

Requests for Modifications to Settlement Agreement Mandated Monitoring

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*TOC
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Changes to NECP permit

NECP permit modification eliminated 16 parameters at 28 stations also mandated by the Settlement Agreement. TOC must approve these changes in monitoring

NECP Parameter changes to 28 Stations

Eliminated parameters:

- **OPO₄, NH₄, NO₂,**
- **Color, TSS, Alkalinity**
- **Cl, K, Ca, Mg, Fe, SiO₂,**
- **Hardness, Cd, Cu, Zn**

at:

- Acme1DS, G123, G94D, S140, S141, S144, S145, S146, S151, S174, S177, S178, S18C, S190, S31, S331, S333, S337, S34, S343A, S343B, S38, S39
- S11A(S143), C123SR84(S339,S340), S12D(G346,G347,G71)
- S9 and S9A

Concerns have been raised about some parameters in the Refuge and elsewhere

System wide parameters of concern:

- OPO_4
- Cl, Ca

Refuge Specific Parameters of concern:

- TSS
- Alkalinity
- Hardness, Cd, Cu, Zn

Review of trace metals at two stations inflowing into the Refuge

- Compliance met at structures
- Review of data from EVPA LNWR marsh stations shows no excursions from 1995 to 1998 for Cd and Cu (published in Everglades Interim Report 1999)
- No results above MDL for Zn
- EVPA trace metals collection was ended in late 2000

Monitoring Set for ACME1DS and G94D

- **Physical Parameters BWF/M**
 - D.O., pH, T, Scond., Turbidity
- **Macronutrients BWF/M**
 - Alkalinity, TP, OPO₄, TSS, TKN, NO_x
- **Ions Quarterly**
 - Ca, Cl, SO₄
- **Revisit after ACME BASIN B implementation/operation**

Standard Monitoring Set adjusted for Stakeholder Concerns

- Physical Parameters BWF/M
 - (D.O., pH, T, Scond., Turbidity)
- Macronutrients BWF/M
 - (TP, OPO₄, TKN, NO_x)
- Ca, Cl, SO₄ Quarterly

Standard Set at 26 Stations

- G123, S140, S141, S144, S145, S146, S151, S174, S177, S178, S18C, S190, S31, S331, S333, S337, S34, S343A, S343B, S38, S39, S9A
- S11A(S143), C123SR84(S339,S340), S12D(G346,G347,G71)
- S9 + autosampler

**Additional Request:
Eliminate Settlement Agreement
Mandated Chlorophyll Species
and Alkaline Phosphatase
Activity (APA) monitoring**

Currently monitored biweekly at 11 structures:

- S12A, S12B, S12C, S12D, S176, S177, S178,
S18C, S5A, Tambr105, US41-25**

Requests

Approve monitoring reductions at:

