FORM 1
Configuration Name: Reservoir within Lake Okeechobee_

INSTRUCTIONS
Summary Sheet of Proposed Configuration

Instructions – Authors with Assistance of Facilitator Complete *FORM 1* for Each Proposed Configuration. **Bold items required.**
*For all of the forms with the Instructions of "*Authors with Assistance of Facilitator Complete . . .*" should be completed at the Workshop. The form can be filled in by the Authors or filled in by the Facilitator based on the information provided by the Authors, whichever the Authors prefer. If filled in by the Authors, the Facilitator will review for legibility, understandability, and completeness. If filled in by the Facilitators, Authors should review for accurate representation of their Configuration.*
==========

Configuration Name: __Reservoir within Lake Okeechobee_____
_____
Assist Authors of Proposed Configuration with Establishing a Unique and Descriptive Name of the Proposed Configuration. This Name will be used for all future presentations and documentation to describe that Proposed Configuration

Authors of Configuration: Kevin McCarthy, Tom MacVicar, Rebecca Elliott, Linda McCarthy, and _Scott McCaleb
List the Name of Every Individual that created and contributed to this Configuration during the exercise

Spokesperson Name and Contact Info: Kevin McCarthy, 863-228-0360_
_____
The Authors need to select a Spokesperson for the Configuration who will present the Configuration at the second day of the Workshop and who will be the point of contact for the Facilitator during the Evaluation phase. Need name, email address, and phone number.

Facilitator Name and Contact Info: Janet Starnes, 561-281-3330
_____
Name, email address, and phone number of District Facilitator who will be the point of contact with the Spokesperson and the Evaluation Team.
==========

Configuration's General Description:
150,000 acre reservoir in the northeastern portion of Lake Okeechobee, flows from Kissimmee River will NOT go in to the reservoir but rather into the Lake proper. (1)

Conveyance for a monthly average flow of 8,000 cfs from Lake Okeechobee to STA 9 (4) and the Holey Land Flowway (3).

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STA at the southern end of the EAA on Holey Land (3) and Compartment A/Talisman (STA 9 [4]) parcel.

The Holey Land (3) will function as a flowway.

STA 7 (5) will be constructed on USSC lands immediately west of STA 5 which will receive water from the S-4 Basin.

Conveyance (6) from the S-4 Basin to the STA 7 west of STA 5.

Implementation of the Nicodemus Slough (7) management measure from the Lake O Phase 2 Plan (LO12k). Potential to store 30,000 acre feet on 18,000 acres.

This description should be able to convey the general aspects, elements, and general location of this configuration. Think of this description as a one page slide in a WRAC or Governing Board presentation. The general location information would be north of south of lake Okeechobee and if located solely or partially on USSC lands.

List Percentage of any Performance Measure (PM) / Indicator (I) Evaluated by RESOPs to be Achieved by Proposed Configuration: NA for this team

PM / I: _____ Percentage: _____
PM / I: _____ Percentage: _____
PM / I: _____ Percentage: _____
PM / I: _____ Percentage: _____
PM / I: _____ Percentage: _____

Additional PM / I Information: _____
_____
_____
_____
_____

Complete only if the Authors have a specific PM / I that they want to make certain is met by this configuration. An Example – LO - Below Stage Envelope performance of 50% or better*. Use the list of PM / I in the Facilitator's Packet as needed. Also, if specific questions or need clarifications, flag down Cal Neidrauer and Walter Wilcox. If nothing provided, the Proposed Configuration will be evaluated to optimize all PM /I as best as possible.*

FORM 1
Configuration Name: Reservoir within Lake Okeechobee_

Anticipated Benefits of Proposed Configuration Not Evaluated by RESOPs (examples – ecologic or economic benefits):
Propose no major construction north of the Lake which will retain the ecological significance of the lands north of the lake.

Takes no additional land out of agricultural production.

Maximizes ecologic and economic benefits of the 16-county area.

Reduces storm surge potential within Lake Okeechobee.

Opportunity for resolving the mud problems in the Lake by segregating the mud in the reservoir.
List any additional benefits anticipated from the Proposed Configuration by the Authors that RESOPs can not evaluate (Benefits not listed as a PM / I). These benefits may be ecological, economical, etc.

Proposed Configuration Estimated Cost in 2009 Dollars
(unless otherwise specified, includes real estate, ecological remediation, design, construction, engineering during construction, construction management, and contingency costs):
This plan allows money to be spent=g on construction rather than land acquisition allowing for near-term construction.

Nicodemus Slough (7) has the potential to be a public/private partnership.
If they have a cost estimate, please ask them to provide. If the cost estimate obtained during the evaluation phase is significantly different, we can contact the Spokesperson and attempt to clarify. Verify if the estimate provided includes all of the items listed about. If not, list which items the estimate does include. If they do not have an estimate, that is okay.

Overall Operational Assumptions for RESOPs to be Utilized During Evaluation of Configuration:
Modelers are to optimize lake operations.
List anything specifically the Authors want relative to the operation of the configuration not listed elsewhere on FORM 1. Examples might be a specific Lake Okeechobee Regulation Schedule, specific high and low levels for Lake Okeechobee, only gravity flow from Lake Okeechobee, the ability or no ability to divert water from Lake Okeechobee to the north, storage component can never go dry, only a specified flow target for the Everglades, STAs can go dry or must always have water, no harmful discharges to estuaries, etc. Specifying any of these types of conditions may limit the benefits the configuration would achieve based on RESOPs instead of RESOPs optimizing the operating parameters as best as possible.

