FORM 1
Configuration Name: _____

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:
__Performance_____
_____
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: _Tom Van Lent, Paul Gray, Mark Oncavage, Cynthia Plockelman, Maggy Hurchalla, Joanne Davis, Lisa Interlandi, Jennifer Nelson, Karl Wickstrom_____
_____
_____
_____
_____
List the Name of Every Individual that created and contributed to this Configuration during the exercise

Spokesperson Name and Contact Info: _Tom Van Lent
305/251-0001x230_____
_____
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: __Susan Gray, x6919; David Unsell, x6888_____
_____
Name, email address, and phone number of District Facilitator who will be the point of contact with the Spokesperson and the Evaluation Team.
==========

FORM 1
Configuration Name: _____

Configuration's General Description: _Performance Oriented. Total Storage 1,400,000 ac-ft. 200,000 ac-ft North of Lake, 1,200,000 ac-ft south of Lake. 34,000 acres of additional STAs south of Lake. Include implementation of FRESP north of lake, but no specific acreage.
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

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: ___Lake Okeechobee High Stage_____ Percentage: 85%_____
PM / I: _Reduction of damaging flows to estuaries_____ Percentage: _95%_____
PM / I: _Everglades dry season deliveries_____ Percentage: _90 % or better_____
PM / I: _____ Percentage: _____
PM / I: _____ Percentage: _____

Additional PM / I Information: Siting of north reservoir in Indian Prairie Basin; ability to intercept Kissimmee River flows. Concerns about siting features north of lake: availability of lands, costs, engineering, size of parcels, willing sellers. Noted that any volume above 450,000 ac-ft did not provide additional benefits to estuaries and everglades._____
South of lake: looking approximately 100,000 acres for storage facility and additional 34,000 acres for STAs. Concern for conveyance of water to storage

centered on US 27/SR80 crossing and mill locations and would avoid all populated areas. Perceived options for storage location: 1) between NNR and Miami Canal; 2) straddling Miami Canal; 3) west side of Miami Canal. Use Talisman property for STA._If constraints were relaxed (estuaries 90%, lake 80%, everglades 85%) what are reductions in benefits (lay terms) and costs._____
_____
_____
_____

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):
_FRESP. How or if water supply to coastal wellfields is affected if 100,000 acres of sugar cane is removed from production. Is flood protection of local communities or adjacent agriculture affected.

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

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):

_____
_____

Configuration Name: _____

_____
_____
_____

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:
__Pumps where needed. Conveyance and storage facilities that do not impact flood protection or water supply. Maintain minimum flows to 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:
_____
_____
_____
_____
_____
_____
_____

Configuration Name: _____

_____
_____
_____

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.

FORM 2
Configuration Name: Performance

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_____
_____

==========

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

1. North Reservoir, Indian Prairie, 200K ac-ft_____ Storage /
2. South Reservoir, 1.2M ac-ft _____ Storage /
3. Talisman STA, 34K acres_____ Treatment
4. _____ Storage / Treatment / Conveyance
5. _____ 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: North to South_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

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.

FORM 3
Configuration Name: _____

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 Group_____
_____

Component Number and Name (from *FORM 2*): 1, Indian Prairie Reservoir___
_____
==========

General Description of Storage Component: Reservoir with 200K ac-ft capacity._____
_____
_____
_____
_____
_____
_____

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.

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):

__X_ Volume – Provide volume required in ac-ft 200,000_____
(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 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: Likely to be in Glades County, needs to be in Indian Prairie region.
Description: Should be consistent with Lake Okeechobee Watershed Project.
Location influenced by land availability, cost and willing sellers.

_____
_____

FORM 3
Configuration Name: _____

_____
_____
_____
_____
_____
_____
_____
_____

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: _____

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_____
_____

Component Number and Name (from *FORM 2*): Component 2, South Reservoir
_____
==========

General Description of Storage Component: Reservoir to provide 1.2M ac ft of storage.
_____
_____
_____
_____
_____
_____
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.

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):

__x__ Volume – Provide volume required in ac-ft 1.2M 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 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: Likely to be Palm Beach or Hendry, but not specifically restricted_
Description: General siting options were between North New River and Miami Canals or Straddling the Miami Canal or west of Miami Canal. Avoid mills for cost reasons. Avoid populated areas. Concern expressed about how to flow water across US27/SR80 and expense of this undertaking.

FORM 3
Configuration Name: _____

_____
_____
_____
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_____
_____
_____
_____

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 4
Configuration Name: _____

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*): Performance_____
_____

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

==========

Does Treatment 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 4*.

General Description of Treatment Component: Estimated to be 34,000 acres in size. The STA needs to be sized to treat peak flows anticipated without damage to the STA itself.

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

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

FORM 4
Configuration Name: _____

Type of Treatment (check all that apply):

_____ Mechanized like a Chemical Treatment Plant
__x____ 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: _____

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: Likely to be Palm Beach or Hendry _____
Description: Needs to be south of reservoir and adjacent to WCAs.

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

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: Sized to not be damaged by peak flows.

_____
_____
_____
_____
_____
_____

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".

FORM 4
Configuration Name: _____

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.