoring program (+) and South Florida ecosystem.

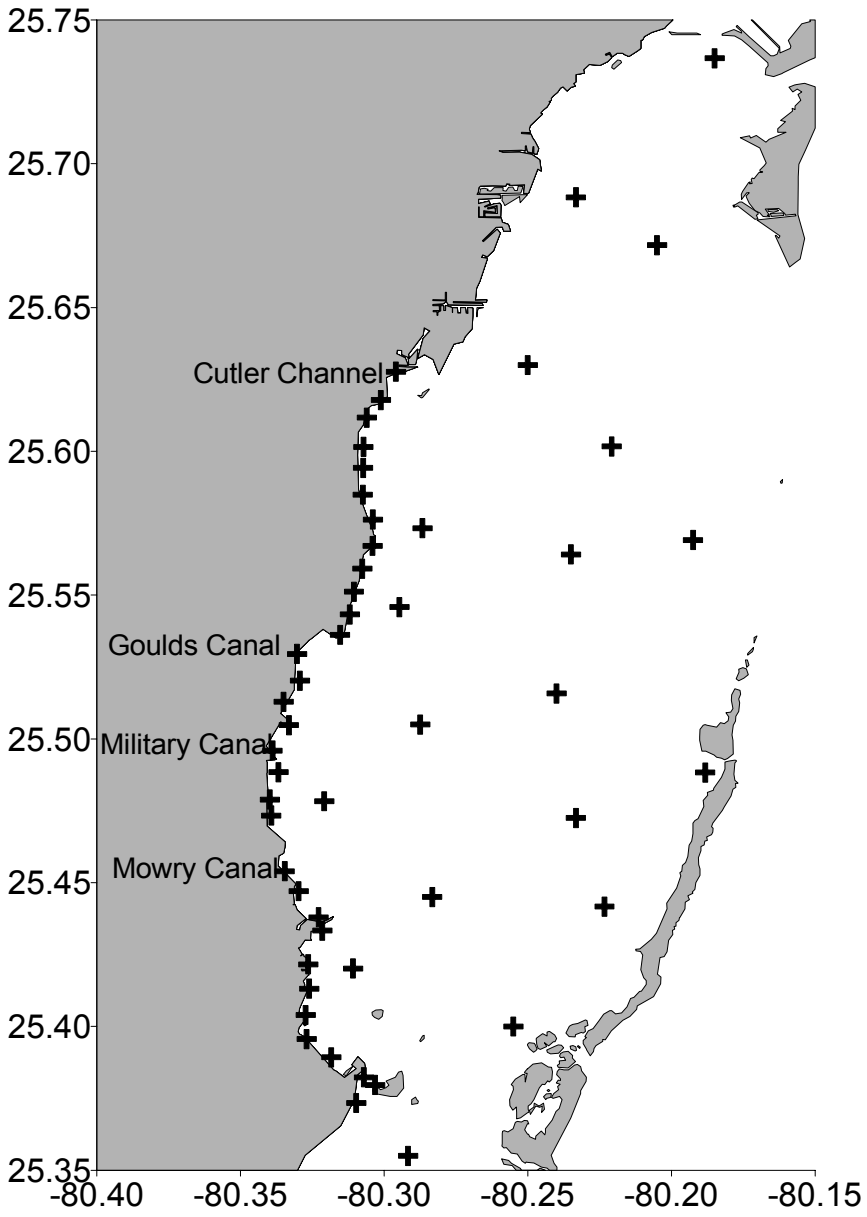


Figure 2. Locations of Shoreline Ammonia Survey sites in relation to FIU Biscayne Bay water quality monitoring program and major canals.

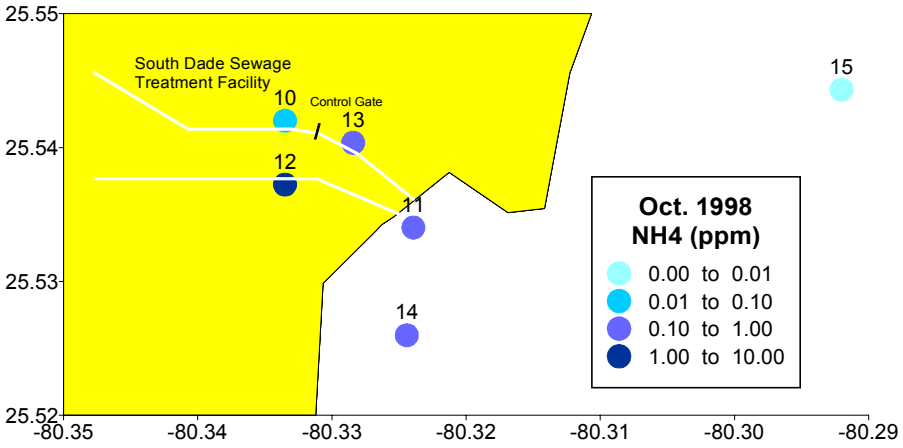


Figure 3. Map of NH_4^+ concentrations at landfill sites in Oct. 1998.

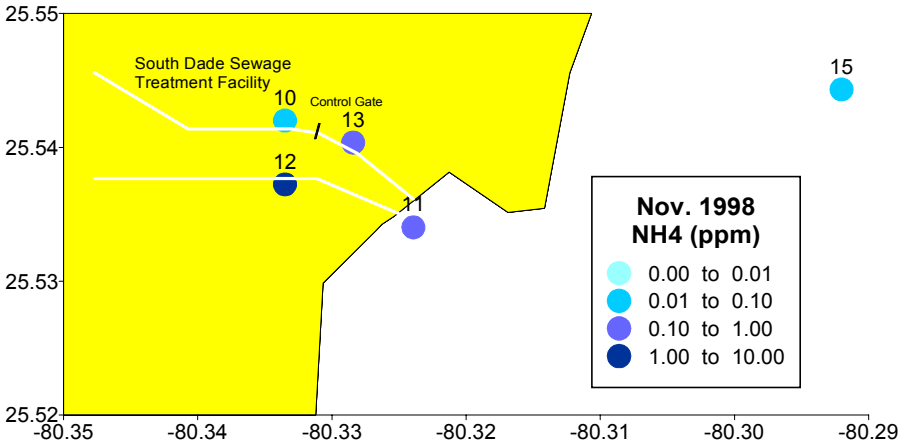


Figure 4. Map of NH_4^+ concentrations at landfill sites in Nov. 1998.

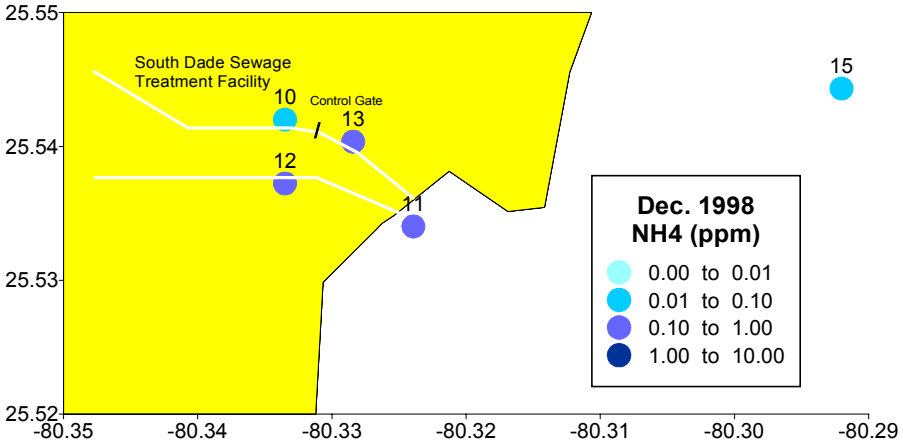


Figure 5. Map of NH_4^+ concentrations at landfill sites in Dec. 1998.

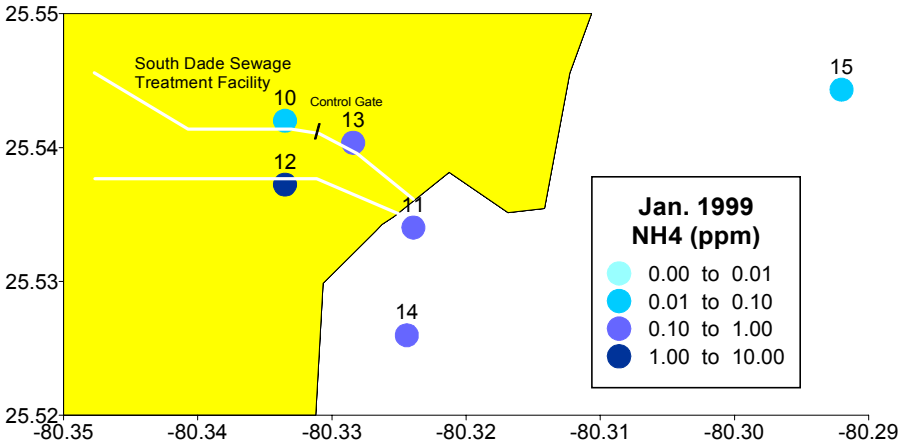


Figure 6. Map of NH_4^+ concentrations at landfill sites in Jan. 1999.

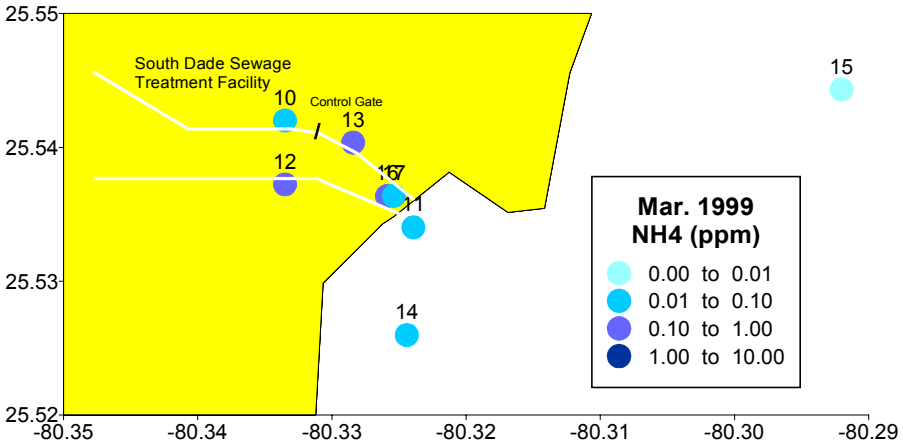


Figure 7. Map of NH_4^+ concentrations at landfill sites in Mar. 1999.

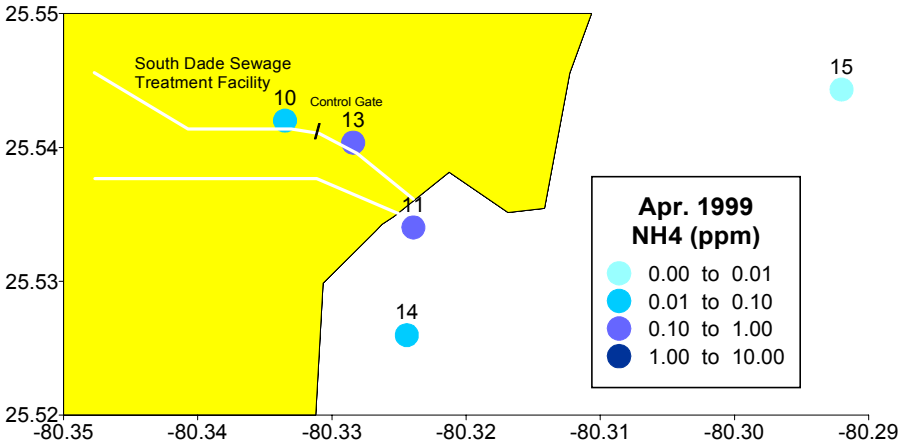


Figure 8. Map of NH_4^+ concentrations at landfill sites in Apr. 1999.

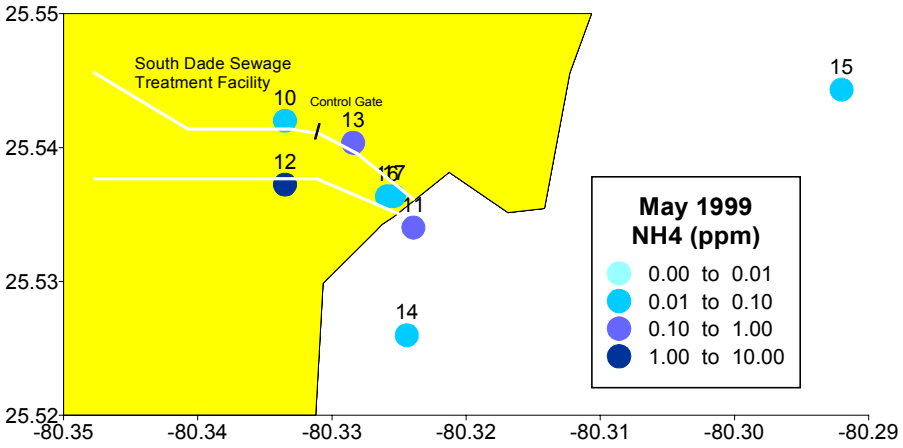


Figure 9. Map of NH_4^+ concentrations at landfill sites in May 1999.

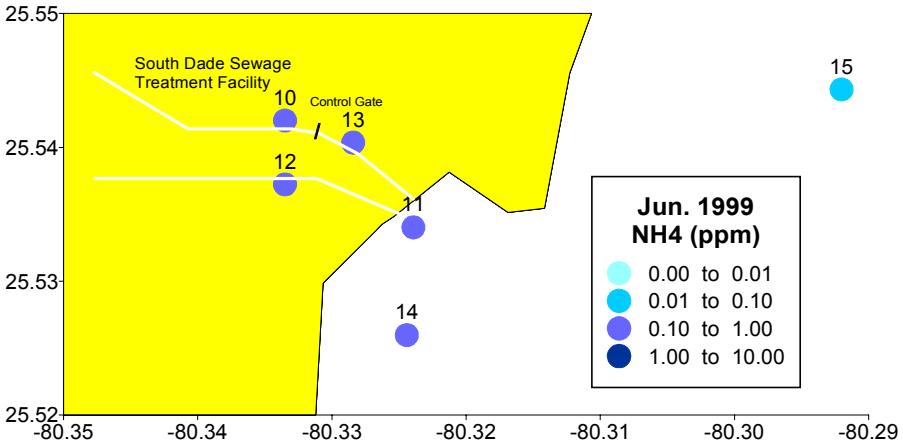


Figure 10. Map of NH_4^+ concentrations at landfill sites in Jun. 1999.

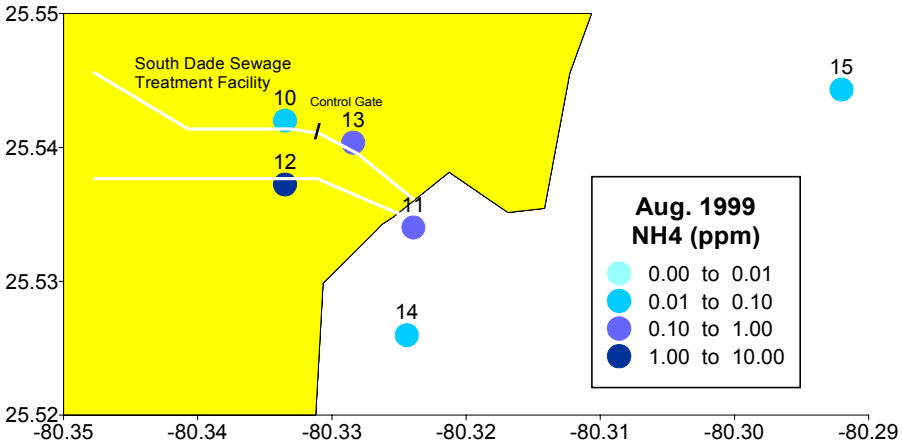


Figure 11. Map of NH_4^+ concentrations at landfill sites in Aug. 1999.

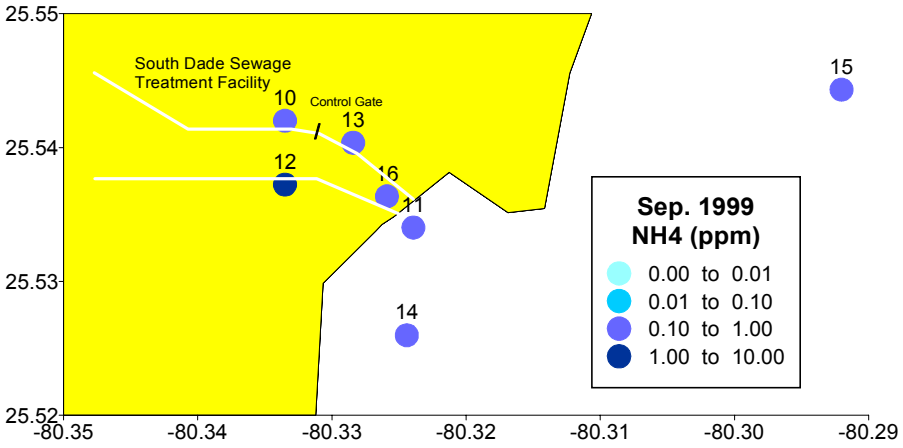


Figure 12. Map of NH_4^+ concentrations at landfill sites in Sep. 1999.

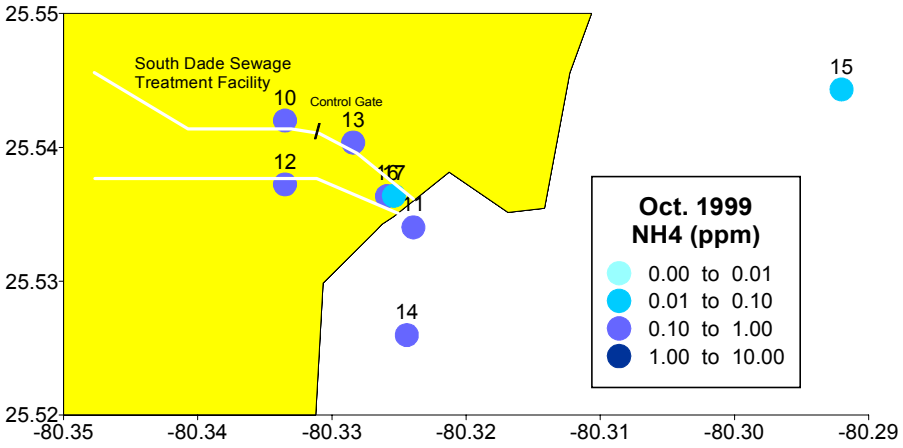


Figure 13. Map of NH_4^+ concentrations at landfill sites in Oct. 1999.