FORM 1
Configuration Name: Reservoir within Lake Okeechobee_

Key Elements Not Mentioned Elsewhere:
Implementation of BMPS north of the Lake as indicated in the Lake Okeechobee Phase 2 Plan are critical to successful reduction of phosphorus .loading to Lake Okeechobee._

Implementation of FRESP as indicated in the Lake Okeechobee Phase 2 Plan are critical to successful reduction of phosphorus .loading to Lake Okeechobee._This will also restore wetland systems north of the Lake.
List the main aspects that are the biggest concern to the Authors that have not been mentioned elsewhere on this FORM 1. Examples might be gravity flow from Lake Okeechobee, no storage over 4 feet deep, a shallow flowway that conveys and treats water, all construction located west of the Miami Canal, no deep storage, no ASRs, etc. These items you might pick up during the course of the 2-day Workshop.

Performance Measures

The Reservoir within Lake Okeechobee configuration achieves the following percentage of performance measures:

Greater than 95%	**Northern Estuaries**
100%	**Lake Okeechobee Stage**
Greater than 90%	**Everglades Demand Target Delivered**
Greater than 90%	**Dry Season Everglades Demand Target**
400,000 ac-ft	**Increase in Average annual Flow to Everglades**

FORM 2
Configuration Name: Reservoir within Lake Okeechobee

INSTRUCTIONS
Summary Sheet of Components
For Proposed Configuration

Instructions – Authors with Assistance of Facilitator Complete *FORM 2* for Each Proposed Configuration. **Bold items required.**
It may be easier to complete this form after the Authors have drawn an initial configuration on a map.
==========

Configuration Name (from *FORM 1*): Reservoir within Lake Okeechobee

==========

Provide Name and Circle Primary Function(s) of Each Component of Proposed Configuration (a component can have more than one primary function):

1. Lake Okeechobee Reservoir (Within Lake) Storage / Treatment / Conveyance
2. Conveyance from Lake to STAs Storage / Treatment / Conveyance
3. Holey Land Flowway Storage / Treatment / Conveyance
4. STA 9 Storage / Treatment / Conveyance
5. STA 7 Storage / Treatment / Conveyance
6. Conveyance for STA 7 Storage / Treatment / Conveyance
7. Nicodemus Slough Storage / Treatment / Conveyance
8. _____ Storage / Treatment / Conveyance
9. _____ Storage / Treatment / Conveyance
10. _____ Storage / Treatment / Conveyance
11. _____ Storage / Treatment / Conveyance
12. _____ Storage / Treatment / Conveyance

Establish a Unique and Descriptive Name for each component within the proposed configuration. This name and the corresponding number will be used throughout the evaluation phase for this Configuration. The primary function of a component is based on the desires of the Authors. Typically, a reservoir stores water although it may provide some treatment – a reservoir typically is just considered a storage component. Similarly, a Stormwater Treatment Area is considered a treatment component although it does provide some storage. However, a flowway may be considered a storage, treatment, and conveyance feature and the Authors want all three functions to be primary functions. Also, ask the Authors to add these component numbers to the map they are drawing on to assist in verifying the location of each component.

A separate FORM 3 will be completed for EACH Storage Component listed above. A separate FORM 4 will be completed for EACH Treatment Component listed above. A separate FORM 5 will be completed for EACH Conveyance Component listed above. If a component is both Storage and Treatment,

complete FORM 3 first and provide any missing information in Form 4. Similarly, if a component is both Treatment and Conveyance, complete FORM 4 first and provide any missing information in Form 5. If a component is both Storage and Conveyance, complete FORM 3 first and provide any missing information in Form 5. And Lastly, If a component is Storage, Treatment, and Conveyance, complete FORM 3 first, then provide any missing information in Form 4, and any remaining missing information in Form 5.

General Description of How Water Flows Through the Proposed Configuration:

Construct a 150,000 acre reservoir (1)(1.2 million acre feet) of storage within Lake Okeechobee in the northeastern portion of the Lake. Flows from the Kissimmee River will flow in to the Lake not the reservoir. The reservoir will be filled by pumping water from the Lake or run-off north of the lake.

Improve existing conveyance (2) from Lake Okeechobee south to the proposed STA 9 and the Holey Land Flowway. The conveyance capacity was assumed to be a monthly average of 8,000 cubic feet per second. Modelers to optimize.

The Holey Land Flowway (3) will consist of 38,000 acres, 2 feet deep on the Holey Land parcel.

STA 9 (4) will be constructed on the Compartment A/Talisman parcel and will consist of 35,000 acre, 2 feet deep. Both the Holey Land Flowway and STA 9 will provide flows to the Everglades.

STA 7 (5) will be constructed on the USSC parcel due west of STA 5 consisting of 17,000 acres, 2 feet deep and will accept flows from the S-4 Basin.

Improve existing conveyance (6) from S-4 Basin to STA 7.

The Nicodemus Slough (7) component is the same as management measure LO12k and can potentially store 15,000 to 30,000 acre feet on 15,129 acres in an area surrounding Nicodemus Slough near Fisheating Creek. Flows can go to either the Lake or the Caloosahatchee River depending on need to meet established performance measures.

The Authors should be able to generally describe how the water gets from the originating water source (for example, Lake Okeechobee) to the final destination of the water. As much as possible, the Authors should utilize the names of the components specified above and all of those specified components should be included in the description. If they do not have specific conveyance components defined, then the Evaluation Team will include the proper conveyance to follow the path they have described. For example, the description above may be "Water flows from Lake Okeechobee down the North New Miami River Canal, to

Configuration Name: Reservoir within Lake Okeechobee

Component No. 1 Flowway, discharges to a canal, enters Component No. 2 Stormwater Treatment Area, discharges into the Everglades." Or "Water flows from Kissimmee River to Component No. 3 Reservoir and to Lake Okeechobee." Then, the Evaluation team will add the conveyance components that fit the requirements of the other information provided by the Authors to insure the Configuration is functionally viable.

