

---

coordinated by:

**Smith & Bybee Lakes Natural Area  
Management Committee**  
*Nancy Hendrickson, Chair*

**Metro**  
600 NE Grand Ave.  
Portland, OR 97232  
(503) 797-1870

---

**Smith & Bybee Lakes Management Committee Meeting**

5:30 p.m. - 7:00 p.m., Tuesday, June 22, 1999

Metro Regional Center, Room 270

600 N E Grand Ave.

Portland, Oregon 97232

<b><i>Call to order; Introductions</i></b>	5:30 - 5:35 pm
<b><i>Review and approval of May meeting notes</i></b>	
<b><i>Updates</i></b>	5:35 - 5:50 pm
N. Marine Drive Project	
Multnomah County Jail	
Turtle Monitoring Project	
Others	
<b><i>Discussion - St. Johns Landfill - Dike Stabilization - Dennis O'Neil</i></b>	5:50 - 6:20 pm
<b><i>Discussion - Facilities Plan - Proposal and Finances - Dean Apostol</i></b>	6:20 - 6:55 pm
<b><i>Agenda Items for July Meeting</i></b>	6:55 - 7:00 pm
<b><i>Adjournment</i></b>	7:00 pm

Enclosures:

May 25, 1999 Meeting Notes

Preliminary Dike Stabilization Study - St. Johns Landfill

Waste Cutoff Study - St. Johns Landfill

Facility Plan materials-

    Cost Estimates for S & B Lakes Trailhead

    S & B Lakes Cost Estimate Assumptions

    Proposed Construction Phasing - 2 Phase Option and 3 Phase Option

## Smith & Bybee Lakes Management Committee Summary Meeting Notes

Metro Regional Center  
Room 270  
June 22, 1999  
5:30 PM

### In Attendance:

Frank Opila *	Friends of S & B
Gerald Wright *	Fuel Processors, Inc.
Nancy Hendrickson *	Portland BES
Holly Michael *	Oregon Dept of Fish & Wildlife
Emily Roth	Metro – S & B Wildlife Area Manager
Dennis O'Neil	Metro – REM
Maurice Neyman	Metro - REM
Mike Meyer	Conforth Consultants
Karl Krema	Ogden Beeman & Assoc., Inc.
Paul Fishman	Fishman Environmental Services
George Kral	Ash Creek Forest Mgmt
Troy Clark *	Portland Audubon Society
Susan Oman *	Port of Portland
Jim Morgan *	Representing Metro Exec Officer
Pat Sullivan	Metro Regional Parks & Greenspaces
Jim Sjulín *	Portland Parks & Rec
Bill Bach	Port of Portland
Pam Arden *	40 Mile Loop Land Trust

\* voting member

**May Meeting Notes** were approved as submitted. During a review of the notes, Pam Arden observed concern she expressed at the May meeting was not recorded, relative to the North Marine Drive project and pedestrian/ driver safety at the entrance/exit to Marine Drive. It was pointed out there will be open houses where individuals can bring up such issues; a letter to Stacy Bluhm of PDOT would also be appropriate. It has not yet been decided, however, the issues the committee itself is going to raise during the design stage.

### Updates

N. Marine Drive Project – workshops are being planned, but won't be held until the fall of 1999. A Type 3 land use pre-app review is scheduled for the end of June.

Multnomah County Jail – the first meeting for the design of the jail is scheduled for July 6<sup>th</sup>. Buffer zone design issues will be addressed.

Turtle Monitoring Project – In July, Emily Roth will provide committee members a table of information as to what has been seen and recorded. A contract extension for NERI has been approved by Metro Council through December 31, 2003, dependent upon budget allocations. It can be reviewed on an annual basis. Demographics and population work are the emphasis of the current field season and nesting surveys will be the focus in 2000.

## Other –

Friends of Smith of Bybee Lakes sent out letters urging purple loosestrife removal be undertaken this year in the wildlife area, in particular, the cutting of flowering plants. In the fall their plan is to hold a summit to strategize an eradication plan for next year. Troy Clark requested that this notation be included in the record.

The Port will be meeting with a USDA rep to discuss biological controls on Friday, June 25th at 9 am at the pump station. Susan Oman invited other committee members to join them if interested. Emily noted there may be time remaining on the contract with EnviroCorps to schedule them at the lakes for purple loosestrife removal. A seasonal employee will be hired to start July 1<sup>st</sup> for three days a week at Smith & Bybee Lakes; duties will include dealing with the loosestrife.