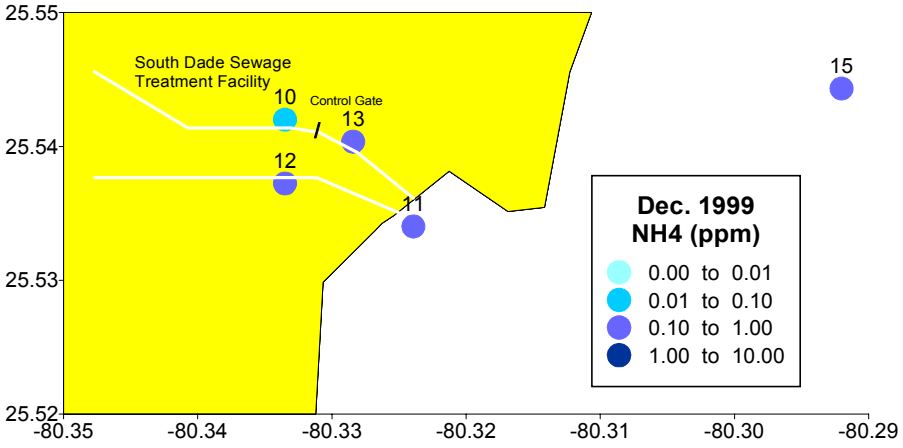


Figure 14. Map of NH_4^+ concentrations at landfill sites in Dec. 1999.

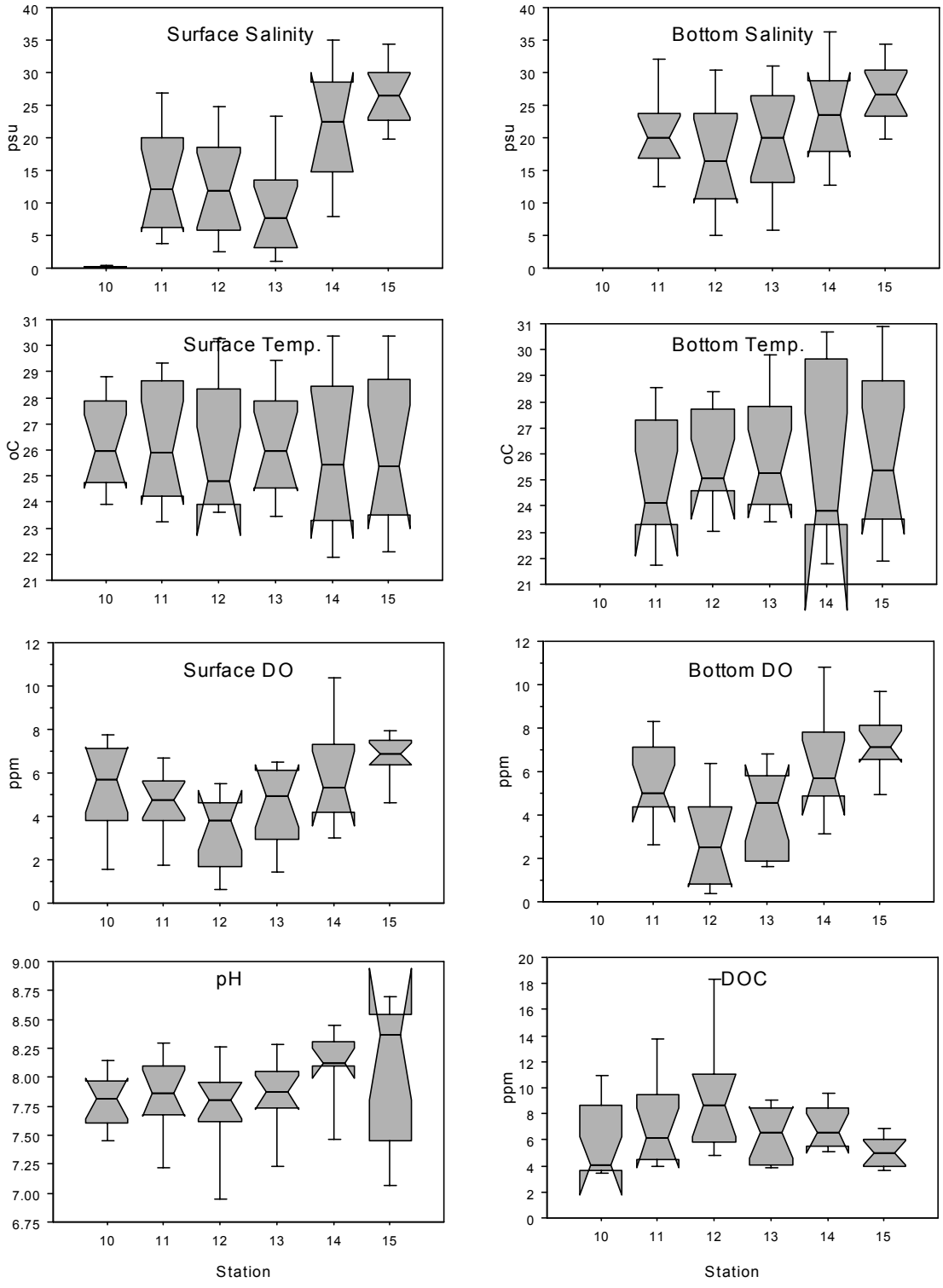


Figure 15. Box-and-whisker plots of water quality variables by station in the landfill canals.

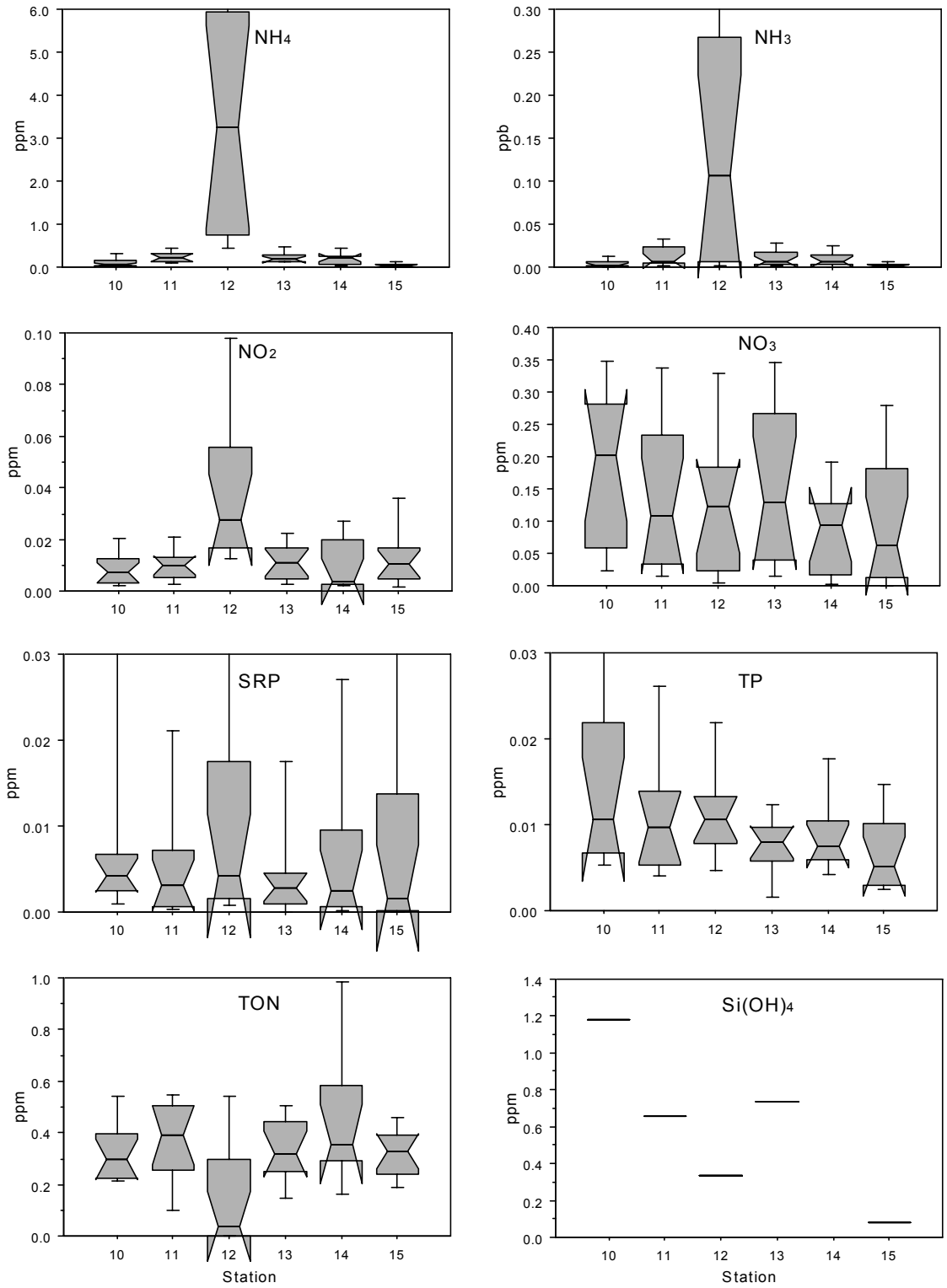


Figure 16. Box-and-whisker plots of water quality variables by station in the landfill canals.

Station 11

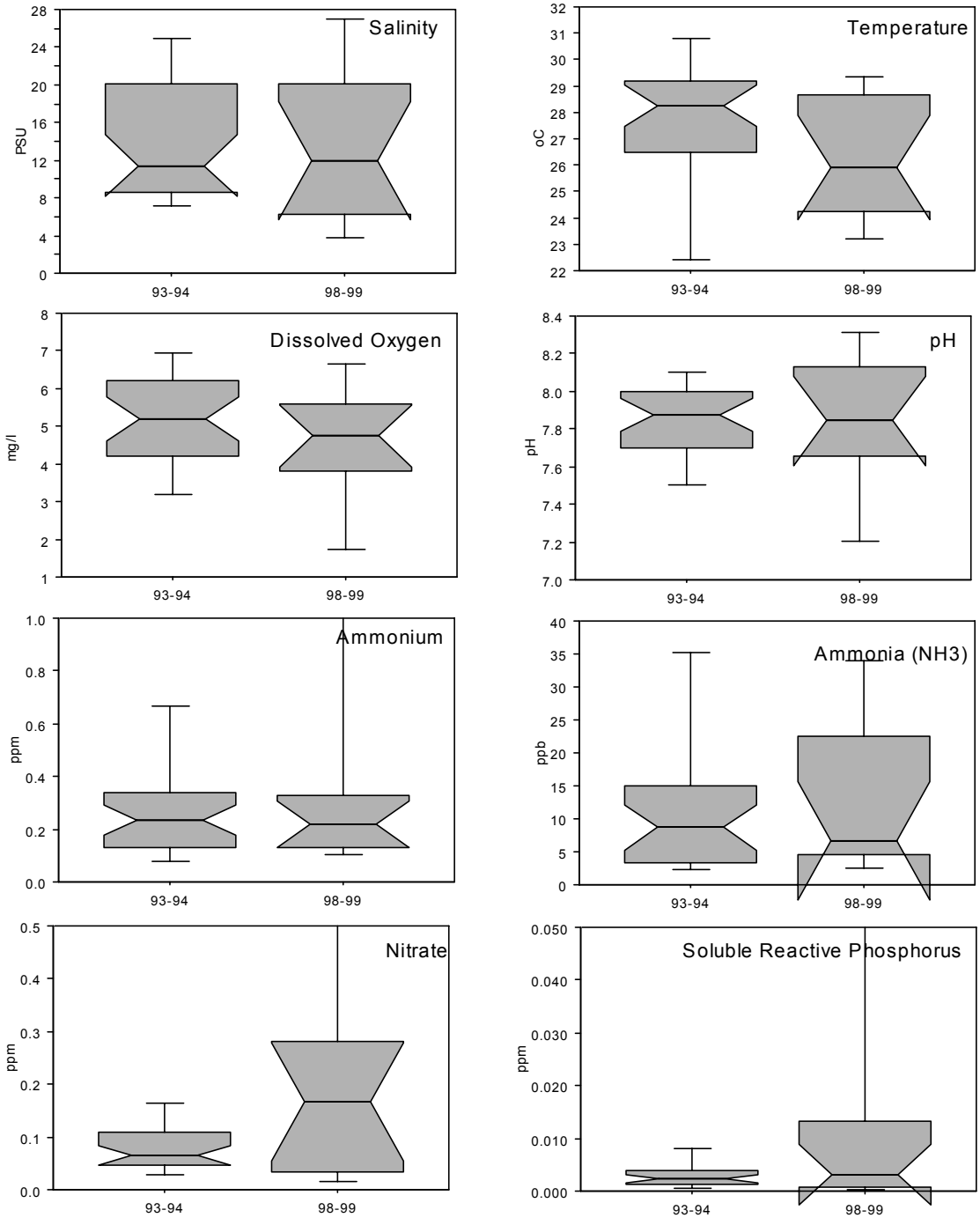


Figure 17. Comparison of landfill water quality variables from 1994 and current study.

Station 12

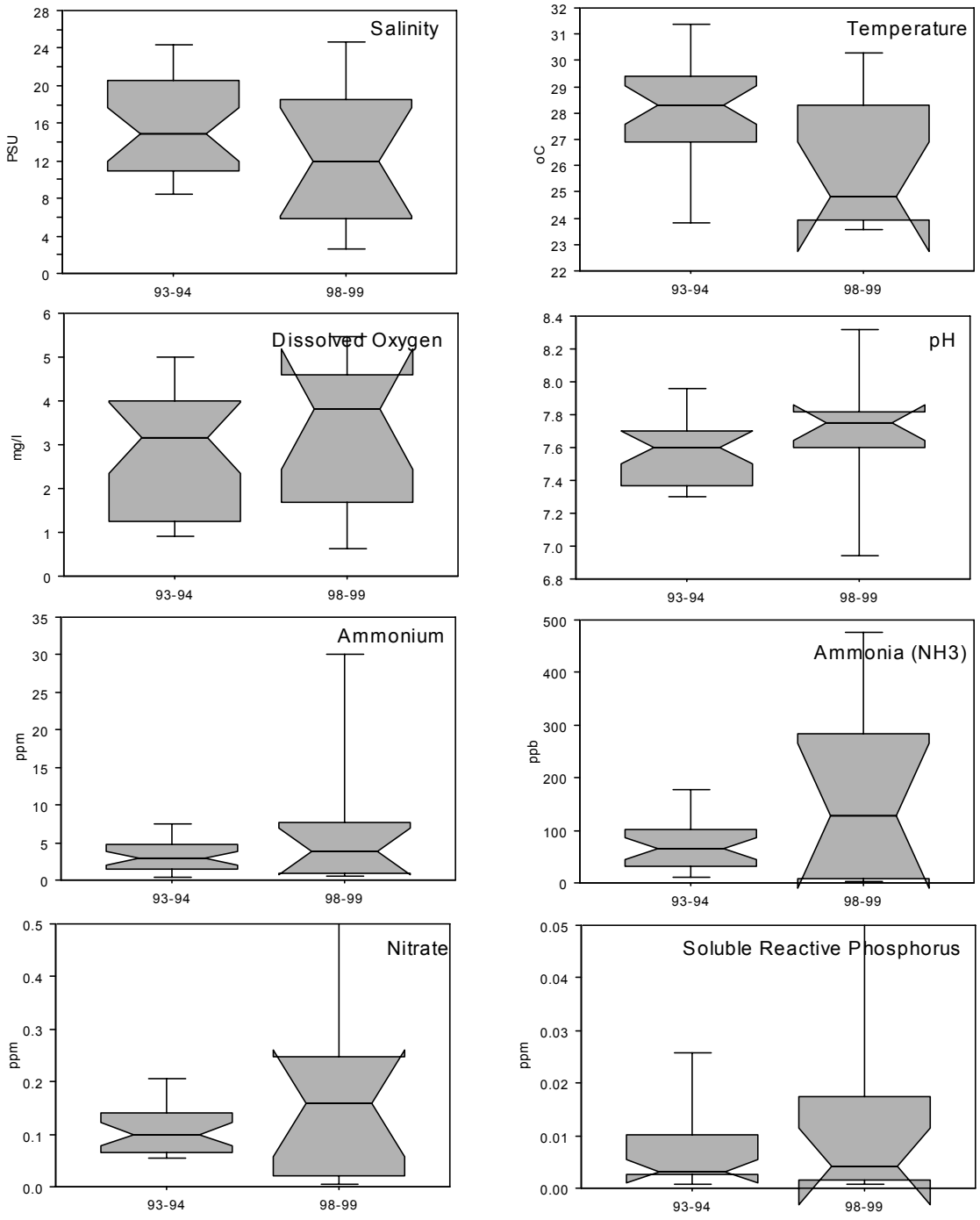


Figure 18. Comparison of landfill water quality variables from 1994 and current study.

Station 13

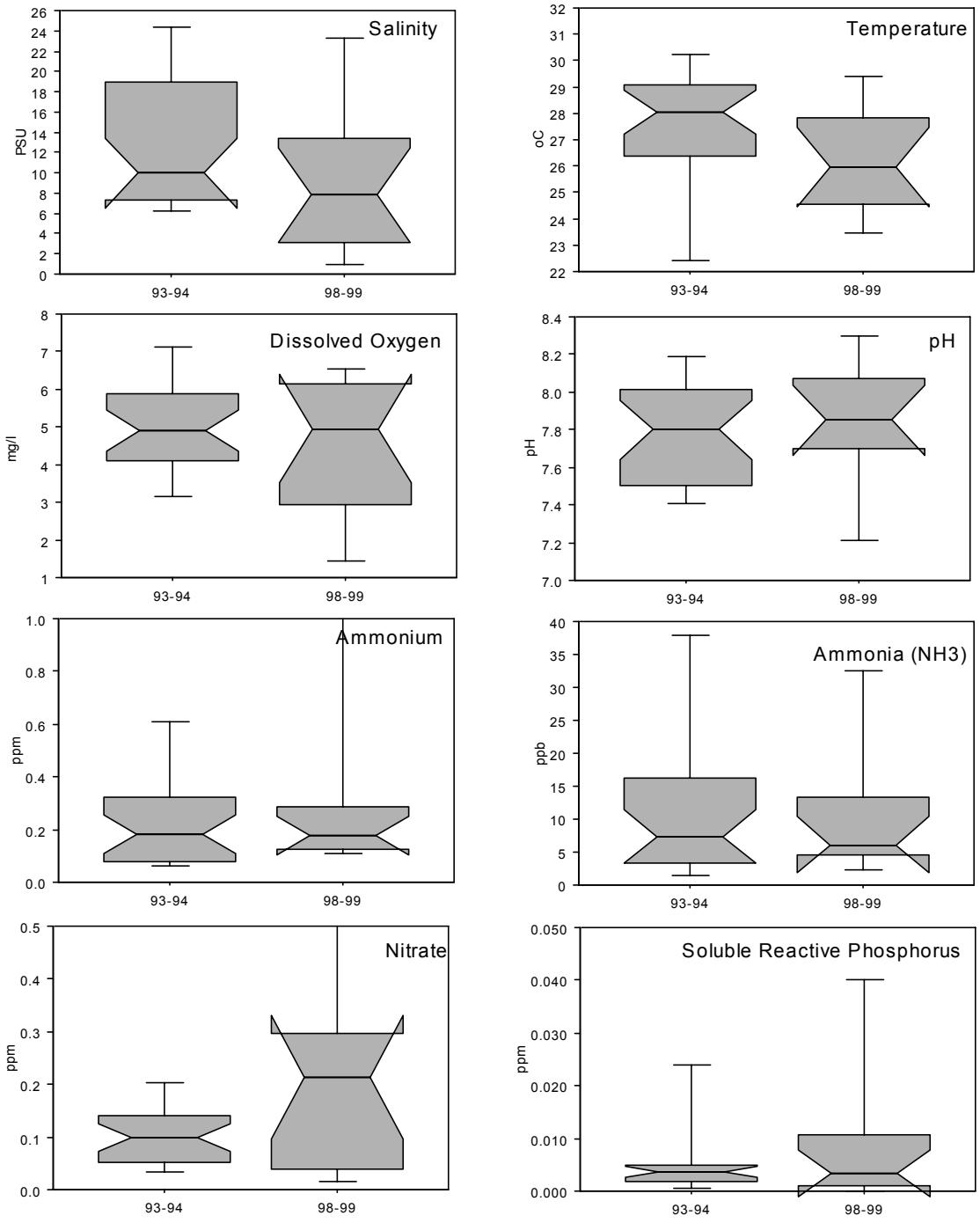


Figure 19. Comparison of landfill water quality variables from 1994 and current study.