FORM 3
Configuration Name: Reservoir within Lake Okeechobee

INSTRUCTIONS
Summary Sheet of a Storage Component
For Proposed Configuration

Instructions – Authors with Assistance from Facilitator Complete a Separate *FORM 3* for Each Storage Component Included in the Proposed Configuration. **Bold items required.**

*Note – One of these forms is completed for **EACH** Storage Component as identified on FORM 2. This FORM 3 is to capture any additional specific information about the Storage Component not already provided in FORM 1 and FORM 2.*
==========

Configuration Name (from *FORM 1*): Reservoir within Lake Okeechobee

Component Number and Name (from *FORM 2*): 1 - Lake Okeechobee Reservoir (Within Lake)
==========

General Description of Storage Component: Construct a 150,000 acre reservoir of storage within Lake Okeechobee in the northeastern portion of the Lake. Surface elevation of reservoir will be 23 feet which provides an additional 8 feet of storage over the current allowable maximum of surface elevation in Lake Okeechobee of 15 feet. This will result in 1.2 million acre feet of storage.

Flows from the Kissimmee River will flow in to the Lake not the reservoir. The reservoir will be filled by pumping water from the Lake or run-off north of the lake.

Water from the reservoir would be available for use by permitted users in the LOSA or for environmental delivery to the Everglades.
Encourage the Authors to be descriptive about the features of the component that matters most to them.

Type of Storage:
XXX__Deep _____ Shallow _____ Dispersed
_____ Storage Below Ground Elevation _____ Storage Above Ground Elevation
Deep Storage is generally over 4 feet water depth. Shallow Storage is generally less than 4 feet water depth. Dispersed Storage is generally water in wetlands, over natural lands, or flooded ranchlands.

Storage Below Ground Elevation is water level below surrounding ground surface such as a lake or in-ground reservoir. Storage Above Ground Elevation is water level above surrounding ground surface such as a reservoir. It is possible for a

component to have both Below and Above Ground Storage such as a reservoir excavated 4 feet below surrounding ground surface and water is able to be stored up to 6 feet above ground surface.

Check Most Important Feature(s) of Storage Component (if any) (check all features that are critical to Authors; if not checked then the proposed configuration will be optimized for this feature):

_____ Volume – Provide volume required in ac-ft _____
(Facilitator will convert information to ac-ft as necessary)

_____ Water Depth – Provide depth in feet _____

_____ Total Acres of Land – Provide acreage _150,000 acres of lake ___
(Facilitator will include acreage for component infrastructure as necessary)

_____ Ability to Meet A Specific Performance Measure (PM) / Indicator (I)
PM / I: _____ Percentage _____

Additional PM / I Information: _____
_____

_____ Cost – Provide maximum allowed cost _____

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the storage component must have 1 million ac-ft of storage, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

General Component Location:
(provide details on the required location of the component in addition to the information drawn on the map, examples –

- *anywhere north of Lake Okeechobee*
- *only on US Sugar Lands west of L-19 Canal*
- *any lands between L-19 Canal and New Miami River Canal*)

List Counties: Okeechobee, Martin, and Palm Beach counties___
Description: Northeastern section of Lake Okeechobee___
Provide additional information about the location of the component if needed to ensure the component is sited at the desired location. The Authors do not need

to be specific. If no additional information provided, the Evaluation Team will utilize the information shown on the map and more specifically site the component to reduce costs and increase benefits.

General Description of Storage Component Operations:

_____
_____
_____
_____
_____
_____

If the Authors envision this component to be operated a certain way, this is where they need to describe that operation. For example, "water elevation would always be above 2 feet so that it never goes dry and does not create ponding and traps wildlife in isolated pools".

Check Most Important Operational Feature(s) of Storage Component (if any) (check all features that are critical to Authors; if not checked then the proposed configuration will be optimized for this feature):

_____ Inflow Capacity – Provide inflow in cubic feet per second _____
(Facilitator will convert information to cfs as necessary)

_____ Inflow Type – Select _____Gravity _____ Pump_____ Both

_____ Outflow Type – Select _____Gravity _____ Pump_____ Both

_____ Ability To Go Dry – Select _____ Yes _____ No _____ No Preference

_____ Internal Cells – Select _____ Yes _____ No _____ No Preference

If yes, how many cells? _____ Cells _____ Leave up to optimization

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the storage component must have only gravity inflow, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

FORM 3
Configuration Name: Reservoir within Lake Okeechobee

INSTRUCTIONS
Summary Sheet of a Storage Component
For Proposed Configuration

Instructions – Authors with Assistance from Facilitator Complete a Separate *FORM 3* for Each Storage Component Included in the Proposed Configuration. **Bold items required.**

*Note – One of these forms is completed for **EACH** Storage Component as identified on FORM 2. This FORM 3 is to capture any additional specific information about the Storage Component not already provided in FORM 1 and FORM 2.*

==========

Configuration Name (from *FORM 1*): Reservoir within Lake Okeechobee

---

Component Number and Name (from *FORM 2*): 7- Nicodemus Slough

==========

General Description of Storage Component: The Nicodemus Slough (7) component is the same as management measure LO12k and will store 30,000 acre feet on 18,000 acres in an area surrounding Nicodemus Slough near Fisheating Creek. Inflow would be from C-5 on western side of Lake Okeechobee. Flows can go to either the Lake or the Caloosahatchee River depending on need to meet established performance measures. Flow to the Caloosahatchee River will be through C-19.

