MEETING MINUTES

Trail Lake Advisory Committee Meeting

DATE: July 26, 2016
TIME: 10:00-11:00 AM PST
LOCATION: Bureau of Reclamation Ephrata Field Office, Room 203
PM: Sara Millard (smillard@usbr.gov; 509.754.0232)

ATTENDEES:

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<tr>
<th>Reclamation</th>
<th>QCBID</th>
<th>ECBID</th>
<th>SCBID</th>
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<tr>
<td>Toni Turner</td>
<td>Darvin Fales</td>
<td>Craig Simpson</td>
<td>Dave Solem</td>
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<td>Sara Millard</td>
<td>Roger Sonnichsen</td>
<td>Mark Booker</td>
<td>JJ Danz</td>
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<td>Karl Williams</td>
<td>Bill Stevens</td>
<td>Don Osborne</td>
<td>John O’Callaghan</td>
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<td>Jared Vauk</td>
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<td>Tony Walsh</td>
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<td>Jay Hovde</td>
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CONFERENCE BRIDGE INFO
If you are at the Ephrata Field Office, please join us in Room 203. If you are unable to attend in person, or are joining remotely, please utilize the following conference bridge: Number: 877.927.0276 Passcode: 27245408

MEETING OBJECTIVES
The purpose of this meeting was to review and discuss the action item table. By the end of the meeting we are seeking agreement on which path to move forward to 30 percent design.

PROJECT OVERVIEW
1. Approved Draft Meeting Minutes from 5/24/16
2. Review Status of Action Items from 5/24/16 (Sara)
   a. Summer Falls – Losses (Karl)
      i. Reclamation hydrography program calculated diversions at Dry Falls Dam in 2014 totaled 2,927,537 – a 172,683 acre-feet difference with the CBHP diversion estimate.
      ii. The difference between CBHP and Reclamation volume estimates is about 150,000 acre-feet.
iii. It does not seem appropriate to compare the CBHP’s Summer Falls estimate with the Reclamation diversion number at Dry Falls Dam.

iv. Based on CBHP estimates, 86,345 acre-feet were lost between Dry Falls and Summer Falls in 2014; this losses number drops to 65,000 acre-feet after considering flows through the headworks gates.


i. Geologic conditions suggest vertical infiltration of groundwater and it is assumed that the seepage contributes to the recharge of the deeper basalt aquifer further south of the basin

   1. Clarification on question regarding where south of the basin is – the report does not indicate where the water emerges but explains that the seepage goes vertically into the basalt aquifer under Trail Lake and that aquifer’s flow travels south

ii. Report was originally done to see if the groundwater was travelling to Soap Lake and affecting the protective works

c. Update on Regional Office’s involvement in Geology

i. Met with Jared Vauk June 30 to go over the project and provide background information. Will be meeting again on August 4 to discuss his group’s involvement (looking at seepage numbers and where the water is going)

ii. The plan is not to have another study but to review past studies to look at how much seepage is being lost and where the water goes

d. 2015 Trail Lake Panel Replacement Project

i. Replaced 28 panels with 6” concrete

ii. Total price for the Contract was $121,800

iii. Idea was discussed of putting in bleeder valves in the canal.

   1. They are expensive and do not necessarily work well

e. Cost Estimates of Alternative Access Roads, which included gravel and excavation costs

i. Road 2 - East of Trail Lake Access Road: $515,750

ii. Road 1 - West (road river right) Access Road: $742,420

iii. Had the Regional Office do estimates on these 2 alternatives because they had significant excavation work

iv. Cost estimates were conservative – will work on refining the estimates going forward

3. Discuss Paths to Move Forward

   a. Breach canal and use existing access road

      v. Examples include bridges, culverts, pipes, etc

      vi. Option: do not have access over breach location but instead fill in the breach when needing access

   b. Breach canal and build new access road

      vii. Would involves new access roads previously discussed

   c. Discussion on 50ft test sections for the East Low Canal - $400,000

OPEN DISCUSSION

1. Open discussion on options and next steps
DECISIONS MADE

1. After discussing the possible routes for a new road to provide access to the Bacon Siphons, it was agreed upon to move forward in the estimation process the West Access Road and the East of Trail Lake Access Road (refer to Road #1 and #2 on packet map).

2. While the pumping plant has its benefits, it has been decided to move forward in the design process the options of breaching the canal. We will be looking at the various breaching options, types of materials and location(s) of the breach.

NEXT SCHEDULED MEETING
Tuesday, August 23, 2016, 1:00 to 3:00 p.m.