Station 15

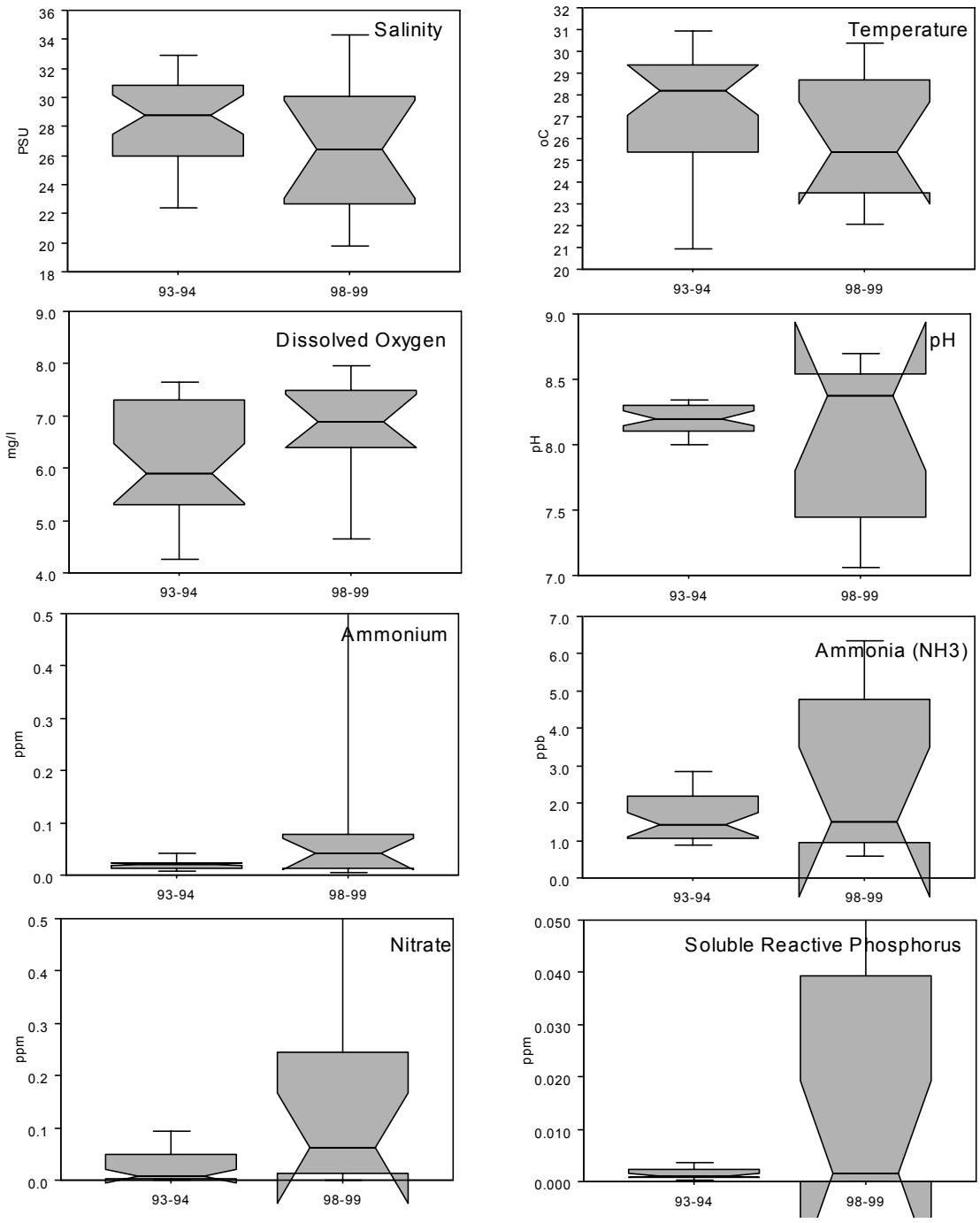


Figure 20. Comparison of landfill water quality variables from 1994 and current study.

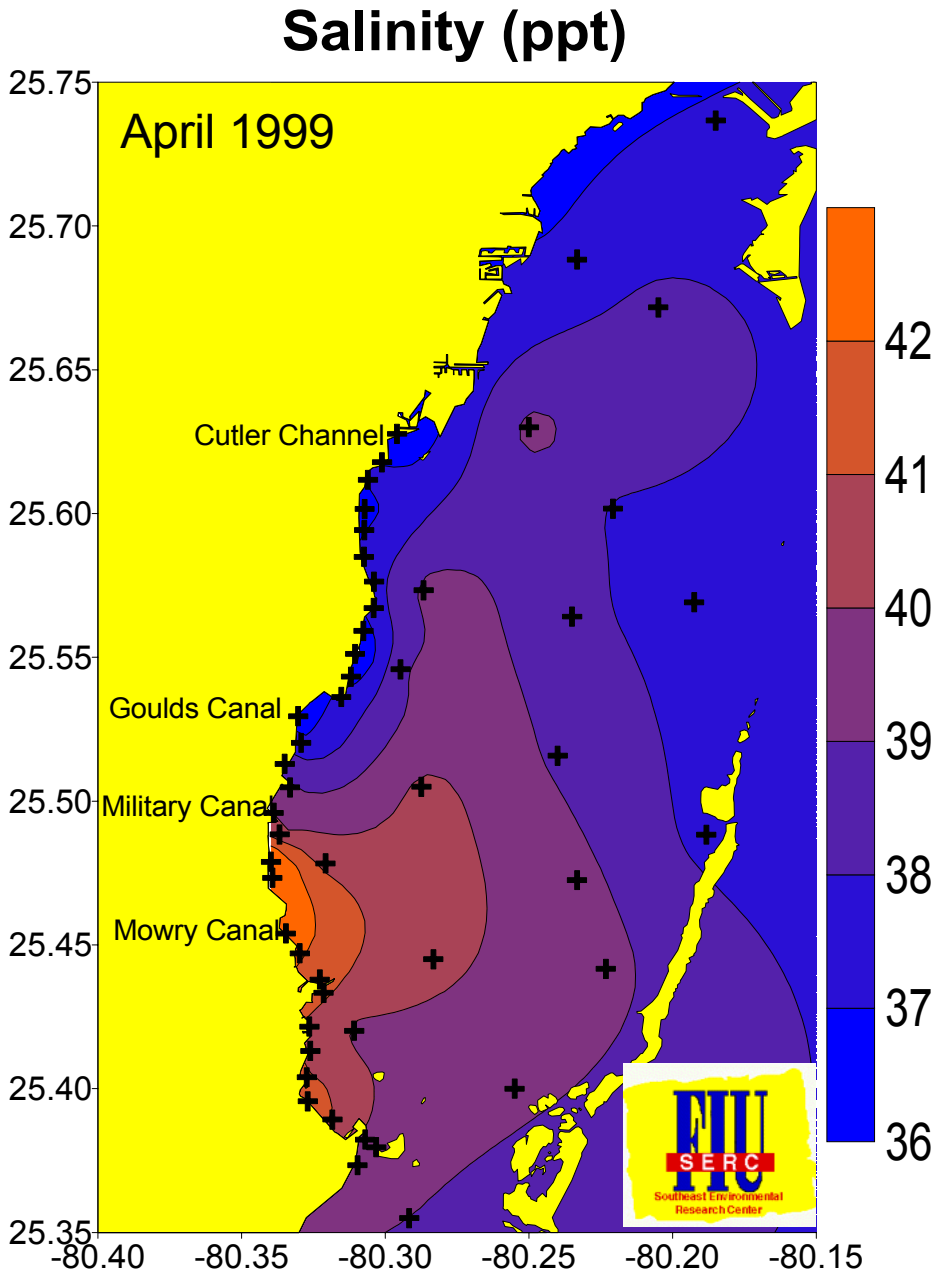


Figure 21. Salinity data from combined Shoreline Ammonia Survey and April 1999 FIU Biscayne Bay water quality monitoring program. Note hypersaline conditions in the south below Military Canal.

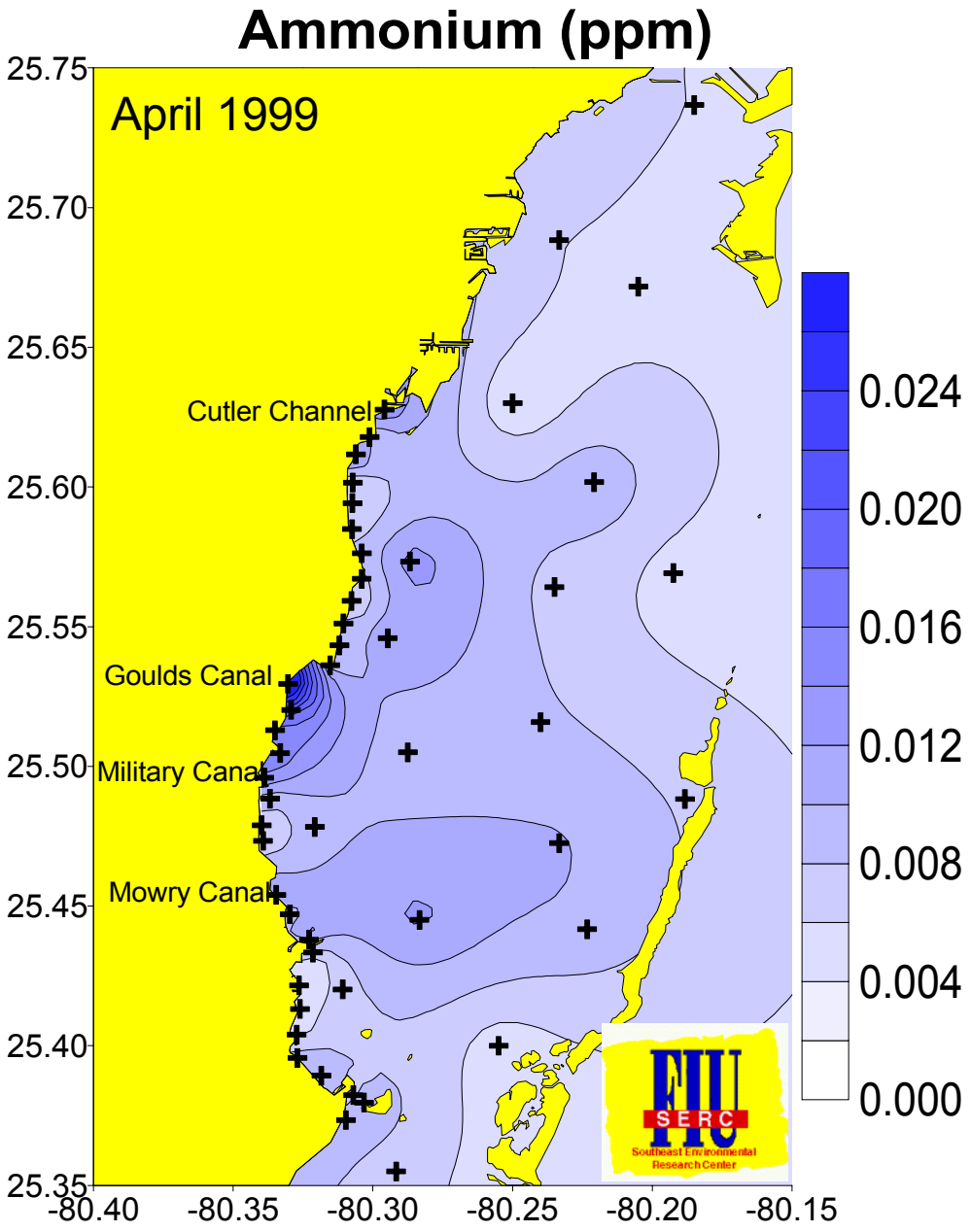


Figure 22. Ammonium data from combined Shoreline Ammonia Survey and April 1999 FIU Biscayne Bay water quality monitoring program. Note strong source in and around the Goulds Canal/Black Point area.

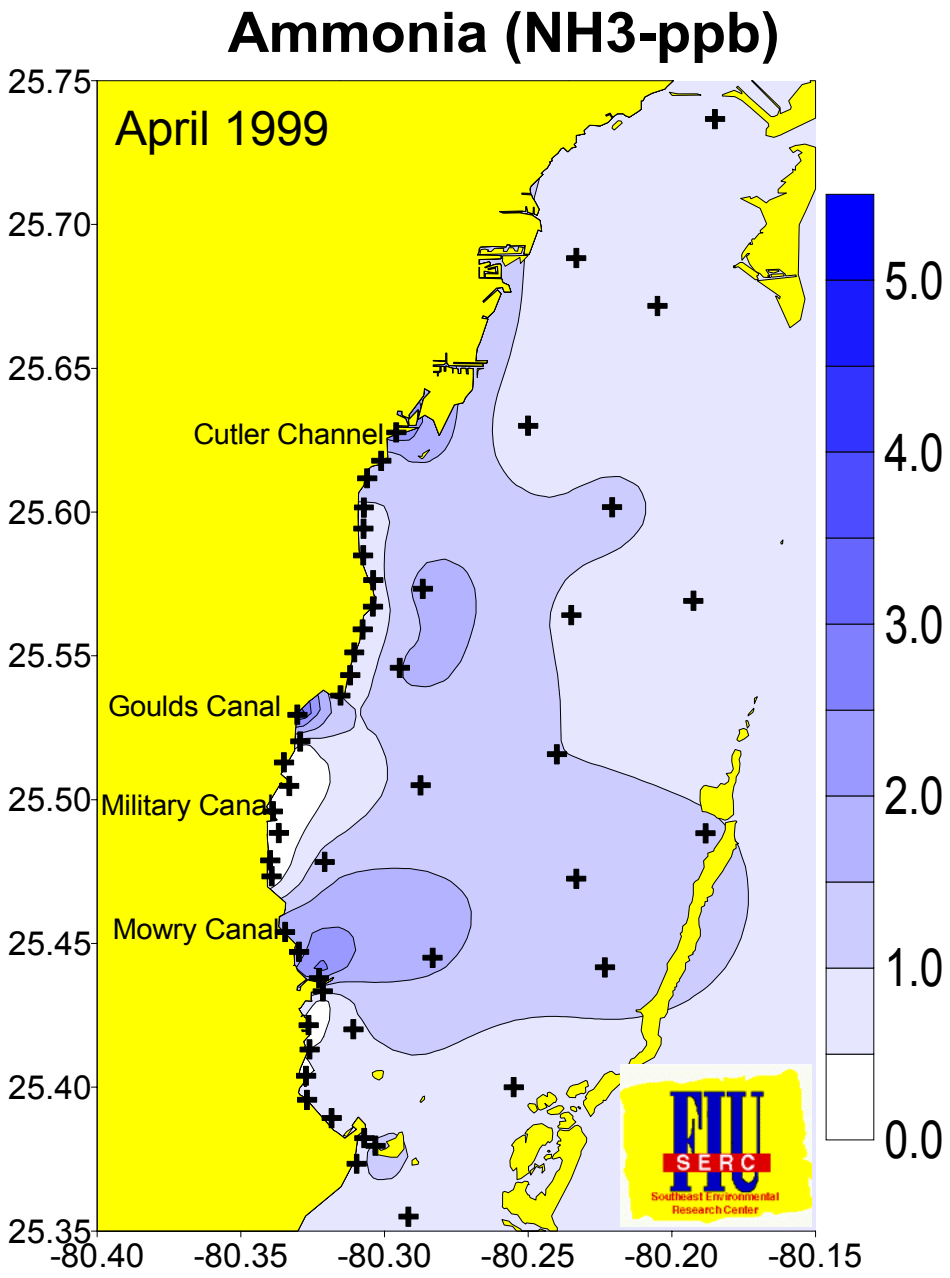


Figure 23. Unionized ammonia data from combined Shoreline Ammonia Survey and April 1999 FIU Biscayne Bay water quality monitoring program. Note slightly higher concentrations around the Cutler Canal, Goulds Canal/Black Point area, and Fender Point.