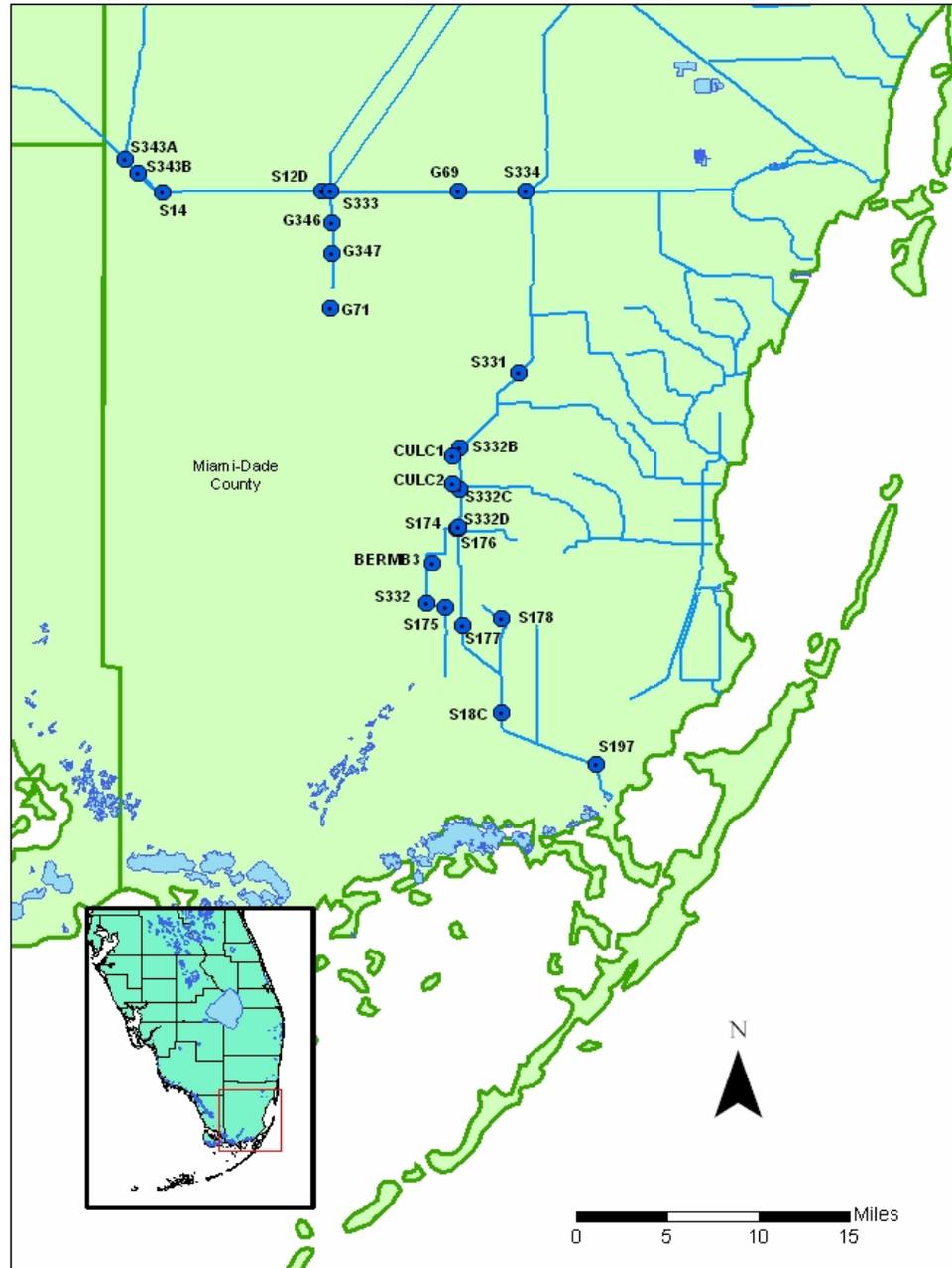
- Acme1DS, G94D
- G123, S140, S141, S144, S145, S146, S151, S174, S177, S178, S18C, S190, S31, S331, S333, S337, S34, S343A, S343B, S38, S39, S9A
- S11A(S143), C123SR84(S339,S340), S12D(G346,G347,G71)
- S9