Encourage the Authors to be descriptive about the features of the component that matters most to them.

Type of Storage:

_____ Deep _XXXX____ Shallow _____ Dispersed

_____ Storage Below Ground Elevation _XXX_ Storage Above Ground Elevation

Deep Storage is generally over 4 feet water depth. Shallow Storage is generally less than 4 feet water depth. Dispersed Storage is generally water in wetlands, over natural lands, or flooded ranchlands.

Storage Below Ground Elevation is water level below surrounding ground surface such as a lake or in-ground reservoir. Storage Above Ground Elevation is water level above surrounding ground surface such as a reservoir. It is possible for a component to have both Below and Above Ground Storage such as a reservoir excavated 4 feet below surrounding ground surface and water is able to be stored up to 6 feet above ground surface.

FORM 3
Configuration Name: Reservoir within Lake Okeechobee

Check Most Important Feature(s) of Storage Component (if any) (check all features that are critical to Authors; if not checked then the proposed configuration will be optimized for this feature):

_____ Volume – Provide volume required in ac-ft _30 – 32,000 ac-ft_____
(Facilitator will convert information to ac-ft as necessary)

_____ Water Depth – Provide depth in feet _average 2 feet_____

_____ Total Acres of Land – Provide acreage _18,000_____
(Facilitator will include acreage for component infrastructure as necessary)

_____ Ability to Meet A Specific Performance Measure (PM) / Indicator (I)
PM / I: _____ Percentage _____

Additional PM / I Information: _____
_____

_____ Cost – Provide maximum allowed cost _____

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the storage component must have 1 million ac-ft of storage, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

General Component Location:
(provide details on the required location of the component in addition to the information drawn on the map, examples –
- *anywhere north of Lake Okeechobee*
- *only on US Sugar Lands west of L-19 Canal*
- *any lands between L-19 Canal and New Miami River Canal*)

List Counties: ___Glades County_____
Description: _Nicodemus Slough near Fisheating Creek, northern boundary is Herbert Hoover Dike_
Provide additional information about the location of the component if needed to ensure the component is sited at the desired location. The Authors do not need to be specific. If no additional information provided, the Evaluation Team will

utilize the information shown on the map and more specifically site the component to reduce costs and increase benefits.

General Description of Storage Component Operations: Refer to the Feasibility Study that was completed for the District concerning this component.
If the Authors envision this component to be operated a certain way, this is where they need to describe that operation. For example, "water elevation would always be above 2 feet so that it never goes dry and does not create ponding and traps wildlife in isolated pools".

Check Most Important Operational Feature(s) of Storage Component (if any) (check all features that are critical to Authors; if not checked then the proposed configuration will be optimized for this feature):

_____ Inflow Capacity – Provide inflow in cubic feet per second _____
(Facilitator will convert information to cfs as necessary)

_____ Inflow Type – Select _____Gravity _____ Pump_____ Both

_____ Outflow Type – Select _____Gravity _____ Pump_____ Both

_____ Ability To Go Dry – Select _____ Yes _____ No _____ No Preference

_____ Internal Cells – Select _____ Yes _____ No _____ No Preference

If yes, how many cells? _____ Cells _____ Leave up to optimization

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the storage component must have only gravity inflow, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

FORM 4
Configuration Name: Reservoir within Lake Okeechobee

INSTRUCTIONS
Summary Sheet of a Treatment Component
For Proposed Configuration

Instructions – Authors with Assistance from Facilitator Complete a Separate *FORM 4* for Each Treatment Component Included in the Proposed Configuration. **Bold items required.**

*Note – One of these forms is completed for **EACH** Treatment Component as identified on FORM 2. This FORM 4 is to capture any additional specific information about the Treatment Component not already provided in FORM 1 and FORM 2.*
==========

Configuration Name (from *FORM 1*): Reservoir within Lake Okeechobee

Component Number and Name (from *FORM 2*): 3 – Holey Land Flowway

==========

Does Treatment Component Also Have a Primary Function as a Storage Component? _____ Yes _XXX_ No
If yes, complete *FORM 3* first and only add information not provided in *FORM 3* to this *FORM 4*.

General Description of Treatment Component: The Holey Land Flowway (3) will consist of 35,000 acres, 2 feet deep on the Holey Land parcel.
Encourage the Authors to be descriptive about the features of the component that matters most to them.

Type of Treatment (check all that apply):
_____ Mechanized like a Chemical Treatment Plant
_____ Actively Managed like a Stormwater Treatment Area
XXXX Minimally Managed like a Wetlands
_____ Passively Managed like Natural Lands

Have the Authors check which of the above best describes the treatment component. This is especially important if they have defined a treatment component unlike anything we have experience with – checking one or more of the above will help in understanding what it is similar to.