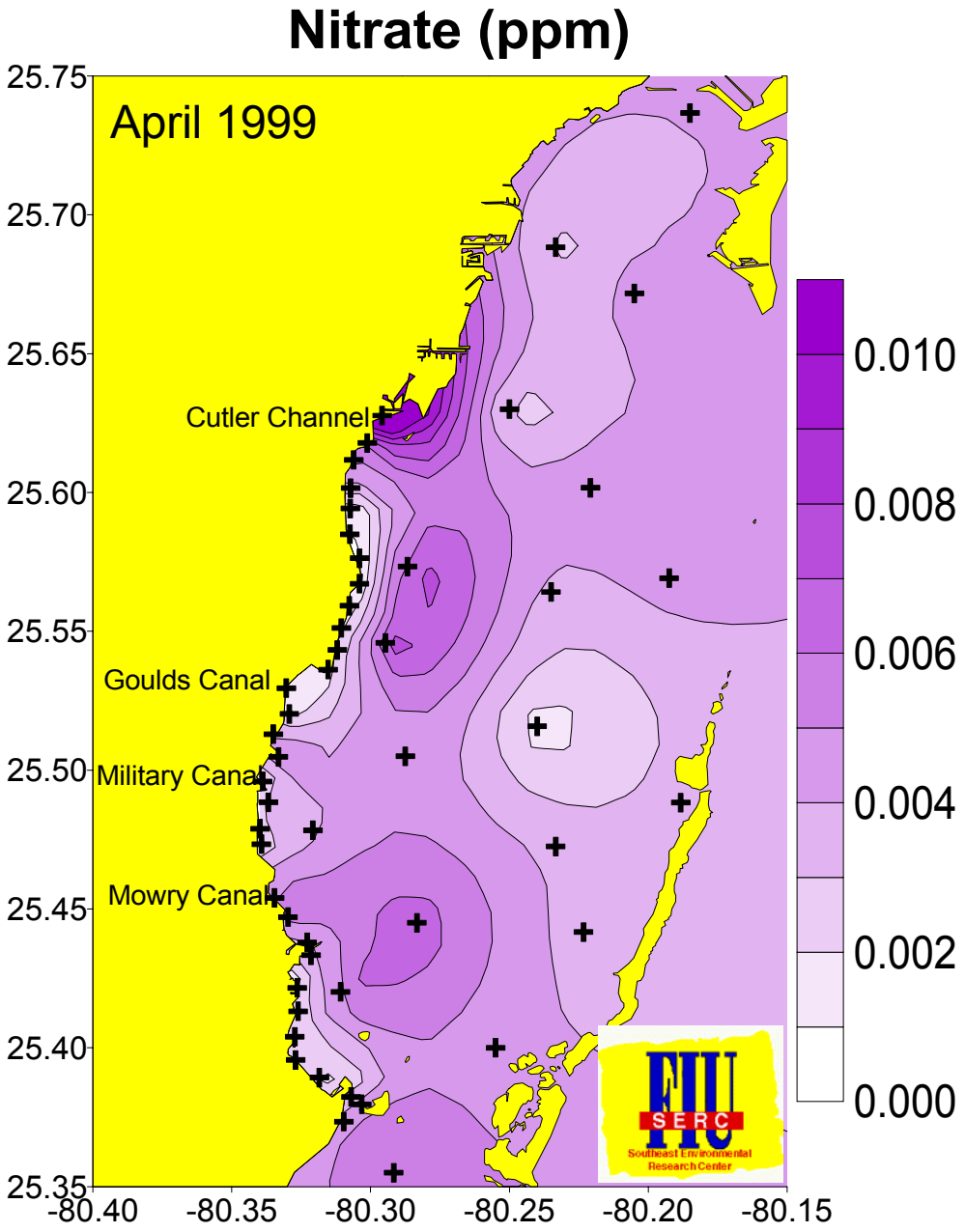


Figure 24. Nitrate data from combined Shoreline Ammonia Survey and April 1999 FIU Biscayne Bay water quality monitoring program. Note strong source from the Cutler Canal.

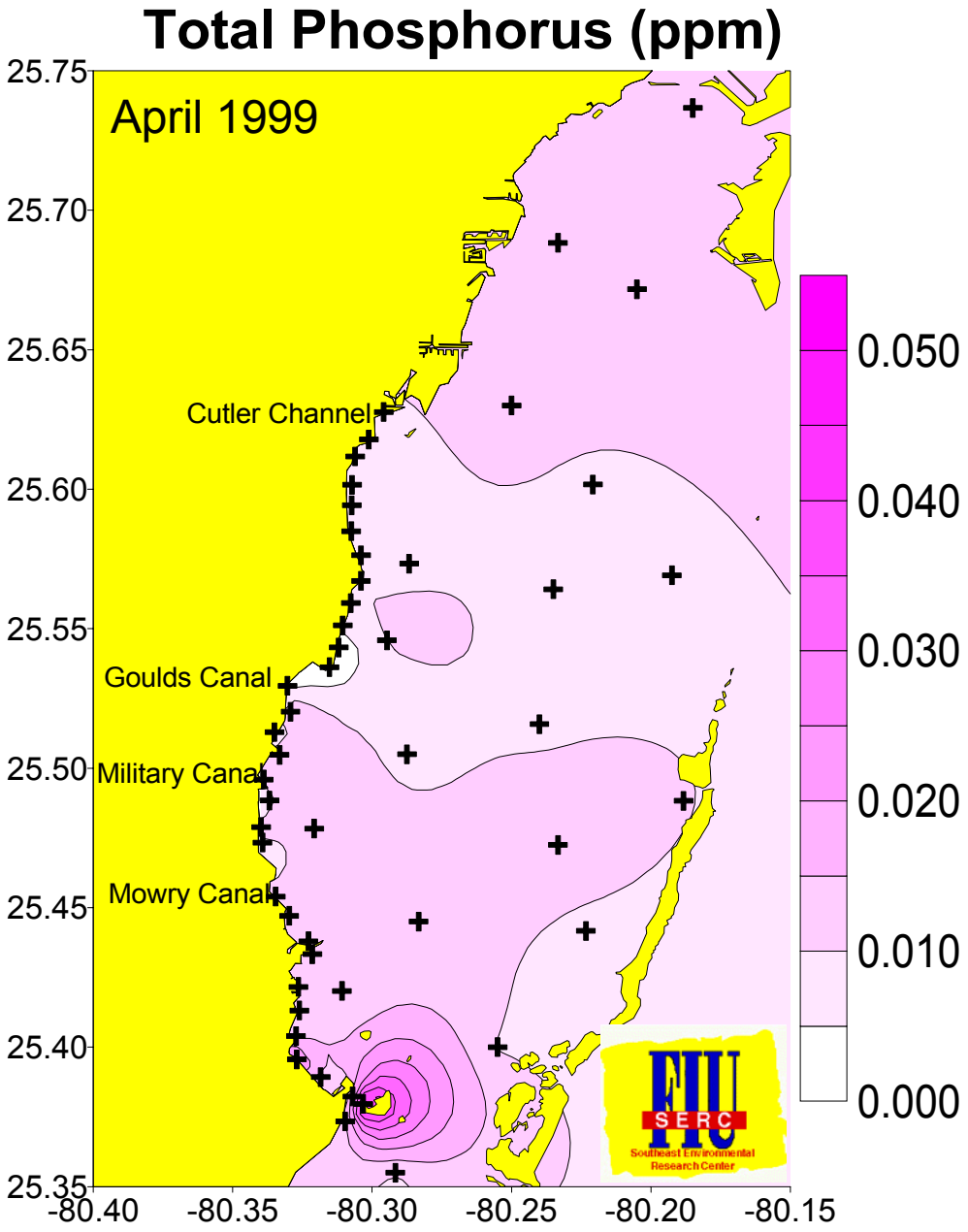


Figure 25. Total Phosphorus data from combined Shoreline Ammonia Survey and April 1999 FIU Biscayne Bay water quality monitoring program. Note elevated concentrations around Mangrove Key.

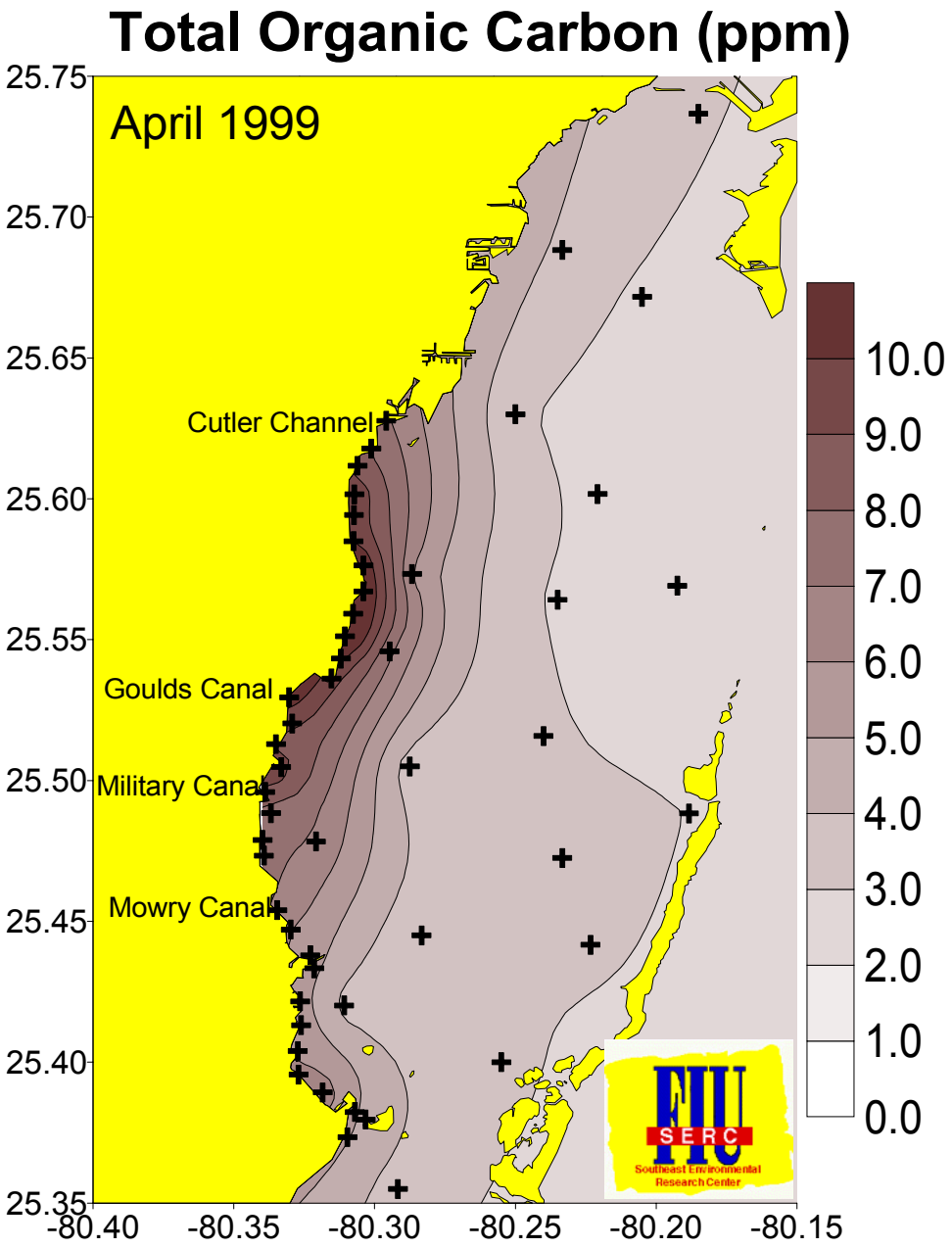


Figure 26. Total organic carbon data from combined Shoreline Ammonia Survey and April 1999 FIU Biscayne Bay water quality monitoring program. Note elevated inshore concentrations occurring from Cutler Canal to Mowry Canal.

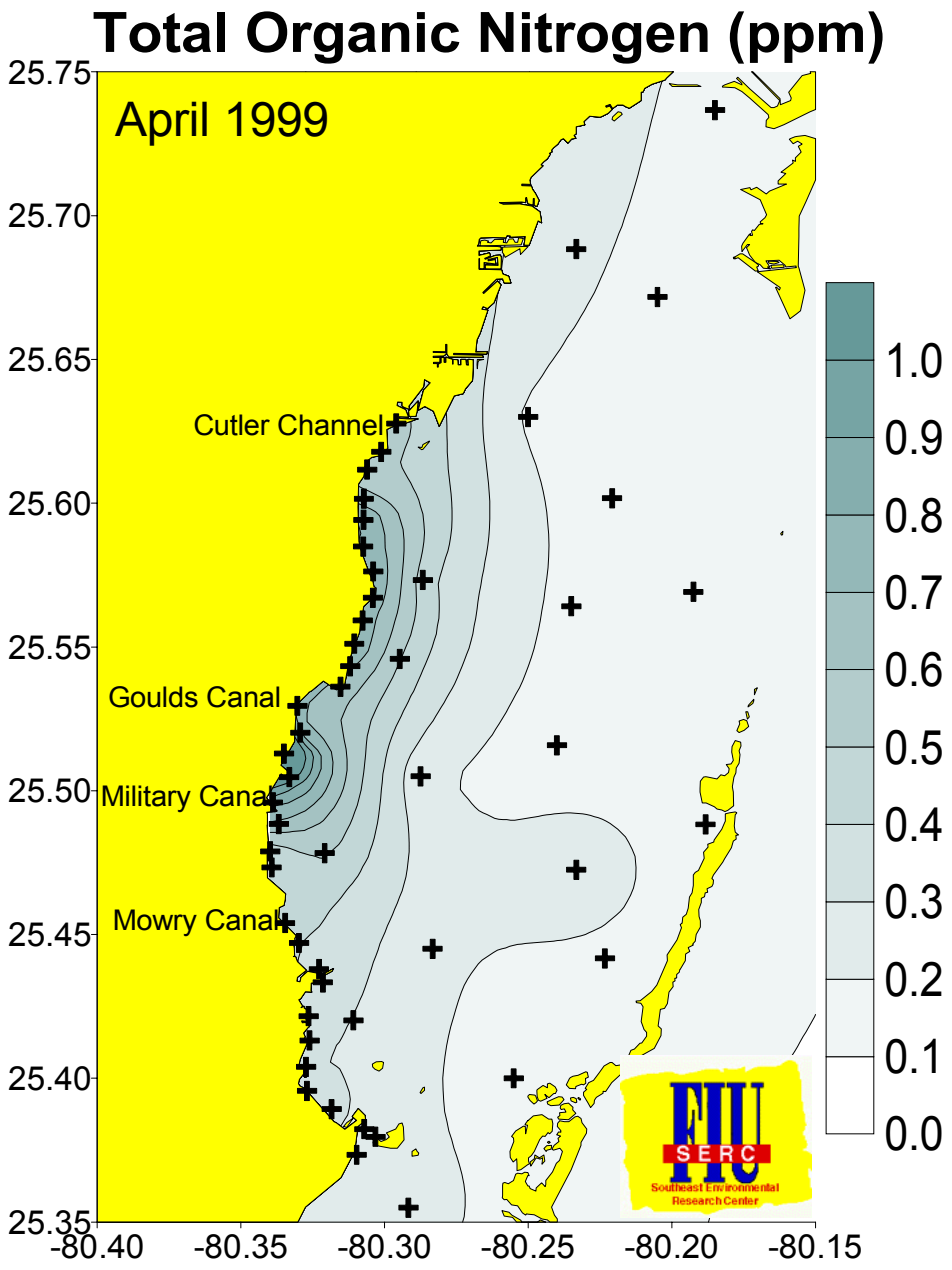


Figure 27. Total organic nitrogen data from combined Shoreline Ammonia Survey and April 1999 FIU Biscayne Bay water quality monitoring program. Note highest concentrations were found inshore between Goulds and Military Canals.

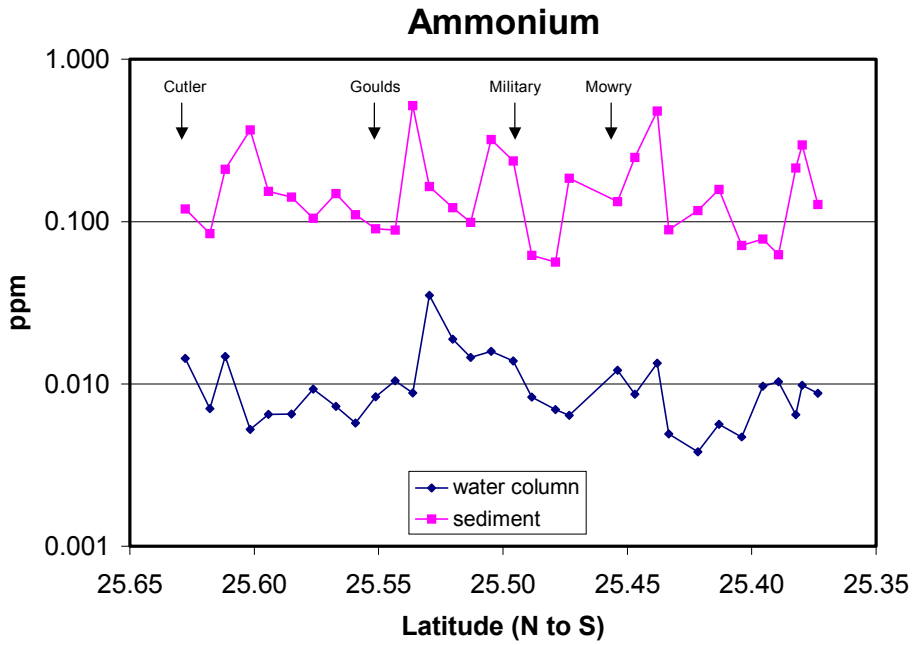


Figure 28. Plot of NH_4^+ in water and sediments along Shoreline Nutrient Survey sites.

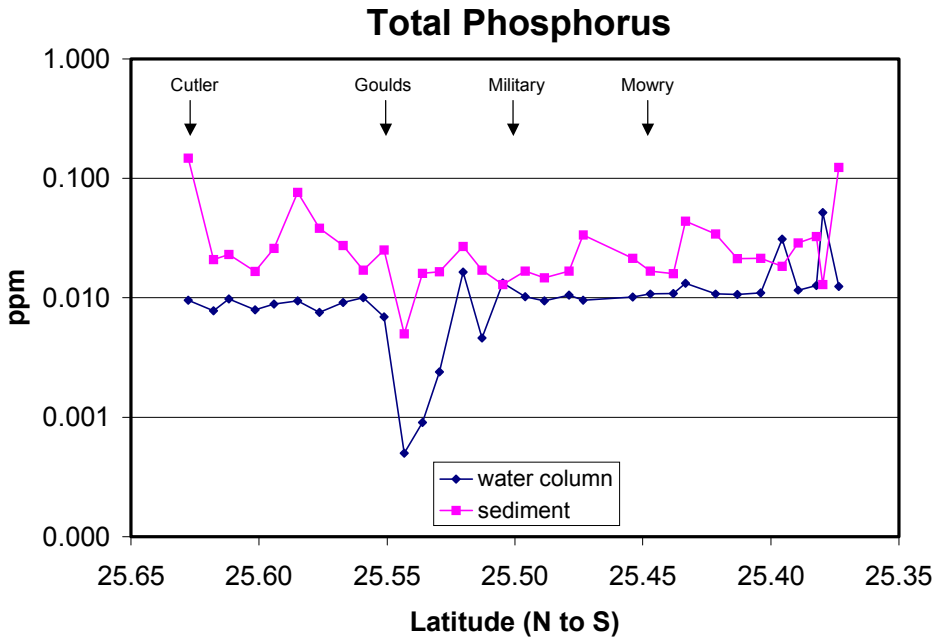


Figure 29. Plot of TP in water and sediments along Shoreline Nutrient Survey sites.