Requests

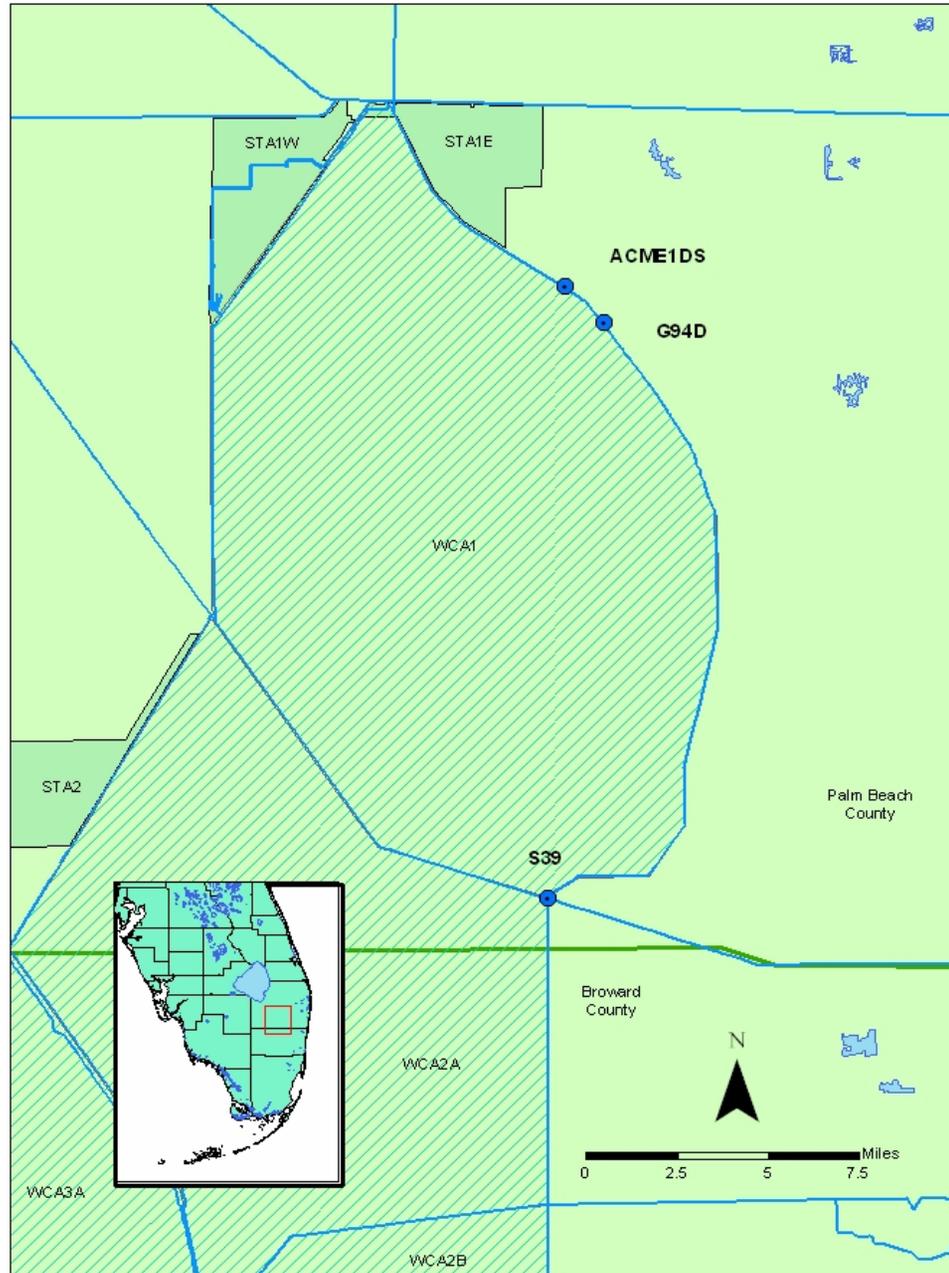
Eliminate monitoring for Chlorophyll species and APA at 11 structures:

