

Configuration Name: Performance – Cost Plan

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.

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Configuration Name: Performance – Cost Plan

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 Henderson

List the Name of Every Individual that created and contributed to this Configuration during the exercise

Spokesperson Name and Contact Info: Kevin Henderson, St. Lucie River Initiative. (772) 223-1005

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: John Mitnik; (561) 718-4572
jmitnik@sfwmd.gov

Name, email address, and phone number of District Facilitator who will be the point of contact with the Spokesperson and the Evaluation Team.

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Configuration Name: Performance – Cost Plan

Configuration's General Description: This configuration focused primarily on meeting set performance standards derived for the performance charts that were given to the group (see next section). Utilizing the charts the group centered in on roughly 300,000 ac-ft of storage north of Lake Okeechobee and roughly 550,000 ac-ft south of Lake Okeechobee. The storage south of the lake is to be divided between both deep storage and shallow storage. The configuration also contains roughly 20,000 acres of natural biological treatment area. Another critical feature of this configuration is the inclusion of an emergency overflow and bypass facility south of Lake Okeechobee to be used during extreme events which threaten the integrity of the Herbert Hoover Dike.

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:

PM / I: <u>% Red. Lake Triggered High Disch to the N. Est.</u>	Percentage: <u>90%</u>
PM / I: <u>Everglades Demand Target</u>	Percentage: <u>90%</u>
PM / I: <u>Dry Season Everglades Demand Target</u>	Percentage: <u>85%<x<90%</u>
PM / I: _____	Percentage: _____
PM / I: _____	Percentage: _____

Additional PM / I Information: The PM/I values used above were derived from the shallow south storage graphics

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.

Anticipated Benefits of Proposed Configuration Not Evaluated by RESOPs (examples – ecologic or economic benefits):

N/A

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.

FORM 1

Configuration Name: Performance – Cost Plan

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):

N/A

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:

Ability to divert water from Lake Okeechobee to the north storage. STAs and shallow storage, if vegetated, must be hydrated sufficiently for survival of vegetation, no harmful discharges to Caloosahatchee or St. Lucie estuaries.

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.

Key Elements Not Mentioned Elsewhere:

To ensure the safety of the HHD an emergency overflow with a western alignment should be incorporated to potentially bypass the configuration components under extreme conditions and route water south towards the Big Cypress Basin. No ASR features should be included.

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.

Configuration Name: Performance – Cost Plan

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*): Performance – Cost Plan

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

- | | |
|---------------------------------|---|
| 1. <u>North Storage</u> | Storage / Treatment / Conveyance |
| 2. <u>South Deep Storage</u> | Storage / Treatment / Conveyance |
| 3. <u>South Shallow Storage</u> | Storage / Treatment / Conveyance |
| 4. <u>South Treatment</u> | Storage / Treatment / Conveyance |
| 5. <u>Emergency Bypass</u> | Storage / Treatment / Conveyance |
| 6. _____ | Storage / Treatment / Conveyance |
| 7. _____ | 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: Water originating in the basins north of Lake Okeechobee can be either diverted into Northern storage or be directed to Lake Okeechobee and subsequently diverted back into northern storage. Water flowing south from Lake Okeechobee would be directed to the South Deep Storage feature first then flow by gravity in a step down fashion to the South Shallow Storage feature. Upon exiting the South Shallow Storage water will be directed to the South Treatment feature prior to discharge to WCA-3A. Additionally, under extreme events water can be directed directly out of Lake Okeechobee south through the Emergency Bypass feature to the western corner of WCA-3A.

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 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.

Configuration Name: Performance – Cost Plan**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): Performance – Cost Plan

Component Number and Name (from FORM 2): 1 – North Deep Storage

General Description of Storage Component: This component consists of one or two deep storage reservoirs located in either/both the Indian Prairie Basin or the Fisheating Creek Basin. The combined total storage to be achieved is approximately 300,000 ac-ft.

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

Type of Storage:

X Deep Shallow Dispersed
 Storage Below Ground Elevation X 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.

X Volume – Provide volume required in ac-ft 300,000
(Facilitator will convert information to ac-ft as necessary)

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

Additional PM / I Information: _____

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.

- 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)

Description: Maintains connectivity to Lake Okeechobee

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FORM 3

Configuration Name: Performance – Cost Plan

General Description of Storage Component Operations: N/A

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.

Configuration Name: Performance – Cost Plan**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): Performance – Cost Plan

Component Number and Name (from FORM 2): 2 -South Deep Storage

General Description of Storage Component: An approximately 350,000 ac-ft above ground storage reservoir located south of Lake Okeechobee.

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

Type of Storage:

 X Deep Shallow Dispersed
 Storage Below Ground Elevation X 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.