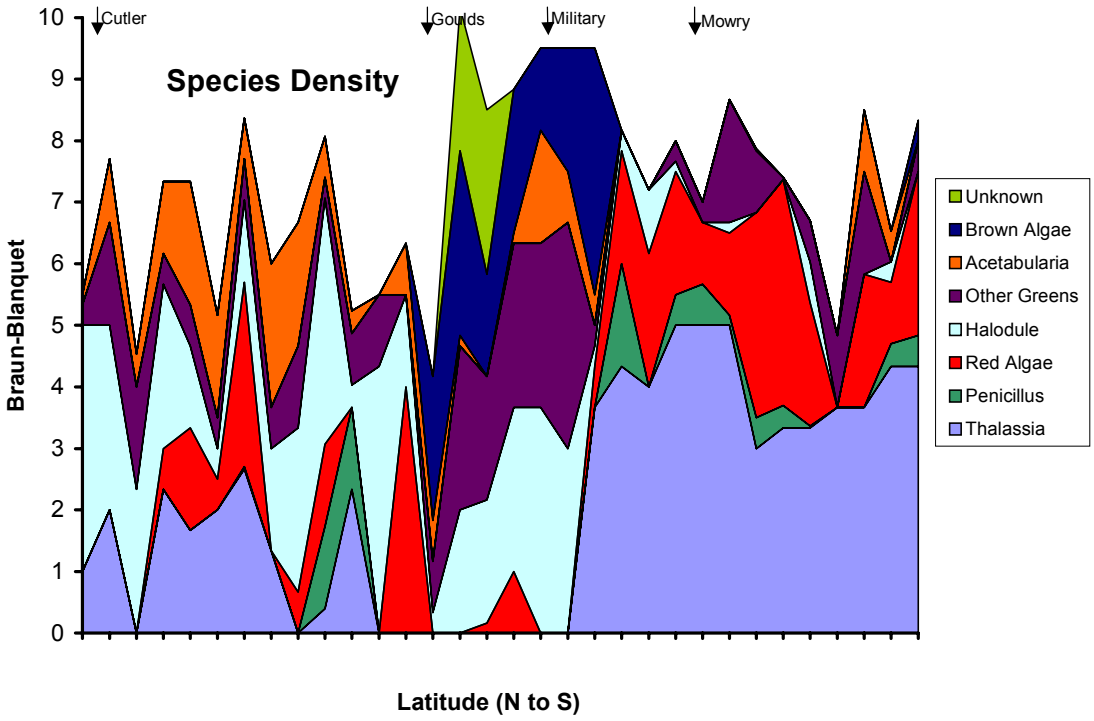


Figure 30. Plot of plant species distribution along Shoreline Benthic Survey sites.

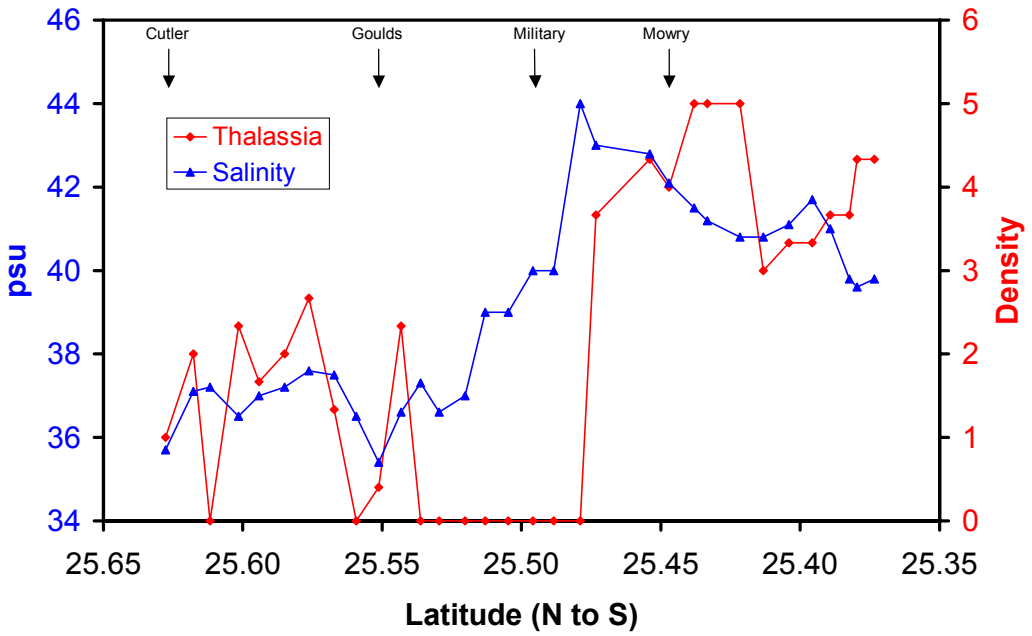


Figure 31. Plot of *Thalassia* vs salinity along Shoreline Benthic Survey sites.

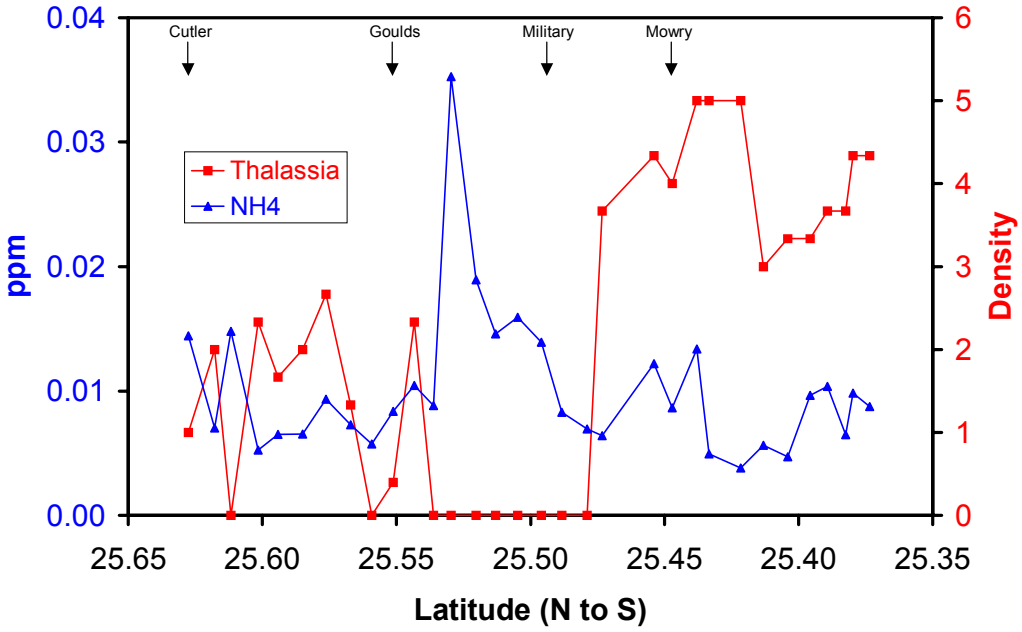


Figure 32. Plot of *Thalassia* vs NH_4^+ along Shoreline Benthic Survey sites.

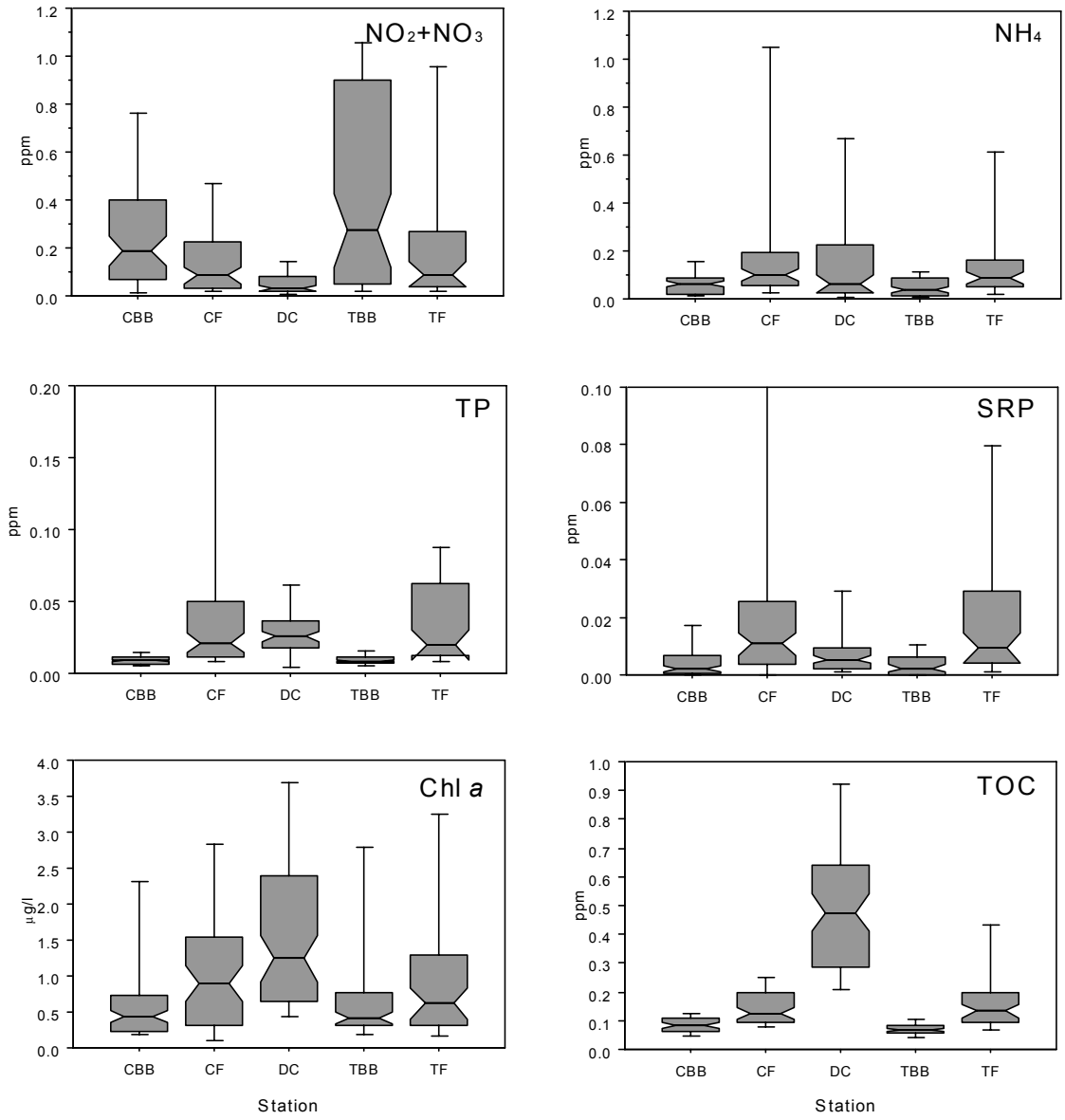


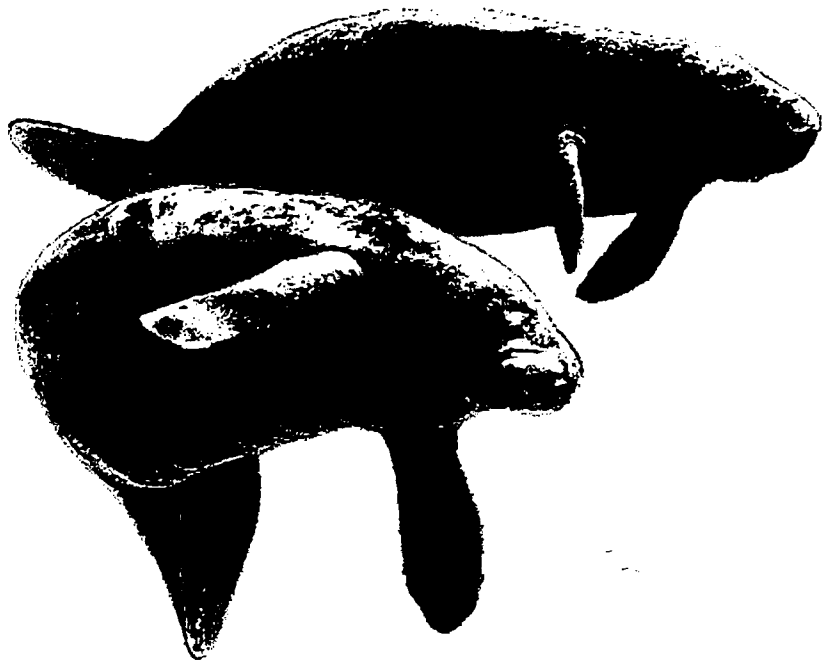
Figure 33. Plots of water quality variables from the Mangrove Transect Surveys. Sites are distribution canal (DC) near Military Canal, adjacent mangrove fringe (CF), offshore CF (CBB), mangrove fringe near Mowry (TF), and offshore TF (TBB).

APPENDIX C

NOAA Technical Memorandum NOS NCCOS CCMA 145

National Status and Trends Program
for Marine Environmental Quality

Biscayne Bay:
Environmental History and Annotated Bibliography



Silver Spring, Maryland
July 2000

US Department of Commerce

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Center for Coastal Monitoring and Assessment
National Centers for Coastal Ocean Science
National Ocean Service

7. ECOSYSTEM CHANGES

The rare, endangered and species of special concern found in the Biscayne Bay Aquatic Preserve are listed in Table 5 (Florida Department of Environmental Protection, 2000a).

7.1. Flora

7.1.1. Seagrasses

The major vascular plants found in Biscayne Bay are *Thalassia testudinum* (turtle grass), *Halodule wrightil* (Cuban shoal grass), and *Syringodium filiforme* (manatee grass). *Thalassia* is dominant in many areas of the Bay and *Thalassia* beds support a rich animal community (Zieman, 1982). These plants function as a food source, provide shelter and protection, stabilize sediments, and act as a chemical sink (Thorhaug, 1976). There is a progression of these seagrasses with distance from shore in non-disturbed areas of Biscayne Bay. Intertidally, there is a band of *Halodule*. From sublittoral, there is a band of *Thalassia* interspersed with *Halodule* and *Syringodium*. This thins out into green alga and a sand bottom towards mid-Bay. Seagrasses in the northern part of the Bay have been heavily impacted by man's activities and the normal *Thalassia* community is not observed north of the Port of Miami.

Sediment is generated by *Thalassia* communities and major disruptions to the seagrass beds result in modifications to the sediments.

Attempts were made in 1982 and 1984 to rehabilitate approximately 110 ha of barren sea bed with seagrass (Thorhaug, 1977; Thorhaug, 1980; Thorhaug, 1987; and others). Efforts have been carried out to revegetate areas of Biscayne Bay with seagrasses and currents, wave action and turbidity difficulties in these efforts.

The effect of the thermal effluent released by the Turkey Point Nuclear Power Plant on *Thalassia* beds has been studied extensively. *Thalassia* disappeared in areas of water 5° C above ambient, and declined by 50% in waters 3-4° C above ambient temperature (Thorhaug *et al.*, 1973). Environmental stress caused by temperature or salinity changes may make *Thalassia* more susceptible to disease.

An increasing problem in Biscayne Bay is the scarring of seagrass beds, commonly made when a boat's propeller tears and cuts up roots, stems and leaves (Sargent *et al.*, 1995; Zaneski, 1998). The greatest acreage of moderate to severe scarring occurred in areas of dense human population and a large number of registered boats. An assessment of the degree of seagrass bed scarring statewide indicated that approximately 8% of the seagrass beds in Dade County were scarred, and approximately 6% were rated with moderate/severe scarring (Figures 61 and 62).

7.1.2. Mangroves

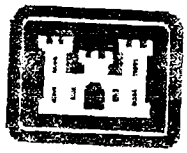
The information in this section was found in Hanlon *et al.* (1975). A thorough discussion of mangrove forest ecology can be found in Odum *et al.* (1982).

The most common mangrove species in the tropical coastlines of North America are: the red mangrove (*Rhizophora mangle*); the black mangrove (*Avicennia germinans*); the white mangrove (*Laguncularia racemosa*); and the buttonwood (*Conocarpus erectus*). The mangroves characterize and dominate a large portion of the world's tropical coastal margins and their

APPENDIX D

Environmental Baseline Study
Miami Harbor
General Reevaluation Report

FINAL REPORT



Revised
November 2001

Prepared for
Jacksonville District
U.S. Army Corps of Engineers
400 West Bay Street
Jacksonville, FL 32202

by
Dial Cordy and Associates Inc.
490 Osceola Avenue
Jacksonville Beach, FL 32250

2.0 TECHNICAL APPROACH

The technical approach utilized to document and characterize marine seagrass, hardbottom, and coral reef communities within the study area (Figure 1) is described below. Surveys were conducted during August and September 2000, with additional seagrass mapping of the Critical Wildlife Area (CWA) in November 2000.

2.1 Seagrass Community Assessment

2.1.1 Location of Survey Transects

Survey transects within the study area included the area 400 feet south of Fisherman's Channel, including the area within the CWA, the area adjacent to the Coast Guard Station, the Entrance Channel, and the area 500 feet north and south of the offshore channel (Figure 3).

2.1.2 Seagrass Mapping

Marine seagrass was mapped along 35 transects within the designated project study area by locating the end positions of the transects using Differential Global Positioning System (DGPS), laying a weighted line marked in one meter increments from the shore, and then conducting a visual diver survey along the weighted line to document seagrass distribution and occurrence from the shore to the edge of channel. Seagrass habitat and bottom type observed while crossing each transect were noted. Divers drift dove to the next transect, and if any seagrass was found between transects, a DGPS position at the start and end of the grass bed was recorded and the width of the grass bed estimated. Information recorded on seagrass habitat type and distribution was transferred from field logs and entered into a spreadsheet. Table 1 lists a description of habitat classifications used for mapping purposes. This approach allowed a visual representation of species' associations and occurrences across the shelf, channel, and slope as compared with bottom depth. Maps were produced for all stations surveyed that had seagrass present. A GIS map (ArcView) and database were created to illustrate seagrass distribution throughout the study area.