–S12A, S12B, S12C, S12D, S176, S177, S178, S18C, S5A, Tambr105, US41-25

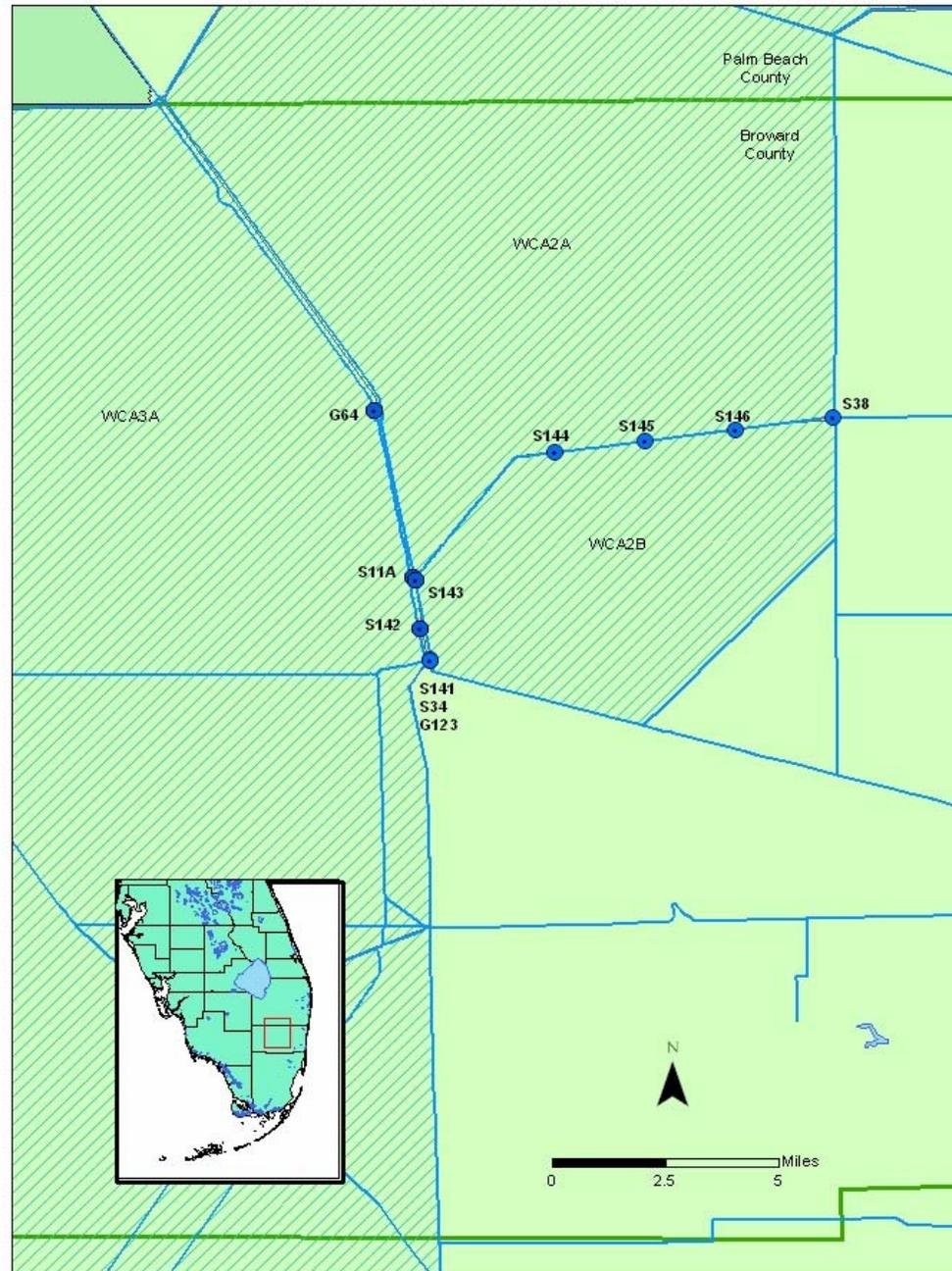
ENP SAMPLING LOCATIONS AFFECTED BY POP NECP MODIFICATIONS



WCA 1 SAMPLING LOCATIONS AFFECTED BY POP NECP MODIFICATIONS



WCA 2 SAMPLING LOCATIONS AFFECTED BY POP NECP MODIFICATIONS



WCA 3 SAMPLING LOCATIONS AFFECTED BY POP NECP MODIFICATIONS

