



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD)
WATER RESOURCES ADVISORY COMMISSION (WRAC)
ADAPTIVE PROTOCOLS FOR LAKE OKEECHOBEE REGULATION
SCHEDULE, 2008 ISSUES WORKSHOP MEETING**

WEDNESDAY, MARCH 24, 2010, 10:00 AM

District Headquarters - B-1 Auditorium

3301 Gun Club Road

West Palm Beach, FL 33406

MEETING MINUTES

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| <p>1. Welcome and Introductions: Susan Gray, Ph.D., Chair
SFWMD Staff has completed and we could wrap this up at the April meeting.</p> |
| <p>2. Around the Table: (participants discuss issues of interest to group):
Chair Gray and group:</p> <p>Pete Quasius: Caloosahatchee water levels high and very clear, but no fish or birds.</p> |
| <p>3. Integration of Salinity into the LOOPS Model Results - Cal Neidrauer, Chief Engineer, Operations Control Div., Operations and Control Dept., Operations and Maintenance; and, Peter Doering, Chief Scientist, Restoration Sciences Dept., Everglades Restoration and Capital Projects, SFWMD:
<u>Tom MacVicar:</u> Questions about the salinity level slides for the Caloosahatchee.
Cal and Peter addressed the questions by MacVicar.
Ray Scott questioned
Cal: These are example of performance measures on model output. It looks at performance overall
Gray: Need to cover 41 years or problem years. Presented different than water supply.
Cal: Competing objectives
Rae Ann Wessel:
Doering:
Gray: Presentation purpose needs to cover dry years
Ray: These are relative comparison. If we look at 41 we will have</p> |

greater cutbacks.

Cal: let diff groups concentrate on their performance meas . Averaging is ststein point. Estuaries don't get water when the lake get waters.

Meaningful performance measure that represents better the estuaries.

Gray: Diff ways of presenting the information and try to make it as comparable as possible. Benefits to a variability on the system not a static. This is an ongoing issue.

Rae Ann Wessel: Policy driven from science is my choice. Modeling was going to look at lows n how they affect the lake ant the estuaries.

Check tape consensus by the group

Smith: Need a consensus, more discussion at WRAC than Governing Board.

Gray: What is the best we can do and the venue. We won't be able to accommodate everyone needs and desires.

Rae Ann Wessel: Consensus will the fairest and best way to show the information

Rae Ann Wessel asked that salinity of 5 psi be ised instead of 10 psi Doering the reason 10 is used is because it is a SFWMD standard for modeling.

Gray: asked they estuaries folks study the information provided on cal's presentation today

Kim: disagreed with trade off example 1 and asked that Cal review it as it didn't make sense with regards to lors 2008

Paul Gray performance summary comparison bar charts slides is visually misleading he asked that it be reviewed. LOSA only 8 Caloosahatchee on 41, it dilutes the effect.

Gray: Understand that Paul wants a more comparison information

MacVicar: Can't hear him

Irene when we get into this beneficial use we can't reach consensus Gray would like

Paul Gray: performance measure are good they need to be more comparable.

Rae Ann Wessel: Understanding demands not met is what we are trying to grasp and to get some equitable measure.

Rebecca Elliott: Duration and severity is not included and it should be.

Cassani: Out of the envelop 45% of the time. When it comes to the policy board this message needs to be included for an equitable way.

Kim: lorss had a impact on water supply. This is to min the impact

Action item: Caloosahatchee need to have a performance measure that means the most based on science.

Gray: Challenging the Caloosahatchee to come up with their

performance as an assignment.
Paul Gray: How many problem years and the severity.
Irene: performance measure for the estuaries adaptive protocol will not get them there. Is it going to be comparable to what we have now.
Smith:
Kim: within loss flexibility how can we help the estuaries and agricultural