2.1.3 Seagrass Occurrence, Abundance and Density

To obtain biological data regarding the location, occurrence, abundance, and density of marine seagrass, a SCUBA point intercept survey was performed along each transect. For each transect,

the average percent (percent of sixteen 25 x 25 cm sub-units within a $1m^2$ quadrat that contains at least one seagrass shoot) was estimated in $1m^2$ quadrats at 10m intervals along

Figure 3 Seagrass and Hardbottom/Reef Habitat Assessment Transects

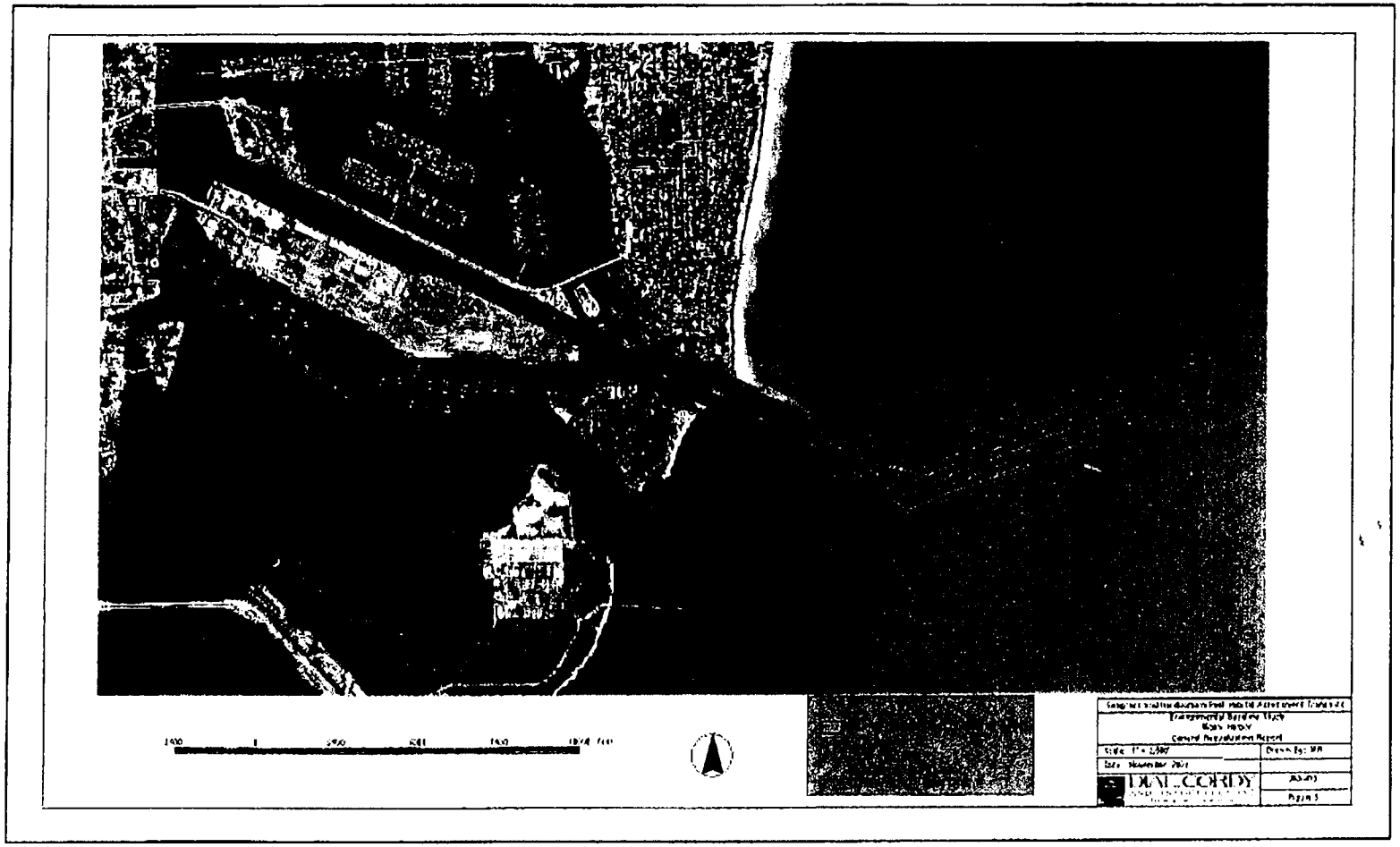


Table 1 Habitat Classification System Used for Mapping of Seagrass Species

Habitat Types	Description
Halophila decipiens	Monospecific bed of this species
Halophila johnsonii	Monospecific bed of this species
Halodule wrightii	Monospecific bed of this species
Syringodium filiforme	Monospecific bed of this species
Mixed Submerged Aquatic Vegetation	*S. filiforme or H. wrightii* with *H. decipiens*
Mixed Submerged Aquatic Vegetation with *H. johnsonii*	*S. filiforme* and or *H. wrightii* with *H. johnsonii*
Mixed Submerged Aquatic Vegetation with *H. johnsonii* and *H. decipiens*	*H. wrightii* with both species of *Halophila*
Unvegetated Bottom	Sand, silt or shell substrate with no seagrass or live bottom, may have marine algae present
Live-Bottom Habitat	Sponge and soft coral community over thin veneer of silty-sand

the transect line (Virnstein 1995; Fonseca et al. 1998; Braun-Blanquet 1965). Specific data recorded within each $1m^2$ quadrat for each seagrass species present included the number of sub-units containing at least one shoot, an average cover abundance score (Braun-Blanquet 1965), a description of substrate type, and any other observations considered useful. The cover abundance scale is shown below.

Cover abundance was measured at 10m intervals beginning along each transect. The content of each quadrat was visually inspected and a cover-abundance scale value assigned to the seagrass coverage.

The scale values are:

0.1 = Solitary shoots with small cover
0.5 = Few shoots with small cover
1.0 = Numerous shoots but less than 5% cover
2.0 = Any number of shoots but with 5-25% cover
3.0 = Any number of shoots but with 25-50% cover
4.0 = Any number of shoots but with 50-75% cover
5.0 = Any number of shoots but with >75% cover

From the survey of quadrats along each transect, frequency of occurrence, abundance, and density of seagrass was computed as follows:

Frequency of occurrence = Number of occupied sub-units/total number of sub-units
Abundance = Sum of cover scale values/number of occupied quadrats
Density = Sum of cover scale values/total number of quadrats

2.1.4 Analysis and Interpretation of Seagrass Data

Distribution of seagrass community types were mapped for each transect from data collected in the field, as the potential for occurrence in an area. Frequency of occurrence, abundance, and density were calculated from the quadrat data based on Braun-Blanquet (1965) methodology.

2.2 Hardbottom and Reef Habitat Assessment

A reef and live-hardbottom assessment was conducted in the area offshore from the jetty in the federal channel to 15,000 feet offshore to verify existing resource maps and to characterize the marine resources in the study area. To verify the accuracy of existing reef and hardbottom maps (e.g., those of Continental Shelf Associates, 1993), towed underwater video (J.W. Fishers TOV-1™) in conjunction with DGPS was used to record and mark the occurrence of hardbottom and

3.0 ENVIRONMENTAL BASELINE

This section includes a description and review of the results of the marine resources survey. It outlines the findings of the seagrass community survey, including species occurrence, abundance, and density. It also addresses reef and hardbottom community distribution, species profiles, the presence of EFH, and occurrence records of protected marine plants and mammals. A summary of field data is located in Appendix B, while a list of persons contacted and pertinent correspondence is contained in Appendix A.

3.1 Seagrass Communities

Seagrass habitat cover type, abundance, and density for the study area are described below. Distribution and occurrence observations range from approximately 400 feet south of Fisherman's Channel, including the area of the CWA, and the area adjacent to the Coast Guard Station north of the entrance channel at the southern tip of Miami Beach (Figure 4).

3.1.1 Quantitative Measures

Marine seagrass species observed within the study area included *Halodule wrightii, Halophila decipiens, Syringodium filiforme* and *Thalassia testudinum.* Of the 35 transects surveyed (Figure 3), marine seagrass species were observed at 25 transects. A summary of occurrence records for each transect where seagrass is found in Table 3. Seagrass occurrence in these areas consisted of mixed Submerged Aquatic Vegetation (SAV) with *H. decipiens* and *H. wrightii*, mixed SAV with *H. wrightii, and T. testudinum,* mixed SAV of *T. testudinum and S. filiforme,* mixed beds of all species and, monospecific beds of *T. testudinum*, and monospecific beds of *H. decipiens.* No *H. johnsonii* was observed while surveying the 35 transects.

Frequency of Occurrence. *S. filiforme* had a range of occurrence values between 0 to 82 percent with a mean of 36 percent over the study area. *H. wrightii* occurred within 16 of the 35 transects sampled. Frequency of occurrence values ranged from 0 to 52 percent with a mean of 29 percent. *H. decipiens* occurred within 7 transects sampled. Frequency of occurrence for *H. decipiens* values ranged between 0 to 38 percent with a mean of 15 percent. In comparison, *T. testudinum* occurred within 15 transects surveyed, with a range of 0 to 50 percent and a mean of 19 percent.

Figure 4 Seagrass Distribution

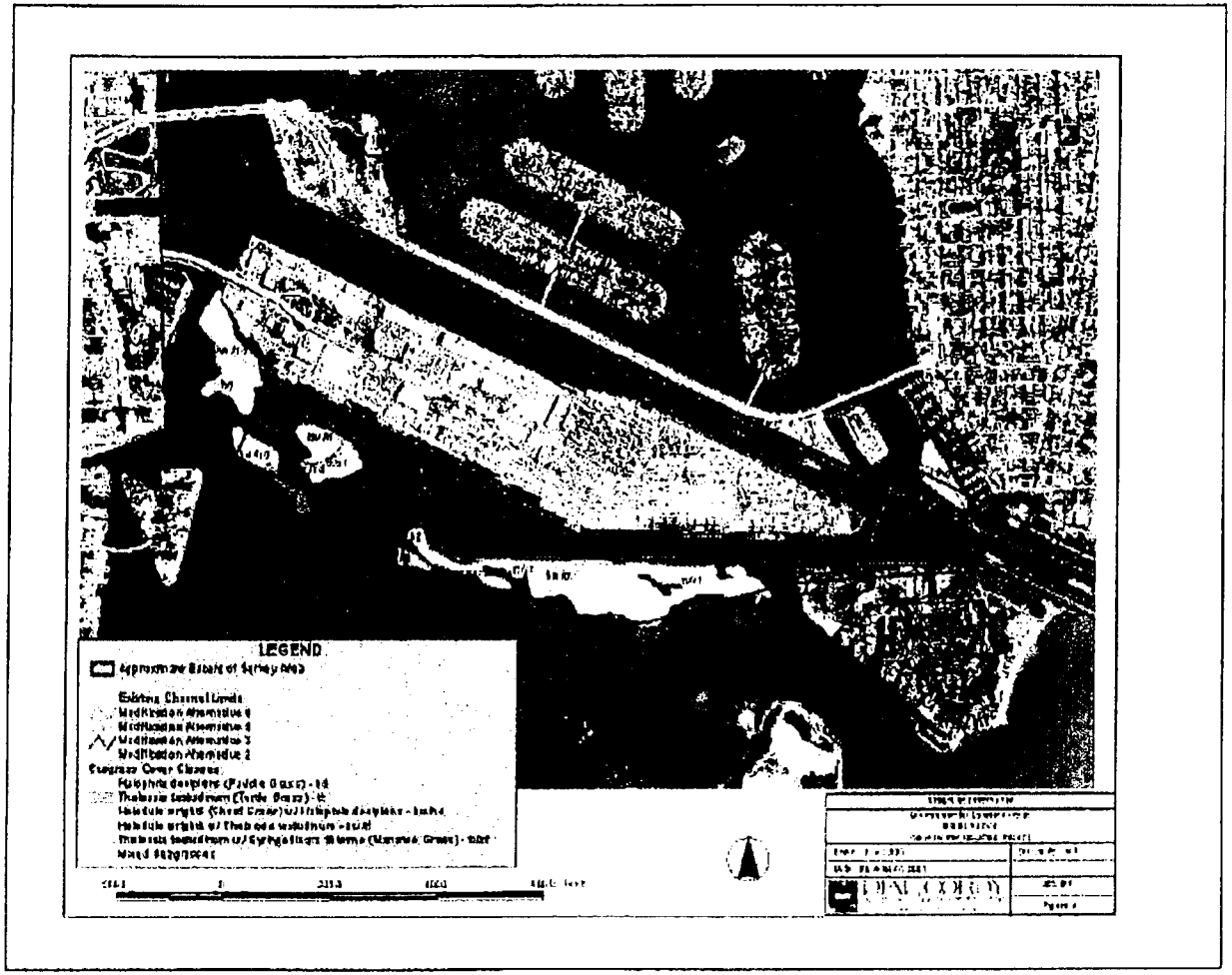


Table 3 Seagrass Frequency of Occurrence, Abundance, and Density Values for Miami Harbor Survey Transects

	Halodule wrightii	*Halophila decipiens*	*Thalassia testudinum*	*Syrigonium filiforme*	*Halodule wrightii*	*Halophila decipiens*	*Thalassia testudinum*	*Syrigonium filiforme*	*Halodule wrightii*	*Halophila decipiens*	*Thalassia testudinum*	*Syrigonium filiforme*
Transect	**Frequency of Occurrence**				**Abundance**				**Density**			
F4	-	-	-	-	-	-	-	-	-	-	-	-
F5	-	-	0.1000	0.6000	-	-	4.0000	3.0000	-	-	0.8000	1.8000
F6	-	-	0.2500	0.5000	-	-	3.0000	3.5000	-	-	0.2500	0.5000
F7	-	-	0.2500	0.2969	-	-	2.0000	3.0000	-	-	0.5000	1.5000
F8	-	-	0.1667	0.5417	-	-	2.0000	3.7500	-	-	0.3333	2.5000
F9	-	-	0.4000	0.5250	-	-	3.5000	2.5250	-	-	1.4000	2.0200
F10	-	-	0.5000	0.2500	-	-	2.6667	3.0000	-	-	2.0000	0.7500
F11	-	0.1000	-	-	-	0.7500	-	-	-	0.3000	-	-
F12	0.1750	0.0500	0.2500	0.0500	3.0000	1.0000	1.5000	0.5000	0.6000	0.2000	0.6000	0.1000
F13	0.0625	-	0.0625	-	1.0000	-	1.0000	-	0.2500	-	0.2500	-
F14	-	-	-	0.3375	-	-	-	3.5000	-	-	-	1.4000
F15	0.5250	-	-	0.3375	4.3333	-	-	3.5000	2.6000	-	-	1.4000
F16	-	-	0.0625	0.5000	-	-	1.2500	3.5000	-	-	0.6250	1.7500
F17	-	-	-	-	-	-	-	-	-	-	-	-
B1	0.1667	0.1667	-	-	4.0000	4.0000	-	-	0.6670	0.6670	-	-
B2	0.2000	-	0.3000	-	5.0000	-	3.0000	-	1.0000	-	1.2000	-
B3	0.2000	0.2875	-	0.0063	4.0000	2.8000	-	0.0100	0.8000	1.4000	-	0.0100
B4	0.2153	0.3472	0.0833	-	2.1250	2.5000	3.0000	-	0.9444	1.3889	0.3333	-
B5	0.0179	0.3839	-	-	0.5000	2.1000	-	-	0.0714	1.5000	-	-
B6	-	-	-	-	-	-	-	-	-	-	-	-
B7	0.1339	-	-	0.2857	4.0000		-	5.0000	0.5714	-	-	1.4286
B8	-	-	-	-	-	-	-	-	-	-	-	-
B9	-	-	-	-	-	-	-	-	-	-	-	-
B10	-	-	-	-	-	-	-	-	-	-	-	-

	Halodule wrightii	*Halophila decipiens*	*Thalassia testudinum*	*Syrigonium filiforme*	*Halodule wrightii*	*Halophila decipiens*	*Thalassia testudinum*	*Syrigonium filiforme*	*Halodule wrightii*	*Halophila decipiens*	*Thalassia testudinum*	*Syrigonium filiforme*
Transect	**Frequency of Occurrence**				**Abundance**				**Density**			
MB1	0.3889	-	-	-	3.5000		-	-	2.3330	-	-	-
MB2	-	-	-	-	-	-	-	-	-	-	-	-
MB3	0.0568	0.0682	-	-	1.5500	3.0000	-	-	0.2818	0.2727	-	-
MB4	-	-	-	-	-	-	-	-	-	-	-	-
1A	0.2727	-	-	-	1.6250	-	-	-	0.5909	-	-	-
2A	-	-	-	-	-	-	-	-	-	-	-	-
3A	-	-	-	-	-	-	-	-	-	-	-	-
4A	0.2768	-	-	-	2.0000	-	-	-	0.5714	-	-	-
6A	0.0313	-	0.1719	0.3125	0.5000	-	3.0000	2.1250	0.0625	-	0.7500	1.0625
7A	0.2500	-	0.0179	0.8214	3.0000	-	0.5000	3.8333	0.8571	-	0.1429	3.2870
8A	0.1042	-	0.2639	0.5278	0.6667	-	2.8333	3.0000	0.2222	-	0.9444	1.6667

*= not detected

Note: Transects initially labeled F1, F2, F3, and 5A were determined to be outside of the study area and, therefore, were not surveyed.

Abundance. Abundance is expressed as a sum of the cover abundance scores divided by the number of quadrats where the specific species was assigned a score. Scores range from 0 to 5, where 1.0 is <5 percent cover, 2.0 is 5 to 25 percent cover, 4.0 is 50 to 75 percent cover, and 5.0 is >75 percent cover.

S. filiforme had the highest mean abundance within the study area (2.82). The range of abundance values ranged from 0 to 5 at the 14 transects where *S. filiforme* occurred. *H. wrightii* abundance values ranged from 0 to 5 over transects sampled with a mean of 2.67. *T. testudinum* occurred within 15 transects and had a mean abundance of 2.5, while *H. decipiens* had the lowest abundance values in the survey area with a mean value of 2.24 and a range of 0 to 4.

Density. Density is expressed as the sum of the cover abundance scores divided by the total quadrats sampled. When compared to abundance values, density values are very low compared to abundance because values are averaged across all quadrats within each transect, rather than only at occupied quadrats.

Across all transects sampled *S. filiforme* had the highest density (1.41). Density values for *S. filiforme* ranged from 0 to 3.27. In comparison, *H. wrightii* had density values ranging from 0 to 2.6 with a mean of 1.14. *T. testudinum* and *H. decipiens* both had relatively low density values (0.74 and 0.59).

3.1.2 Flora and Fauna Associated with Seagrasses

Seagrass communities provide important habitat for many different species of flora and fauna. *Caulerpa prolifera* was observed in video transects of *H. wrightii*, and algae of the genera *Halimeda, Udotea*, and *Penicillus* have also been listed as associates of seagrasses in southeastern Florida (Zieman, 1982). Many invertebrate species also utilize seagrass communities. The most obvious inhabitants include the queen conch (*Strombus gigas*), urchins including the long spine urchin (*Diadema antillarum*), nudibranchs, bivalve mollusks, and crustaceans including the spiny lobster (*Panulirus argus*), and the blue crab (*Callinectes sapidus*). In some shallow seagrass areas, various soft corals and sponges were observed scattered within and adjacent to seagrass beds (see species listed in Section 3.2). Many fish species have also been shown to have life cycles dependent on seagrass beds. Of particular importance are the mullet (*Mugil cephalus*), snook (*Centropomis undecimalis*), and many prey species including mojarras and pinfish. Seagrass beds are also important nurseries for many of the fish associated with SAFMS Snapper-Grouper Complex (SAFMC 1998b).