FORM 4
Configuration Name: Reservoir within Lake Okeechobee

Check Most Important Feature(s) of Treatment Component (if any) (check all features that are critical to Authors; if not checked then the proposed configuration will be optimized for this feature):

_____ Volume of Water to be Treated – Provide volume in ac-ft _____
(Facilitator will convert information to ac-ft as necessary)

_____ Water Depth – Provide depth in feet: 2 feet_____

_____ Total Acres of Land – Provide acreage: 35,000 acres_____
(Facilitator will include acreage for component infrastructure as necessary)

_____ Ability to Meet A Specific Performance Measure (PM) / Indicator (I)
PM / I: _____ Percentage _____

Additional PM / I Information: _____
_____

_____ Cost – Provide maximum allowed cost _____

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the treatment component must be on 40,000 acres of land, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

General Component Location:
(provide details on the required location of the component in addition to the information drawn on the map, examples –

- *anywhere north of Lake Okeechobee*
- *only on US Sugar Lands west of L-19 Canal*
- *any lands between L-19 Canal and New Miami River Canal*)

List Counties: Palm Beach County
Description: Located on the Holey Land Parcel_
Provide additional information about the location of the component if needed to ensure the component is sited at the desired location. The Authors do not need to be specific. If no additional information provided, the Evaluation Team will utilize the information shown on the map and more specifically site the component to reduce costs and increase benefits.

FORM 4
Configuration Name: Reservoir within Lake Okeechobee

General Description of Treatment Component Operations:

_____
_____
_____
_____
_____
_____

If the Authors envision this component to be operated a certain way, this is where they need to describe that operation. For example, "natural un-recruited vegetation in the flowway will serve as the treatment component to obtain the required water quality for the Everglades".

Check Most Important Operational Feature(s) of Treatment Component (if any) (check all features that are critical to Authors; if not checked then the proposed configuration will be optimized for this feature):

_____ Reliability of Treatment Component – As compared to a Stormwater Treatment Area _____

_____ Inflow Capacity – Provide inflow in cubic feet per second _____
(Facilitator will convert information to cfs as necessary)

_____ Inflow Type – Select _____Gravity _____ Pump_____ Both

_____ Outflow Type – Select _____Gravity _____ Pump_____ Both

_____ Ability To Go Dry – Select _____ Yes _____ No _____ No Preference

_____ Internal Cells – Select _____ Yes _____ No _____ No Preference

If yes, how many cells? _____ Cells

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the inflow capacity is 1,000 cfs, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

Configuration Name: Reservoir within Lake Okeechobee

INSTRUCTIONS
Summary Sheet of a Treatment Component
For Proposed Configuration

Instructions – Authors with Assistance from Facilitator Complete a Separate *FORM 4* for Each Treatment Component Included in the Proposed Configuration. **Bold items required.**

*Note – One of these forms is completed for **EACH** Treatment Component as identified on FORM 2. This FORM 4 is to capture any additional specific information about the Treatment Component not already provided in FORM 1 and FORM 2.*

==========

Configuration Name (from *FORM 1*): Reservoir within Lake Okeechobee

Component Number and Name (from *FORM 2*): 4 – STA 9

==========

Does Treatment Component Also Have a Primary Function as a Storage Component? _____ Yes _XXX_ No

If yes, complete *FORM 3* first and only add information not provided in *FORM 3* to this *FORM 4*.

General Description of Treatment Component: STA 9 (4) will be constructed on the Compartment A/Talisman parcel and will consist of 35,000 acre, 2 feet deep. STA 9 will provide flows to the Everglades.
Encourage the Authors to be descriptive about the features of the component that matters most to them.

Type of Treatment (check all that apply):

_____ Mechanized like a Chemical Treatment Plant
__XXX__ Actively Managed like a Stormwater Treatment Area
_____ Minimally Managed like a Wetlands
_____ Passively Managed like Natural Lands

Have the Authors check which of the above best describes the treatment component. This is especially important if they have defined a treatment component unlike anything we have experience with – checking one or more of the above will help in understanding what it is similar to.

FORM 4
Configuration Name: Reservoir within Lake Okeechobee

Check Most Important Feature(s) of Treatment Component (if any) (check all features that are critical to Authors; if not checked then the proposed configuration will be optimized for this feature):

_____ Volume of Water to be Treated – Provide volume in ac-ft _____
(Facilitator will convert information to ac-ft as necessary)

_____ Water Depth – Provide depth in feet: 2 feet

_____ Total Acres of Land – Provide acreage 35,000 acres
(Facilitator will include acreage for component infrastructure as necessary)

_____ Ability to Meet A Specific Performance Measure (PM) / Indicator (I)
PM / I: _____ Percentage _____

Additional PM / I Information: _____
_____

_____ Cost – Provide maximum allowed cost _____

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the treatment component must be on 40,000 acres of land, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

General Component Location:
(provide details on the required location of the component in addition to the information drawn on the map, examples –

- *anywhere north of Lake Okeechobee*
- *only on US Sugar Lands west of L-19 Canal*
- *any lands between L-19 Canal and New Miami River Canal*)

List Counties: Palm Beach County
Description: Located on the Compartment A/Talisman parcel.
Provide additional information about the location of the component if needed to ensure the component is sited at the desired location. The Authors do not need to be specific. If no additional information provided, the Evaluation Team will

utilize the information shown on the map and more specifically site the component to reduce costs and increase benefits.

General Description of Treatment Component Operations:

_____
_____
_____
_____
_____
_____

If the Authors envision this component to be operated a certain way, this is where they need to describe that operation. For example, "natural un-recruited vegetation in the flowway will serve as the treatment component to obtain the required water quality for the Everglades".