4. Adaptive Protocols Draft Document Review - Comments/Discussion:
Chair Gray and Group
Not received all review comments. We haven't written protocol yet.
History why it was developed inconsistent with eis. Reinstigate public meetings using an existing venue (WRAC/Lake Okeechobee).
Kim: needs to be consistent with loss and need confirmation from this group that it is what we are doing. This group needs to know what is the USACE expecting from the adaptive protocol
Luis : 17.25' for dike safety
Cal:
Pete:
Gray: % of time between 12.5 and 15.5 Need clarity from the USACE what are the issues and what you need to see in this doc.
There was a lengthy discussion on what the USACE wants from the adaptive protocol document. The dike stability was of utmost importance during the discussion. Low subband during dry season was most of the discussion.
Cal there could be a recommendation in the document
Luis when will this 50% be more applicable
Kim wants clarified that if the adaptive protocol doc is adopted it doesn't prevent the USACE from making discharges that are needed for the health and safety of the dike.
Irene: Adaptive protocol put some structure instead of reacting on a weekly basis. Need the USACE buy in with our indicators as we are proposing.
Gray: how make releases, Clarity what the USACE wants
- Lunch 12:30 pm – 1:15 pm**
- Fox: Let's not tie our hands where we can't do our best for the lake and the estuaries.
- Gray: These are recommendations we are making to the USACE. I need to make recommendations also on raising levels. Role local sponsor. Environmental impacts on the mfl. Inc information on the critical end species act, we will reference we can't go any further than that in this doc
Paul: flowchart proposed cuts off the estuaries and that is not agreeable with Audubon.
Based on downstream salinity in the beneficial band use.

Barbara:

Gray: What do we bring up to our management. Balance of result and balance of issues was the purpose but we need to agree. There doesn't seem to be an agreement on the subband we can always bring it to the Governing Board

Quasius:

MacVicar: It is outside of the schedule and how do we deal with it in the protocols.

Kirk:

Gray: Need to focus on what we can do with the ben sub band so that we can finish with the edits and take it to the Governing Board

Paul: The box representing Low Chance as of June 1, 30% of happening not favorable for the Caloosahatchee or a preventive measure because we are expecting a weather event.

MacVicar: The impact has been calculated in this chart a 30% to 40%

Doering: Difference between loss and use is that use held water in the lake when there was enough water in the lake

Irene if we were the same volume of 650 back in the lake how high will the lake be,

Cassani????

Barbara: Is there a general consensus on the ?? subband and we are looking for consensus in the beneficial use lower subband. Is this as far as we can get and let go to the Governing Board It started that estuaries didn't want dirty water.

Gray: Agreement low subband protocol that we cap 50% releases in the dry season

MacVicar: Clear conservative.

Luis it will depend on conditions. Which dry season, conditions may change.

Kim:

Gray: We know that the USACE can override

Barbara trying to avoid the week by week and give the flexibility of

Kim to Luis how is the USACE going to use this new adaptive protocol

Pete: What the group wants is a commitment that during a normal dry season and the modeling has show that the 50% release in that box. The flexibility

MacVicar: The modeling cover 41 years of a multitude different scenarios. What will you like to add to clarify.

Gray baseflow: agreed: 50%

450 sub band plus add 200 if not needed by the lake or east coast.

Kim are you leaving the 200 decision to the USACE or are you making recommendation to where it will go.

Irene if it is outside the EIS can the district make a recommendation

Gray need to go back to legal and clarify.

Barbara water for the STAs will need to be budgeted from everyone pie.

Gray: Beneficial use subband comments

Pete Kwiatkowsky:

Rae Ann Wessel: There is a legal precedent on water consumptive use. It gives them a over the natural system.

Gray: We are limited on what we can accomplish in this forum, but the things we can come to consensus I have to bring it up to executive management.

Beth Lewis: Need to look at the whole doc and not just paragraphs. Water reservations workshops are being scheduled to discuss

Doering: The purpose is to help the Governing Board with making environ beneficial for the Caloosahatchee

Gray: Suggest that instead of all or nothing in the subband we recommend the amount of the release.

Barbara suggested the installation of forward pumps for when we reach that 45% cuts

Gray: Asked that comments be made regarding the items they can't possible live with. Announce upcoming meetings.

5.	Discuss Draft Release Guidance Flow Chart: Chair Gray and Group
6.	Next Steps to Complete Revised Adaptive Protocols document - Chair Gray and Group