Seagrass Survey Data

Alt 5									
Transect	Total Quadrats	Occupied Quadrats	Sub Units	Occupied Sub Units	Sum Cover Score	Species	Frequency	Abundance	Density
F11	5	2	80	8	1.5	HD	0.1000	0.7500	0.3000
F12	5	1	80	4	1	HD	0.0500	1.0000	0.2000
F12	5	1	80	14	3	HW	0.1750	3.0000	0.6000
F13	4	1	64	4	1	HW	0.0625	1.0000	0.2500
F15	5	3	80	42	13	HW	0.5250	4.3333	2.6000
F5	5	3	80	48	9	SF	0.6000	3.0000	1.8000
F6	4	2	64	32	7	SF	0.5000	3.5000	1.7500
F7	4	2	64	19	6	SF	0.2969	3.0000	1.5000
F8	6	4	96	52	15	SF	0.5417	3.7500	2.5000
F9	5	4	80	42	10.1	SF	0.5250	2.5250	2.0200
F10	4	1	64	16	3	SF	0.2500	3.0000	0.7500
F12	5	1	80	4	0.5	SF	0.0500	0.5000	0.1000
F14	5	2	80	27	7	SF	0.3375	3.5000	1.4000
F16	4	2	64	32	7	SF	0.5000	3.5000	1.7500
F5	5	1	80	8	4	TT	0.1000	4.0000	0.8000
F6	4	1	64	16	3	TT	0.2500	3.0000	0.7500
F7	4	1	64	16	2	TT	0.2500	2.0000	0.5000
F8	6	1	96	16	2	TT	0.1667	2.0000	0.3333
F9	5	2	80	32	7	TT	0.4000	3.5000	1.4000
F10	4	3	64	32	8	TT	0.5000	2.6667	2.0000
F12	5	2	80	20	3	TT	0.2500	1.5000	0.6000
F13	4	1	64	4	1	TT	0.0625	1.0000	0.2500
F15	5	2	80	24	6	TT	0.3000	3.0000	1.2000
F16	4	2	64	4	2.5	TT	0.0625	1.2500	0.6250
F4									
F17									
ALT 6									
Transect	Total Quadrats	Occupied Quadrats	Sub Units	Occupied Sub Units	Sum Cover Score	Species	Frequency	Abundance	Density
B1	6	1	96	16	4	HD	0.1667	4.0000	0.6667
B3	10	5	160	46	14	HD	0.2875	2.8000	1.4000
B4	9	5	144	50	12.5	HD	0.3472	2.5000	1.3889
B5	7	5	112	43	10.5	HD	0.3839	2.1000	1.5000
B1	6	1	96	16	4	HW	0.1667	4.0000	0.6667
B2	5	1	80	16	5	HW	0.2000	5.0000	1.0000
B3	10	2	160	32	8	HW	0.2000	4.0000	0.8000
B4	9	4	144	31	8.5	HW	0.2153	2.1250	0.9444

B5	7	1	112	2	0.5	HW	0.0179	0.5000	0.0714
B7	7	1	112	15	4	HW	0.1339	4.0000	0.5714
B3	10	1	160	1	0.1	SF	0.0063	0.1000	0.0100
B7	7	2	112	32	10	SF	0.2857	5.0000	1.4286
B2	5	2	80	24	6	TT	0.3000	3.0000	1.2000
B4	9	1	144	12	3	TT	0.0833	3.0000	0.3333
B6									
B8									
B9									
B10									
ALT 3									
Transect	**Total Quadrats**	**Occupied Quadrats**	**Sub Units**	**Occupied Sub Units**	**Sum Cover Score**	**Species**	**Frequency**	**Abundance**	**Density**
MB3	11	1	176	12	3	HD	0.0682	3.0000	0.2727
MB1	9	6	144	56	21	HW	0.3889	3.5000	2.3333
MB3	11	2	176	10	3.1	HW	0.0568	1.5500	0.2818
MB2									
MB4									
ALT 5/6									
Transect	**Total Quadrats**	**Occupied Quadrats**	**Sub Units**	**Occupied Sub Units**	**Sum Cover Score**	**Species**	**Frequency**	**Abundance**	**Density**
1A	11	4	176	48	6.5	HW	0.2727	1.6250	0.5909
2A									
3A									
4A*	7	2	112	31	4	HW	0.2768	2.0000	0.5714
Manatee zone									
Transect	**Total Quadrats**	**Occupied Quadrats**	**Sub Units**	**Occupied Sub Units**	**Sum Cover Score**	**Species**	**Frequency**	**Abundance**	**Density**
6A	8	1	128	4	0.5	HW	0.0313	0.5000	0.0625
7A	7	2	112	28	6	HW	0.2500	3.0000	0.8571
8A	9	3	144	15	2	HW	0.1042	0.6667	0.2222
6A	8	4	128	40	8.5	SF	0.3125	2.1250	1.0625
7A	7	6	112	92	23	SF	0.8214	3.8333	3.2857
8A	9	5	144	76	15	SF	0.5278	3.0000	1.6667
6A	8	2	128	22	6	TT	0.1719	3.0000	0.7500
7A	7	2	112	2	1	TT	0.0179	0.5000	0.1429
8A	9	3	144	38	8.5	TT	0.2639	2.8333	0.9444

APPENDIX E

FINAL RECOVERY PLAN

for

JOHNSON'S SEAGRASS

(*Halophila johnsonii* Eiseman)

prepared by the

Johnson's Seagrass Recovery Team

for the

National Marine Fisheries Service
National Oceanic and Atmospheric Administration

September 2002

Approved: William T. Hogarth

National Marine Fisheries Service
National Oceanic and Atmospheric Administration

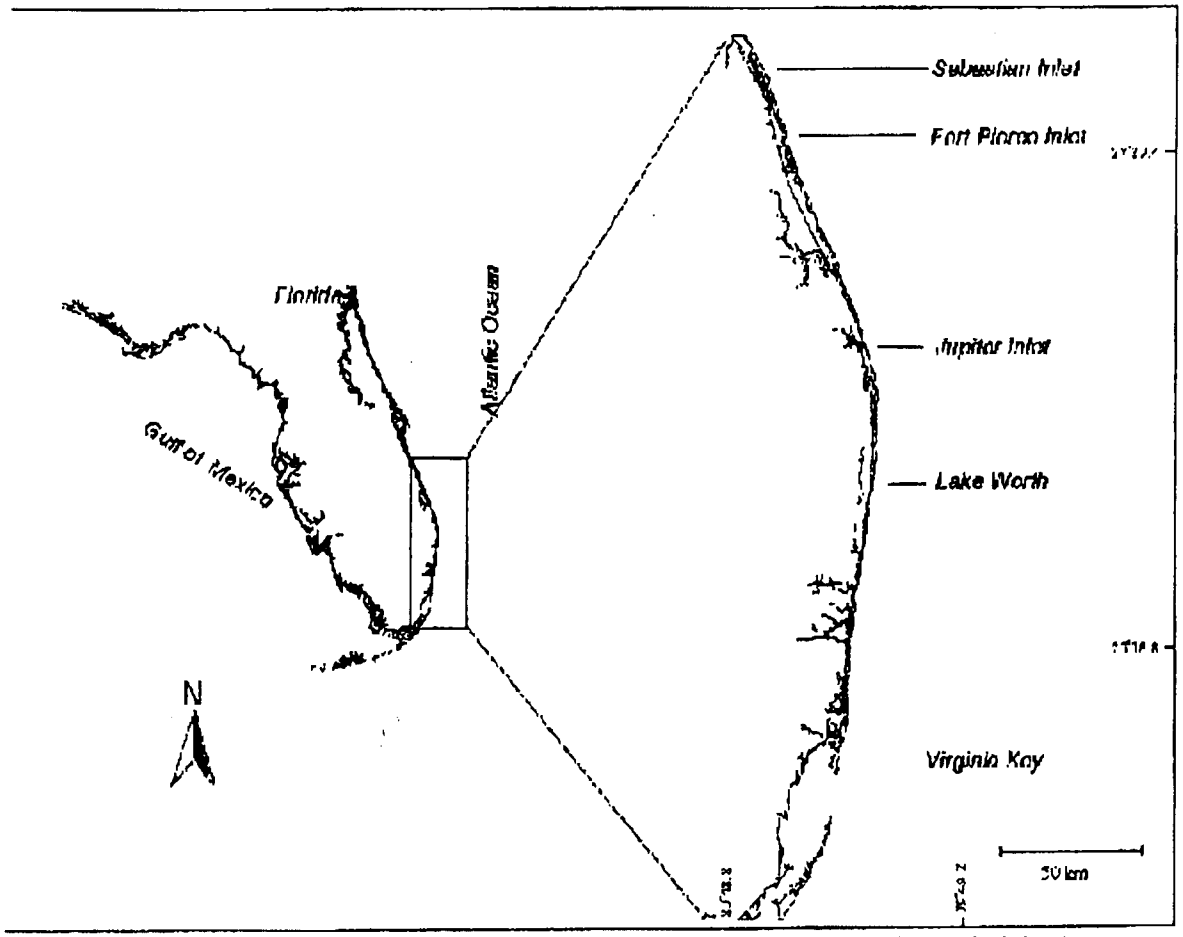


Figure 2 Geographic range of *Halophila johnsonii*: Sebastian Inlet to northern Virginia Key (Kenworthy 1997).

Assessment or Environmental Impact Statement, as defined under the authority of the National Environmental Policy Act of 1969 in connection with regulations adopted under section 4(a) of the Endangered Species Act, as amended. A notice outlining our reasons for this determination was published in the Federal Register on October 25, 1983 (48 FR 49244).

Required Determinations

This rule does not contain any new collections of information other than those already approved under the Paperwork Reduction Act, 44 U.S.C. 3501 *et seq.*, and assigned Office of Management and Budget clearance number 1018–0094. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. For additional information concerning permit and associated requirements for threatened species, see 50 CFR 17.32.

References Cited

A complete list of all references cited herein, as well as others, is available upon request from the Snake River Basin Office (see **ADDRESSES** above).

Author

The primary author of this proposed rule is Richard Howard, U.S. Fish and Wildlife Service, Snake River Basin Office (see **ADDRESSES** section).

List of Subjects in 50 CFR Part 17

Endangered and threatened species, Exports, Imports, Reporting and record keeping requirements, Transportation.

Regulation Promulgation

Accordingly, we amend part 17, subchapter B of chapter I, title 50 of the Code of Federal Regulations, as follows:

PART 17—[AMENDED]

1. The authority citation for part 17 continues to read as follows:

Authority: 16 U.S.C. 1361–1407; 16 U.S.C. 1531–1544; 16 U.S.C. 4201–4245; Pub. L. 99–625, 100 Stat. 3500; unless otherwise noted.

2. Amend §17.11(h) by adding the following, in alphabetical order under MAMMALS, to the List of Endangered and Threatened Wildlife to read as follows:

§17.11 Endangered and threatened wildlife.

* * * * *

(h) * * *

Species		Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Common name	Scientific name						
MAMMALS							
*	*	*	*	*	*	*	
Ground squirrel, northern Idaho.	*Spermophilus brunneus brunneus.*	U.S.A. (ID)	NA	T	693	NA	NA
*	*	*	*	*	*	*	

Dated: March 29, 2000.

Jamie Rappaport Clark,

Director, Fish and Wildlife Service.

[FR Doc. 00–8346 Filed 4–4–00; 8:45 am]

BILLING CODE 4310–55–P

DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

50 CFR Part 226

[Docket No. 991116305–0083–02; I.D. No. 110599D][A]

RIN 0648–AL82

Designated Critical Habitat: Critical Habitat for Johnson's Seagrass

AGENCY: National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA), Commerce.

ACTION: Final rule.

SUMMARY: NMFS is designating critical habitat for Johnson's seagrass (*Halophila johnsonii*) pursuant to section 4 of the Endangered Species Act (ESA). Johnson's seagrass is found on the east coast of Florida from Sebastian Inlet to central Biscayne Bay. Within this range, 10 areas are being designated as critical habitat: a portion of the Indian River Lagoon, north of the Sebastian Inlet Channel; a portion of the Indian River Lagoon, south of the Sebastian Inlet Channel; a portion of the Indian River Lagoon near the Fort Pierce Inlet; a portion of the Indian River Lagoon, north of the St. Lucie Inlet; a portion of Hobe Sound; a site on the south side of Jupiter Inlet; a site in central Lake Worth Lagoon; a site in Lake Worth Lagoon, Boynton Beach; a site in Lake Wyman, Boca Raton; and a portion of Biscayne Bay. NMFS is modifying various aspects of the proposed rule, including the removal as critical habitat of the Intracoastal Waterway (ICW) channel in the designated areas, and enlarging the Lake Wyman site.

The designation of critical habitat provides explicit notice to Federal agencies and the public that these areas and features are vital to the conservation of the species.

DATES: This rule is effective May 5, 2000.

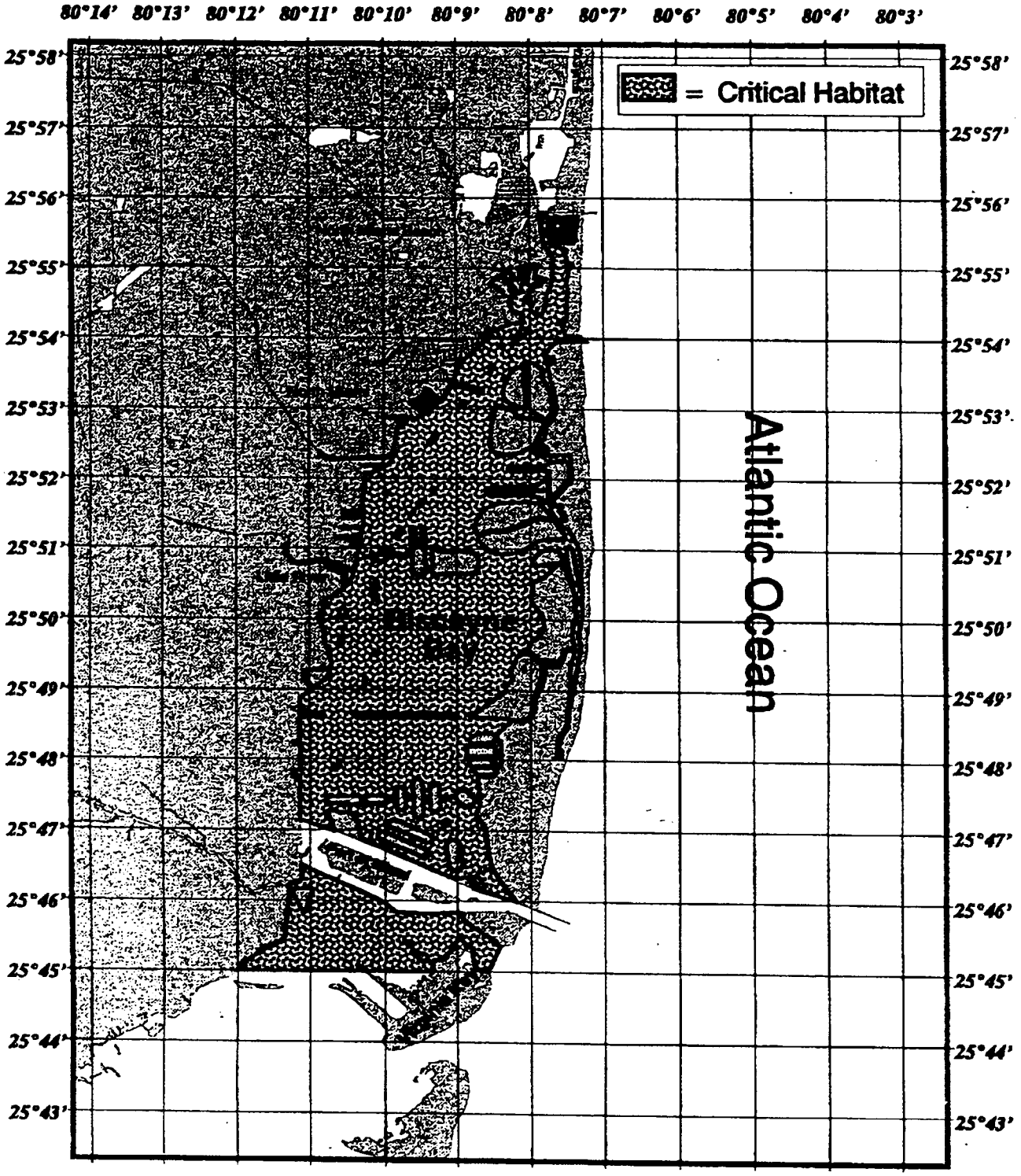
FOR FURTHER INFORMATION CONTACT: Layne Bolen, NMFS, Southeast Region, 850–234–6541 ext 237, or Marta Nammack, NMFS, Office of Protected Resources, 301-713-1401.

SUPPLEMENTARY INFORMATION:

Background

NMFS published a proposed rule to list Johnson's seagrass as a threatened species on September 15, 1993 (58 FR 48326), and a proposed rule to designate critical habitat on August 4, 1994 (59 FR 39716). A public hearing on both the proposed listing and critical habitat designation was held in Vero Beach, Florida, on September 20, 1994. As a result of public input during the comment period, NMFS postponed further action on listing. In order to update the original status report (Kenworthy, 1993) and to include information from new field and laboratory research on species distribution, ecology, genetics and phylogeny, NMFS convened a workshop on the biology, distribution, and abundance of *H. johnsonii*. The results of this workshop were summarized in the proceedings (Kenworthy, 1997) submitted to NMFS on October 15, 1997. NMFS reopened the comment period for the proposed listing on April 20, 1998 (63 FR 19468). The final rule to list Johnson's seagrass as a threatened

Figure 9



[FR Doc. 00-8394 Filed 4-4-00; 8:45 am]

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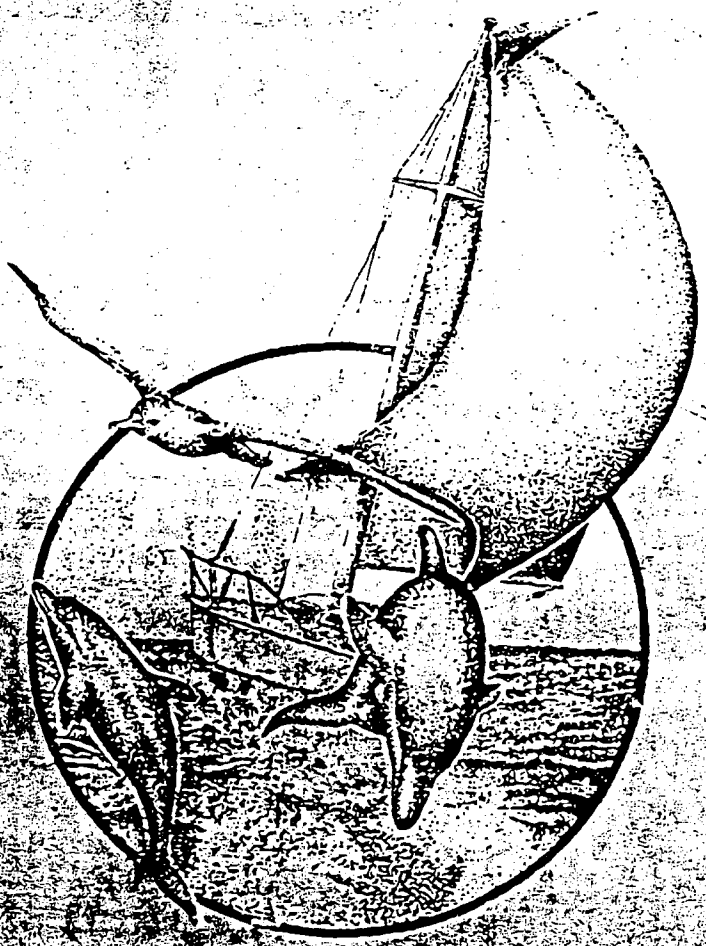
APPENDIX F

D

MIKE



BISCAYNE BAY AQUATIC PRESERV
MANAGEMENT PLAN

D R A F T

METRO-DADE

Biscayne Bay. The larvae of mollusks also represent a significant portion, averaging about 22 to 36 percent of the Bay zooplankton (Roman et al, 1983). These animals which graze on phytoplankton or plant detritus, are the principal sources of food for planktonic fish larvae found in Biscayne Bay (Houde and Lovdal, 1984).