Check Most Important Operational Feature(s) of Treatment Component (if any) (check all features that are critical to Authors; if not checked then the proposed configuration will be optimized for this feature):

_____ Reliability of Treatment Component – As compared to a Stormwater Treatment Area _____

_____ Inflow Capacity – Provide inflow in cubic feet per second _____ (Facilitator will convert information to cfs as necessary)

_____ Inflow Type – Select _____Gravity _____ Pump_____ Both

_____ Outflow Type – Select _____Gravity _____ Pump_____ Both

_____ Ability To Go Dry – Select _____ Yes _____ No _____ No Preference

_____ Internal Cells – Select _____ Yes _____ No _____ No Preference

If yes, how many cells? _____ Cells

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the inflow capacity is 1,000 cfs, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more

limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

FORM 4
Configuration Name: Reservoir within Lake Okeechobee

INSTRUCTIONS
Summary Sheet of a Treatment Component
For Proposed Configuration

Instructions – Authors with Assistance from Facilitator Complete a Separate *FORM 4* for Each Treatment Component Included in the Proposed Configuration. **Bold items required.**

*Note – One of these forms is completed for **EACH** Treatment Component as identified on FORM 2. This FORM 4 is to capture any additional specific information about the Treatment Component not already provided in FORM 1 and FORM 2.*

==========

Configuration Name (from *FORM 1*): Reservoir within Lake Okeechobee

Component Number and Name (from *FORM 2*): 5 – STA 7

==========

Does Treatment Component Also Have a Primary Function as a Storage Component? _____ Yes _XXX_ No

If yes, complete *FORM 3* first and only add information not provided in *FORM 3* to this *FORM 4*.

General Description of Treatment Component: STA 7 (5) will be constructed on the USSC parcel due west of STA 5 consisting of 17,000 acres, 2 feet deep and will accept flows from the S-4 Basin.

Encourage the Authors to be descriptive about the features of the component that matters most to them.

Type of Treatment (check all that apply):

_____ Mechanized like a Chemical Treatment Plant
XXX__ Actively Managed like a Stormwater Treatment Area
_____ Minimally Managed like a Wetlands
_____ Passively Managed like Natural Lands

Have the Authors check which of the above best describes the treatment component. This is especially important if they have defined a treatment component unlike anything we have experience with – checking one or more of the above will help in understanding what it is similar to.

Check Most Important Feature(s) of Treatment Component (if any) (check all features that are critical to Authors; if not checked then the proposed configuration will be optimized for this feature):

FORM 4
Configuration Name: Reservoir within Lake Okeechobee

_____ Volume of Water to be Treated – Provide volume in ac-ft _____
(Facilitator will convert information to ac-ft as necessary)

_____ Water Depth – Provide depth in feet __2 feet___

_____ Total Acres of Land – Provide acreage _17,000 acres_
(Facilitator will include acreage for component infrastructure as necessary)

_____ Ability to Meet A Specific Performance Measure (PM) / Indicator (I)
PM / I: _____ Percentage _____

Additional PM / I Information: _____
_____

_____ Cost – Provide maximum allowed cost _____

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the treatment component must be on 40,000 acres of land, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

General Component Location:
(provide details on the required location of the component in addition to the information drawn on the map, examples –

- *anywhere north of Lake Okeechobee*
- *only on US Sugar Lands west of L-19 Canal*
- *any lands between L-19 Canal and New Miami River Canal*)

List Counties: Hendry County__
Description: Located on the acreage owned by USSC immediately west of STA 5.

Provide additional information about the location of the component if needed to ensure the component is sited at the desired location. The Authors do not need to be specific. If no additional information provided, the Evaluation Team will utilize the information shown on the map and more specifically site the component to reduce costs and increase benefits.

FORM 4
Configuration Name: Reservoir within Lake Okeechobee

General Description of Treatment Component Operations:

_____
_____
_____
_____
_____
_____

If the Authors envision this component to be operated a certain way, this is where they need to describe that operation. For example, "natural un-recruited vegetation in the flowway will serve as the treatment component to obtain the required water quality for the Everglades".

Check Most Important Operational Feature(s) of Treatment Component (if any) (check all features that are critical to Authors; if not checked then the proposed configuration will be optimized for this feature):

_____ Reliability of Treatment Component – As compared to a Stormwater Treatment Area _____

_____ Inflow Capacity – Provide inflow in cubic feet per second _____
(Facilitator will convert information to cfs as necessary)

_____ Inflow Type – Select _____Gravity _____ Pump_____ Both

_____ Outflow Type – Select _____Gravity _____ Pump_____ Both

_____ Ability To Go Dry – Select _____ Yes _____ No _____ No Preference

_____ Internal Cells – Select _____ Yes _____ No _____ No Preference

If yes, how many cells? _____ Cells

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the inflow capacity is 1,000 cfs, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

INSTRUCTIONS
Summary Sheet of a Conveyance Component
For Proposed Configuration

Instructions – Authors with Assistance from Facilitator Complete a Separate *FORM 5* for Each Conveyance Component Included in the Proposed Configuration. **Bold items required.**

*Note – One of these forms is completed for **EACH** Conveyance Component as identified on FORM 2. This FORM 5 is to capture any additional specific information about the Conveyance Component not already provided in FORM 1 and FORM 2. If no specific conveyance component identified by the Authors, the Evaluation team will term the requirements to convey water from one component to another and this form would not need to be completed by the Authors.*

==========

Configuration Name (from *FORM 1*): Reservoir within Lake Okeechobee

Component Number and Name (from *FORM 2*): 2 - Conveyance from Lake O to STAs

==========

Does Conveyance Component Also Have a Primary Function as a Storage Component? _____ Yes _XXX_ No

If yes, complete *FORM 3* first and only add information not provided in *FORM 3* to this *FORM 5*.

Does Conveyance Component Also Have a Primary Function as a Treatment Component? _____ Yes _XXX_ No

If yes, complete *FORM 4* first and only add information not provided in *FORM 4* to this *FORM 5*.