X Volume – Provide volume required in ac-ft 350,000
(Facilitator will convert information to ac-ft as necessary)

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

Additional PM / I Information: _____

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.

- 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)

Description: An approximately 350,000 ac-ft deep storage reservoir south of Lake Okeechobee in the Everglades Agricultural Area. No preference as to USSC lands or other lands.

FORM 3, Page 2 of 2

Configuration Name: Performance – Cost Plan

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: N/A

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):

X Inflow Capacity – Provide inflow in cubic feet per second 6200
(Facilitator will convert information to cfs as necessary)

X Inflow Type – Select Gravity X Pump Both

X Outflow Type – Select X 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.

Configuration Name: Performance – Cost Plan**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): Performance – Cost Plan

Component Number and Name (from FORM 2): 3 - South Shallow Storage

General Description of Storage Component: An approximately 200,000 ac-ft above ground storage reservoir located south of Lake Okeechobee and south of the deep storage feature.

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

Type of Storage:

 Deep X Shallow Dispersed
 Storage Below Ground Elevation X 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.

X Volume – Provide volume required in ac-ft 200,000
(Facilitator will convert information to ac-ft as necessary)

 X Water Depth – Provide depth in feet 4

_____ 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

General Component Location:

- 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

Description: An approximately 200,000 ac-ft shallow storage reservoir south of Lake Okeechobee and south of the deep storage feature in the Everglades Agricultural Area. No preference as to USSC lands or other lands.

FORM 3, Page 2 of 2

Configuration Name: Performance – Cost Plan

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: Minimum water elevation needed to ensure vegetation survival.

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)

 X Inflow Type – Select X Gravity _____ Pump _____ Both

 X Outflow Type – Select X Gravity _____ Pump _____ Both

 X Ability To Go Dry – Select _____ Yes X 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.

Configuration Name: Performance – Cost Plan**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.*

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Configuration Name (from FORM 1): Performance – Cost Plan

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Component Number and Name (from FORM 2): 4 – South Treatment

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Does Treatment Component Also Have a Primary Function as a Storage Component? Yes ☒ 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: An approximately 20,000 ac natural / biological treatment area located in the southern portion of the Everglades Agricultural Area just south of the shallow storage component.

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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
- ☐ 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: Performance – Cost Plan

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

 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

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

Description: Located on the Talisman site in the southern Everglades
Agricultural Area.

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

General Description of Treatment Component Operations: Managed
stormwater treatment area. Minimum water depths need to ensure vegetation
survival.

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):

If yes, how many cells? _____ Cells

FORM 4, Page 3 of 3

Configuration Name: Performance – Cost Plan**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): Performance – Cost Plan

Component Number and Name (from FORM 2): 5- Emergency Bypass

Does Conveyance Component Also Have a Primary Function as a Storage Component? Yes X 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 X 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: This features consists of a conveyance feature to be utilized during extreme events to draw down Lake Okeechobee and potentially bypass the other configuration components to direct the water the northwest corner of WCA-3A in an effort to route water towards the Big Cypress Basin.

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

Configuration Name: Performance – Cost Plan

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:

☒ 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 ☒ Enhancement of an Existing Canal
(provide name of existing canal) Miami Canal, L-1, L-1E, L-2, L-3, L-4, L-5, L-28

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 7,500
(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 _____

FORM 5

Configuration Name: Performance – Cost Plan

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 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: Palm Beach, Hendry

Description: _____

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:

FORM 5

Configuration Name: Performance – Cost Plan

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.

Configuration Name: Performance – Cost Plan**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.

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Configuration Name (from *FORM 1*): Performance – Cost PlanComponent Number and Name (from *FORM 2*): 2 – South Deep Storage

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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

FORM 6

Configuration Name: Performance – Cost Plan

_____ Potential Future Urban Service Boundaries

Others – Specify _____

Others – Specify _____

Others – Specify _____

Others – Specify _____

Configuration Name: Performance – Cost Plan**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*): Performance – Cost Plan

Component Number and Name (from *FORM 2*): 3 – South Shallow Storage

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

FORM 6

Configuration Name: Performance – Cost Plan

_____ Potential Future Urban Service Boundaries

Others – Specify _____

Others – Specify _____

Others – Specify _____

Others – Specify _____

Configuration Name: Performance – Cost Plan**INSTRUCTIONS****Summary Sheet of Infrastructure or Other Potential Impacts
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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*): Performance – Cost Plan

Component Number and Name (from *FORM 2*): 3 – South Treatment

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

FORM 6

Configuration Name: Performance – Cost Plan

_____ Others – Specify _____

_____ Others – Specify _____

_____ Others – Specify _____

_____ Others – Specify _____