

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: Restoration Plus Employment

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: Joan Davis, League of Women Voters
Bevin Beaudet, Palm Beach County

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

Spokesperson Name and Contact Info: Joan Davis for Presentation at Workshop, Bevin Beaudet for follow-up questions.

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: Agnes Ramsey, aramsey@sfwmd.gov, 681-2563 ext. 3738

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’s General Description: This configuration includes both north (300,000 ac-ft) and south (900,000 ac-ft) storage with a treatment facility in the south that will provide adequate sizing for treatment of flows from the south

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reservoir that assumed the reservoir provides TP treatment, addt. flows of 350,000 AF/yr and Assumed Lake TP of 100 to 150 ppb. In addition, since the location of the Inland Port is critical for economic development this configuration avoids the Inland Port site south of South Bay as well as the rail and highway infrastructure necessary for the Inland Port. Maximizing existing state-owned lands and USSC land. Meet stringent Lake O discharge and delivery performance standards (90 – 95%), preservation of economic development options south of South Bay.

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: Reduction in Estuary Discharge	Percentage: 95%
PM / I: High Stage Lake O Envelope	Percentage: 84%
PM / I: Everglades Demand / Dry Season	Percentage: 93 / 91%
PM / I: Increase in Mean Annual Flow to Everglades	Percentage: 370K AF
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.

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

Does Not impede prospective Inland Port while meeting restoration goals.

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.

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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):

Leaving up to the Cost Experts

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:

Gravity flow where possible from Lake Istokpoga to fill northern reservoir supplemented by Kissimmee River and Lake Okeechobee. Gravity flow from the northern reservoir to Lake Okeechobee when needed. Exercise any options to store flows in the south.

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:

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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.

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.

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Configuration Name (from *FORM 1*): Restoration Plus Employment
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Provide Name and Circle Primary Function(s) of Each Component of Proposed Configuration (a component can have more than one primary function):

- | | |
|---|---|
| 1. North of Lake Storage (Deep) 300K AF | Storage / Treatment / Conveyance |
| 2. Between N. Storage & Lake | Storage / Treatment / Conveyance |
| 3. Between Lake O. and South Storage | Storage / Treatment / Conveyance |
| 4. South of Lake Storage (Deep) 900K AF | Storage / Treatment / Conveyance |
| 5. +/- 20K acre STA | 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

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*.*

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Configuration Name (from *FORM 1*): Restoration Plus Employment

Component Number and Name (from *FORM 2*): #1 – North of Lake Okeechobee Storage

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General Description of Storage Component: 30,000 acre or 300,000 ac-feet of storage in the Indian Prairie area to capture high flows from Lake Istokpoga via gravity and potentially capture high flows from the Kissimmee River and Lake Okeechobee via pumping. Outflows via gravity if possible to Lake Okeechobee for downstream needs.

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

Type of Storage:

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.

FORM 3

Configuration Name: Restoration Plus Employment

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 **300,000 ac-ft**
(Facilitator will convert information to ac-ft as necessary)

_____ Water Depth – Provide depth in feet **10 feet**

_____ Total Acres of Land – Provide acreage **30,000 acres**
(Facilitator will include acreage for component infrastructure as necessary)

_____ Ability to Meet A Specific Performance Measure (PM) / Indicator (I)
PM / I: Reduction in Estuary Discharge Percentage 95%

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:

Highland

Description: Indian Prairie Basin

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:

Flexible

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

FORM 3

Configuration Name: Restoration Plus Employment

_____ 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.

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.*

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Configuration Name (from FORM 1): Restoration Plus Employment

Component Number and Name (from FORM 2): #4 South Storage (Deep)

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General Description of Storage Component: 75,000 acre or 900,000 ac-feet of storage generally located between the L-2 Canal and the North New River / US27 and the Rotenberger and Holey Land and the rail lines west of South Bay area to capture high flows from Lake Okeechobee via gravity if possible and via pumping. Outflows via gravity if possible to Stormwater Treatment Area and the flows to the south.

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

Type of Storage:

XX 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.

FORM 3

Configuration Name: Restoration Plus Employment

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 900,000 ac-ft
(Facilitator will convert information to ac-ft as necessary)

_____ Water Depth – Provide depth in feet 10 – 12 feet

_____ Total Acres of Land – Provide acreage 75,000 – 83,000 acres
(Facilitator will include acreage for component infrastructure as necessary)

_____ Ability to Meet A Specific Performance Measure (PM) / Indicator (I)
PM / I: **Multiple PMs apply** _____ 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: Palm Beach and Hendry Counties

Description: Western Palm Beach County south of Lake Okeechobee & north of Rotenberger and Holey Land.

FORM 3

Configuration Name: Restoration Plus Employment

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:

Flexible _____

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

FORM 3

Configuration Name: Restoration Plus Employment

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.

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): Restoration Plus Employment

Component Number and Name (from FORM 2): #5 +/- 20K acre STA

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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: _Approximately 20,000 acre Stormwater Treatment Area sited in the general location of the EAA A-1 Reservoir site in western Palm Beach County. The STA size should be modified to treat full South Storage Reservoir final capacity.

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.

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.

FORM 4

Configuration Name: Restoration Plus Employment

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.