The delegate chairs of the North Portland Neighborhood Association have selected from among three applications a representative to the Management Committee. Notification of that person should be received soon. Emily will be contacting the other two applicants to discuss how else they may wish to participate.

## **Dike Stabilization – Dennis O'Neil – REM**

1. The Preliminary Dike Stabilization Study includes a recommendation for repairs on the perimeter dike at St. Johns Landfill. The area of greatest concern is that fronting the Columbia Slough and its North Slough arm. The natural process of water levels rising and falling during the year causes loss of soil, exposure of tree roots and the undercutting of the dike. This diminishes a major function of the dike which is to filter leachate contained in the waste.
2. A second problem is there is no adequate protection between the waste and high water at the slough. The consultants recommend a cutoff wall be established in the gravel road several feet into the natural dike to serve as a barrier. REM proposes to create a cut-off wall (12' to 15' mean sea level) of various gradations of rocks, including small ones to serve as filters and retain the soil. This design would function whether the weir is removed or left intact.

According to Dennis, the issue of velocity in the North Slough becomes of great importance. A model was used to estimate the flow in the North Slough and the Columbia Slough, North Slough being of greatest concern. The flow was estimated with the dam in, and with it removed but replaced with an open "throat" apparatus that could be closed if necessary. The model determined that if the dam is removed the velocity in the North Slough would increase by a factor of 2 to 3 times as high. That velocity increases the scouring and therefore the rate of erosion of the bank.

Dennis asked the committee to recommend REM proceed with construction of the localized cutoff wall and three high priority bank stabilization repairs, but hold off "armoring" the entire perimeter until other alternatives are considered.

Committee discussion included the following questions and concerns:

- removal of the garbage between the cut-off wall and the slough (should the wall be installed)
- if options had been considered to sustain the wall in that event
- the balance of the study to evaluate flow velocity should be completed before additional steps be taken (other than repair to the high priority areas of the bank)
- need estimate of time for completing the study/evaluation; and could it be done concurrently with the permitting process
- issues raised need to be part of the permitting process
- the entire North Slough decision should not be based on the landfill contract

- fish & wildlife habitat values have not been included in discussion
- the consultants have a number of ideas how to keep the velocity in the slough less than the critical 3 ft. per sec. rate and still meet most of the management objectives; these ideas have also not yet been discussed.

By a unanimous vote, the committee passed a motion to endorse REM's proceeding with the stabilization/repair of the three critical areas in the landfill perimeter. The vote does not include any design approval.

### **Dean Apostol – Facilities Plan Discussion**

Dean reworked some of the suggestions from the last Management Committee meeting into a 4<sup>th</sup> design which also incorporated some of the elements of the first three designs. It was reviewed by the sub-committee, prior to presentation to the full committee. There was a general consensus of approval of the 4<sup>th</sup> design by committee members. The construction elements were divided into a 2-phase option and a 3-phase option. Elements were evaluated and identified as either optional or essential. Some costs, particularly in phase 1 and 2 of the 3-phase option, would be covered by the trust fund, as would phase 1 costs of the 2-phase option. It was pointed out technically these are not "options", however, as their construction is necessary to complete the project.

Forecasts were made of the financial effects to the trust fund should some of the costs be covered by it. There was a consensus that more time was needed for discussion of these possible effects. Jim Morgan reminded the committee that these costs are place holders only; some items may be "tweaked" and 1/3 of them may be funded by other sources. This topic will be added to the July agenda.

Date: July 26, 1999

To: Emily Roth

From: Dennis O'Neil *DON*

Subject: Minutes of June 22, 1999 meeting of Smith and Bybee Lakes Management Committee

In the record of my presentation concerning dike stabilization, sentence two and three of item two are not accurate. The information in these sentences is not about the cut-off wall.

To make the record of what I said accurate, I recommend that these sentences be removed and that the following sentences be inserted as a second paragraph in item one.

“REM proposes to repair the dike by supporting the bank (up to 12 to 15 feet mean sea level) with layers containing various gradations of rocks, including small ones to serve as filters and retain the dike soil. Above this support, native plants growing in several layers of wrapped soil would maintain a long-term vegetative corridor. This design is necessary whether the dam is removed or left intact.”

Cc: Pat Sullivan