General Description of Conveyance Component: Improve existing conveyance (2) from Lake Okeechobee south to the proposed STA 9 and the Holey Land Flowway. The conveyance capacity is assumed to be a monthly average of 8,000 cubic feet per second. Modelers to optimize.

Encourage the Authors to be descriptive about the features of the component that matters most to them. For example, the middle of the lined canal will be deeper to handle typical flows with the wider, shallow part of the canal designed for peak flows.

FORM 5
Configuration Name: Reservoir within Lake Okeechobee

Type of Conveyance:

___ Open Water with Water Level Below Ground Elevation
Surface Finish:
_____ Managed Vegetation _____ Natural Vegetation
_____ Lined _____ No Preference

___ Open Water with Water Level Above Ground Elevation
Surface Finish:
_____ Managed Vegetation _____ Natural Vegetation
_____ Lined _____ No Preference

___ Closed Pipe: ____ Below Ground Elevation ___ Above Ground Elevation

Managed Vegetation is vegetation within the conveyance feature is mowed and treated as necessary to minimize restriction to water flow. The banks are vegetated but with appropriate erosion protection as needed. This is similar to how the canals within the South Florida Water Management District are currently managed. Natural Vegetation is vegetation within the conveyance feature that is essentially allowed to grow naturally, not actively maintained, may restrict water flow, and may provide treatment benefit. The banks are vegetated but with appropriate erosion protection as needed.

Conveyance Feature: _____ New _XXX_ Enhancement of an Existing Canal
(provide name of existing canal) L24 and L18-19-20

Check Most Important Feature(s) of Conveyance Component (if any) (check all features that are critical to Authors; if not checked then the proposed configuration will be optimized for this feature):

_____ Volume of Water to be Conveyed – Provide volume in ac-ft _____
(Facilitator will convert information to ac-ft as necessary)

_____ Water Depth – Provide depth in feet _____

_____ Conveyance Width – Provide width in feet _____

_____ Total Acres of Land – Provide acreage _____
(Facilitator will include acreage for component infrastructure as necessary)

_____ Ability to Meet A Specific Performance Measure (PM) / Indicator (I)
PM / I: _____ Percentage _____

Additional PM / I Information: _____

FORM 5
Configuration Name: Reservoir within Lake Okeechobee

_____ Cost – Provide maximum allowed cost _____

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the water depth is 4 feet and volume is 1 million ac-ft, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

General Component Location:
(provide details on the required location of the component in addition to the information drawn on the map, examples –

- *anywhere north of Lake Okeechobee*
- *only on US Sugar Lands west of L-19 Canal*
- *any lands between L-19 Canal and New Miami River Canal*)

List Counties: Hendry County
Description: Enhancement of an Existing Canals - L24 and L18-19-20

Provide additional information about the location of the component if needed to ensure the component is sited at the desired location. The Authors do not need to be specific. If no additional information provided, the Evaluation Team will utilize the information shown on the map and more specifically site the component to reduce costs and increase benefits.

General Description of Conveyance Component Operations: Improve conveyance in existing canals to accommodate an additional 8,000 cfs (monthly average).

If the Authors envision this component to be operated a certain way, this is where they need to describe that operation. For example, "canal can go dry and will be capable of conveying flows no greater than 4,000 cfs".

Check Most Important Operational Feature(s) of Treatment Component (if any)
(check all features that are critical to Authors
; if not checked then the proposed configuration will be optimized for this feature):

_____ Inflow Capacity – Provide inflow in cubic feet per second _____
(Facilitator will convert information to cfs as necessary)

_____ Inflow Type – Select _____Gravity _____ Pump_____ Both

_____ Outflow Type – Select _____Gravity _____ Pump_____ Both

_____ Ability To Go Dry – Select _____ Yes _____ No _____ No Preference

_____ Internal Cells – Select _____ Yes _____ No _____ No Preference

If yes, how many cells? _____ Cells

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the inflow capacity is 6,000 cfs and both inflow and outflow by gravity, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

FORM 5
Configuration Name: Reservoir within Lake Okeechobee

INSTRUCTIONS
Summary Sheet of a Conveyance Component
For Proposed Configuration

Instructions – Authors with Assistance from Facilitator Complete a Separate *FORM 5* for Each Conveyance Component Included in the Proposed Configuration. **Bold items required.**

*Note – One of these forms is completed for **EACH** Conveyance Component as identified on FORM 2. This FORM 5 is to capture any additional specific information about the Conveyance Component not already provided in FORM 1 and FORM 2. If no specific conveyance component identified by the Authors, the Evaluation team will term the requirements to convey water from one component to another and this form would not need to be completed by the Authors.*

==========

Configuration Name (from *FORM 1*): Reservoir within Lake Okeechobee

Component Number and Name (from *FORM 2*): 6 - Conveyance for STA 7

==========

Does Conveyance Component Also Have a Primary Function as a Storage Component? _____ Yes _XXX_ No

If yes, complete *FORM 3* first and only add information not provided in *FORM 3* to this *FORM 5*.

Does Conveyance Component Also Have a Primary Function as a Treatment Component? _____ Yes _XXX_ No

If yes, complete *FORM 4* first and only add information not provided in *FORM 4* to this *FORM 5*.

General Description of Conveyance Component: Improve existing conveyance (6) from S-4 Basin to STA 7. Volume is undetermined.

Encourage the Authors to be descriptive about the features of the component that matters most to them. For example, the middle of the lined canal will be deeper to handle typical flows with the wider, shallow part of the canal designed for peak flows.