Houde and Lovdal (1984) sampled planktonic fish larvae at a station in Unit VIII west of Key Biscayne. At this location, larvae of clupeids (herrings, sardines and pilchards), anchovies, dragonets, and gobies accounted for approximately 65 percent of all fish larvae collected. According to the authors, it is likely that other types of fish that inhabit the Bay as juveniles or adults may spawn offshore, and their offspring may enter the Bay at a post larval stage in their life cycles. Total numbers of fish eggs and larvae were greatest in the spring and summer, coinciding with seasons of high phytoplankton and zooplankton abundance.

BENTHIC COMMUNITIES

Seagrasses found within the APMA include turtle grass (Thalassia testudinum) with ribbon-like leaves; manatee grass (Syringodium filiform) with long, thin round leaves; shoal grass (Halodule wrightii) with narrow flat leaves; and a species of Halophila which are ephemeral grasses with flat, elongated paired leaves. The amount of light, photoperiod, temperature, salinity and sedimentary environments control the growth and distribution of seagrasses. These grasses, together with several species of green, red and brown algae make up benthic plant communities in Biscayne Bay.

Sunlight is the major driving mechanism in the photosynthetic process and is essential to seagrass and algal growth. In the shallow Bay system, the amount of light that is able to penetrate the water column is generally controlled by the clarity of the water column rather than the depth of the water, except in deep dredged areas. As noted previously, water clarity in the Bay is strongly influenced by the re-suspension of fine particles that are largely derived from deposited spoil material, eroding margins of dredged cuts and unconsolidated shorelines. Blooms of tiny plants and algae within the water column also decrease water clarity, but to a much lesser extent than re-suspended inorganic particles (Wanless et al., 1984).

BENTHIC COMMUNITY DISTRIBUTION

[redacted] predominates in central and south Bay, generally outside of [redacted] Turtle grass growth is generally most dense in areas where [redacted] more than six inches of sand, mud, or muddy sand sediment and [redacted] penetration is not a limiting factor. [redacted] from Chapman [redacted] the Rickenbacker Causeway, a mixture of seagrasses together [redacted] assemblages of algae covers the rocky areas covered by [redacted] (1984) (Figure 16). [redacted] margin of this [redacted] area is a strip of shoal grass. The middle of the [redacted] even though the area has been dredged (Figure 31).

FIGURE 31
CPMA BENTHIC COMMUNITIES
UNIT VIII

SOURCE: METRO-DADE DERM (1983c.)

On the eastern side of the CPMA mixed seagrasses predominate off the south-west point of Key Biscayne over quartz-carbonate beach sands, and turtle grass dominates to the south and slightly west of Crandon Marina over a similar sedimentary environment. As noted previously, a mixed seagrass bed is developing on the flood delta at Bear Cut.

In summary, the CPMA is covered with 16 percent turtle grass, 47 percent mixed grasses, six percent shoal grass, and three percent algae mixed with seagrass. Twenty-three percent of this area is either dredged or natural barren bottom, and four percent of the area to the east and north of Chicken Key constitutes a hard bottom community where sponges, soft corals, and filtering organisms predominate (Metro-Dade County Planning Department, 1984).

In the NPMA area manatee and shoal grasses predominate wherever light penetration is sufficient to permit plant growth. Species of Halophila are found sporadically in north Bay frequently associated with dredged or nearly barren areas (Metro-Dade County DERM, 1983c). While manatee and shoal grasses are the dominant benthic plants in the NPMA, they comprise slightly less than 24 percent (approximately six and one-quarter square miles) of the total Bay bottom in that area. These grasses together with algae cover an additional eight and one-half percent of the Bay bottom. Thirteen square miles (49 percent) of the NPMA are dredged and barren, and an additional four and one-quarter square miles are naturally barren (Metro-Dade County Planning Department, 1984) (Figures 32, 33 and 34).

As discussed previously, the most extensive and noteworthy grass-algal beds in north Bay are located in Unit III north of the Julia Tuttle Causeway, and on both sides of the Intracoastal Waterway south of Little River adjacent to Bay Point. Other extensive grass beds are located on the lee side of Virginia Key, adjacent to the channel south of the Port, on both sides of the Intracoastal Waterway north of the Rickenbacker Causeway, and south of the Julia Tuttle Causeway on the mainland side bordering the Intracoastal Waterway and on the island side west of Meloy Channel. Further north mixed grasses and algae are found east of the Intracoastal Waterway about one half mile due east of Biscayne Canal and in the undredged areas south of Biscayne Canal.

SEAGRASS REVEGETATION

In October 1980 the Corps of Engineers issued a dredge and fill permit for expansion of the Port of Miami facilities in Biscayne Bay. As a special permit condition the Seaport was required to plant 251 acres of unvegetated or sparsely vegetated Biscayne Bay bottom with the seagrasses to mitigate for damage done to 81 acres of grass beds during the seaport expansion. About two million dollars was allocated for the seagrass planting and monitoring.

Between January and October 1982, 25 acres near Mercy Hospital and 13 one-acre test plots were planted within the APMA. Each of the 13 acre test plots was subdivided into six subplots. In general, two of the subplots were planted in Syringodium shoots, two were planted in Halodule shoots, one was planted in Thalassia shoots, and one was planted in Thalassia seeds. Survival rates were measured about a year after the

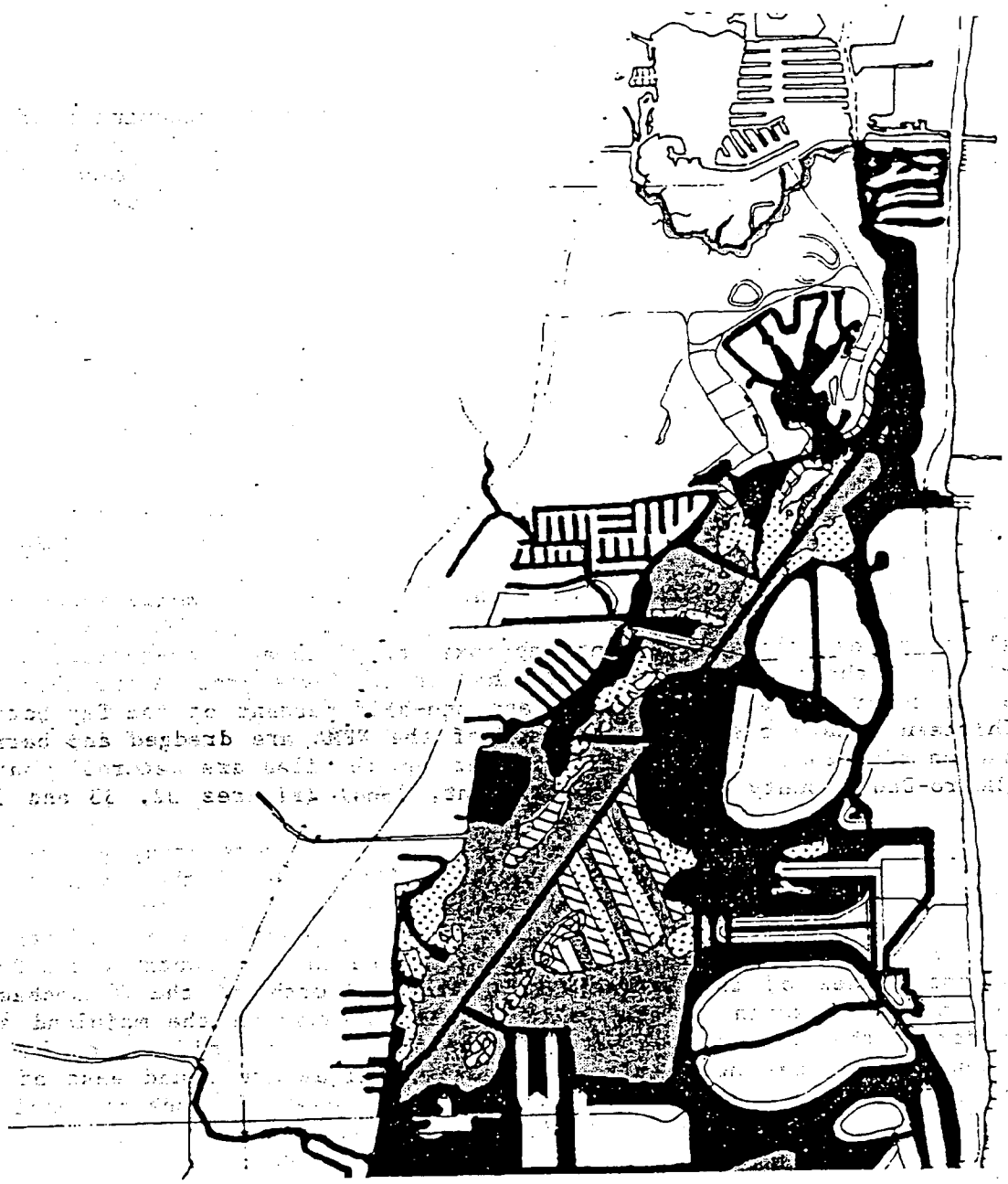


FIGURE 32

NPMA BENTHIC COMMUNITIES

UNITS I-II

SEAGRASSES

ALGAE/SEAGRASS

BARREN (DREDGED)

BARREN (UNDREDGED)

SOURCE: METRO-DADE DERM (1983c)

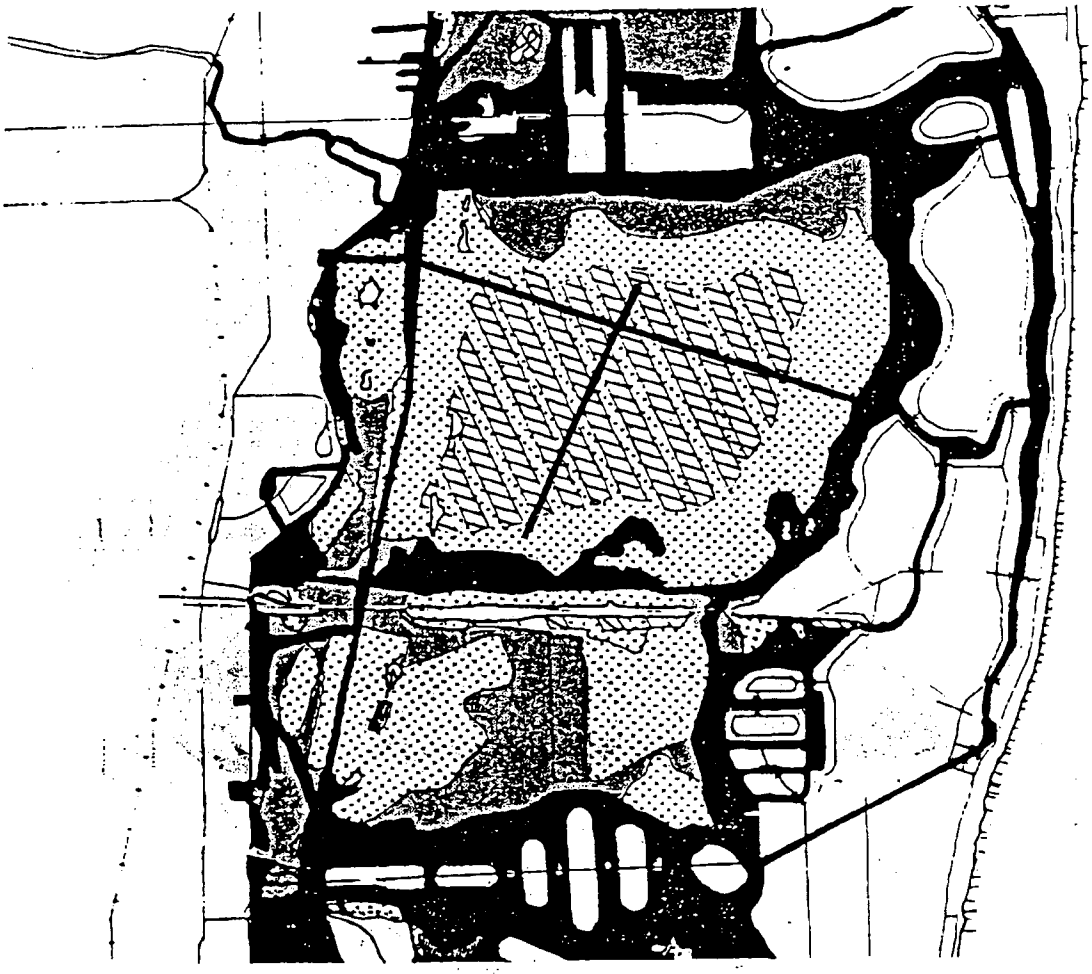


FIGURE 33

NPMA BENTHIC COMMUNITIES

UNITS III-IV

SEAGRASSES

ALGAE/SEAGRASS

BARREN (DREDGED)

BARREN (UNDREDGED)

SOURCE: METRO-DADE DERM (1983c.)

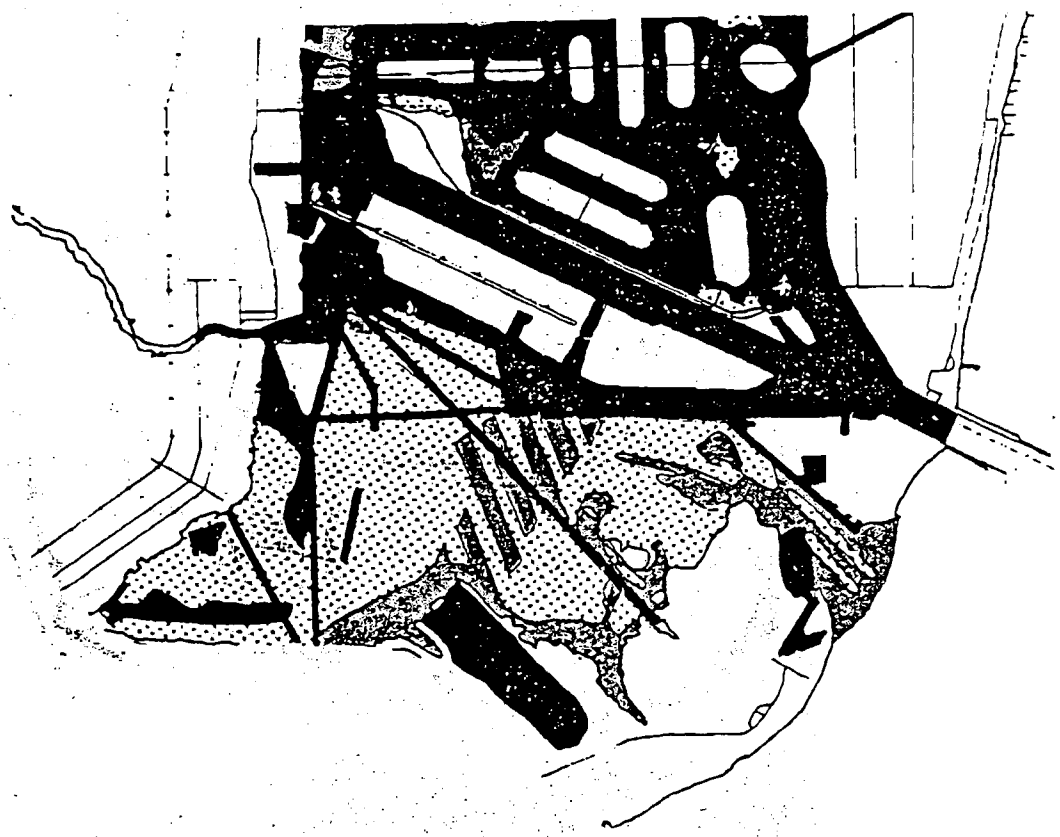


FIGURE 34

NPMA BENTHIC COMMUNITIES

UNITS V-VII

SEAGRASSES

ALGAE/SEAGRASS

BARREN (DREDGED)

BARREN (UNDREDGED)

SOURCE: METRO-DADE DERM (1983c.)

APPENDIX G

Table 1. Fishes occurring in Biscayne Bay which are valuable as aquarium fishes.

Blue striped grunt	*Haemulon sciurur*
Parrotfish	*Pseudoscarus coelestinus*
Rainbow parrotfish	*Pseudoscarus guacamania*
Green parrotfish	*Sparisoma virlde*
Blue parrotfish	*Scarus caeruleus*
Striped goby	*Garmania macrodon*
Fat goby	*Gobiosoma robustum*
Whitehurst's jewfish	*Opisthognathus whithursti*
Pike blenny	*Chaenopsis ocellata*
Hairy blenny	*Labrisomus nuchipinnis*
Marbled clinid	*Paraclinus marmoratus*
Banded clinid	*Paraclinus rasciatus*
Sea robin	*Prinotus scitulus*
Clingfish	*Gobiesox strumosus*
Cowfish	*Lactophrys tricornis*
Smooth trunkfish	*Lactophrys trigonus*
Brown demoiselle	*Pomacentrus fuscus*
Mapo	*Bathygobius soporator*
Blue tang	*Acanthurus caeruleus*
Ocean Surgeon	*Acanthurus bahianus*
Doctor fish	Acanthurus chiturgus
Fringed filefish	*Monacanthus hispidus*
Hairy filefish	*Monacanthus ciliatus*
Spiny boxfish	*Chilomycterus schoepfi*
Queen angelfish	*Holacanthus ciliatus*
Blue angelfish	*Holacanthus isabellita*
Black angelfish	*Holacanthus aureus*
French angelfish	*Holacanthus paru*
Foureyed butterflyfish	*Chaetodon ocellatus*
Butterflyfish	*Chaetadon capistratus*
Butterflyfish	*Chaetadon striatus*
Two lined cardinalfish	*Apogon binotatus*
Spotted cardinalfish	*Apogon maculatus*
False spotted cardinalfish	*Apogon pseudomaculatus*
Conchfish	*Apogonichthys stellatus*
Variegated wrasse	*Halichoeres garnoti*
Pudding wife	*Halichoeres radiata*
Blue head	*Thalassoma bifasciatum*
Dwarf wrasse	*Doratonotus megalepis*
Dusky squirrelfish	*Holocentrus vexillarius*
Sergeant major	*Abudefduf saxatilis*
Rock sergeant	*Abudefduf taurus*
Spotted moray	*Gymnothorax moringa*
Green moray	*Gymnothorax funebris*
Round stingray	*Urolophus jamaicensis*
Spotted moray	*Gymnothorax nigromarginatus*
Dwarf seahorse	*Hippocampus zosterae*
Smooth puffer	*Spheroides spengleri*