Type of Conveyance:

___ Open Water with Water Level Below Ground Elevation

Surface Finish:

FORM 5
Configuration Name: Reservoir within Lake Okeechobee

_____ Managed Vegetation _____ Natural Vegetation
_____ Lined _____ No Preference

___ Open Water with Water Level Above Ground Elevation
Surface Finish:
_____ Managed Vegetation _____ Natural Vegetation
_____ Lined _____ No Preference

___ Closed Pipe: ____ Below Ground Elevation ___ Above Ground Elevation

Managed Vegetation is vegetation within the conveyance feature is mowed and treated as necessary to minimize restriction to water flow. The banks are vegetated but with appropriate erosion protection as needed. This is similar to how the canals within the South Florida Water Management District are currently managed. Natural Vegetation is vegetation within the conveyance feature that is essentially allowed to grow naturally, not actively maintained, may restrict water flow, and may provide treatment benefit. The banks are vegetated but with appropriate erosion protection as needed.

Conveyance Feature: _____ New _XXX_ Enhancement of an Existing Canal
(provide name of existing canal) Clewiston Canal, L2 and L3

Check Most Important Feature(s) of Conveyance Component (if any) (check all features that are critical to Authors; if not checked then the proposed configuration will be optimized for this feature):

_____ Volume of Water to be Conveyed – Provide volume in ac-ft _____
(Facilitator will convert information to ac-ft as necessary)

_____ Water Depth – Provide depth in feet _____

_____ Conveyance Width – Provide width in feet _____

_____ Total Acres of Land – Provide acreage _____
(Facilitator will include acreage for component infrastructure as necessary)

_____ Ability to Meet A Specific Performance Measure (PM) / Indicator (I)
PM / I: _____ Percentage _____

Additional PM / I Information: _____
_____

_____ Cost – Provide maximum allowed cost _____

FORM 5
Configuration Name: Reservoir within Lake Okeechobee

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the water depth is 4 feet and volume is 1 million ac-ft, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

General Component Location:
(provide details on the required location of the component in addition to the information drawn on the map, examples –

- *anywhere north of Lake Okeechobee*
- *only on US Sugar Lands west of L-19 Canal*
- *any lands between L-19 Canal and New Miami River Canal*)

List Counties: Hendry County
Description: Enhancement of Existing Canals – Clewiston Canal, L2, L3
Provide additional information about the location of the component if needed to ensure the component is sited at the desired location. The Authors do not need to be specific. If no additional information provided, the Evaluation Team will utilize the information shown on the map and more specifically site the component to reduce costs and increase benefits.

General Description of Conveyance Component Operations: Improve existing conveyance t accommodate optimized flows from the S-4 Basin to STA 7.
If the Authors envision this component to be operated a certain way, this is where they need to describe that operation. For example, "canal can go dry and will be capable of conveying flows no greater than 4,000 cfs".

Check Most Important Operational Feature(s) of Treatment Component (if any)
(check all features that are critical to Authors
; if not checked then the proposed configuration will be optimized for this feature):

_____ Inflow Capacity – Provide inflow in cubic feet per second _____
(Facilitator will convert information to cfs as necessary)

_____ Inflow Type – Select _____Gravity _____ Pump_____ Both

_____ Outflow Type – Select _____Gravity _____ Pump_____ Both

_____ Ability To Go Dry – Select _____ Yes _____ No _____ No Preference

Configuration Name: Reservoir within Lake Okeechobee

_____ Internal Cells – Select _____ Yes _____ No _____ No Preference

If yes, how many cells? _____ Cells

Only the features above that are critical to the Authors should be checked. It is acceptable not to check any features above. The evaluation performed will be based on this critical information and this critical information will not be changed during the evaluation. For example, if the Authors state the inflow capacity is 6,000 cfs and both inflow and outflow by gravity, then other features during the evaluation will be modified as necessary to obtain that requirement within any other limitations provided. The more limitations or critical features specified, the more difficult it may be to achieve the benefits within a reasonable cost.

FORM 6
Configuration Name: Reservoir within Lake Okeechobee

INSTRUCTIONS

Summary Sheet of Infrastructure or Other Potential Impacts Due to the Proposed Configuration

Instructions – Authors with Assistance from Facilitator Complete a Separate *FORM 6* for Each Proposed Configuration. **Bold items required Bold items required.**

Try to complete this form during the Workshop by looking at the maps and the Google Earth files. This form highlights potential items that if impacted by the Proposed Configuration could significantly add costs to the configuration. If identified during the Workshop, this gives the Authors a chance to modify their configuration to potentially avoid this issues with potentially minimal impact to the overall performance of the Configuration.

==========

Configuration Name (from *FORM 1*): Reservoir within Lake Okeechobee

Component Number and Name (from *FORM 2*): _____
_____

==========

Check Which of the Following will be Potentially Impacted by the Construction of the Proposed Configuration:

_____ US Highways
_____ State Roads
_____ County Roads
_____ Private Roads
_____ Railroads
_____ Railroad Yards
_____ Power Transmission Lines
_____ Power Sub-Stations
_____ Canals
_____ Airports
_____ Mines
_____ Gas Lines
_____ Communication Facilities
_____ Agricultural Processing Plants
_____ Wetlands
_____ Threatened and Endangered Species
_____ 298 Districts
_____ Proposed Intermodal Locations
_____ Potential Future Urban Service Boundaries
_____ Others – Specify _____

_____ Others – Specify _____
_____ Others – Specify _____
_____ Others – Specify _____