

NEXT REGULAR MEETING DATE:

*****Evening Meeting*** Wednesday, May 27th, 2009, 6:00 PM – 8:00 PM, at *DEER MEADOWS GOLF COURSE – MOTEL CONFERENCE ROOM, SEVEN BAYS, WA.***

Minutes from the WRIA 53 Monthly Meeting
LOWER LAKE ROOSEVELT WATERSHED PLANNING UNIT
Lincoln County Public Works
Davenport, WA
April 15th, 2009 4:00 PM – 6:00 PM

IN ATTENDANCE: (16)

Gene St.Godard, WNR Group	Jaime Short, Ecology
Courtney Harder, Lincoln County Planning	Kayti Didricksen, USBOR
Scott Hutsell, Lincoln County Commissioner	Andrew Lampe, Okanogan County Commissioner
Greg Behrens, Columbia Springs	Ellen Savage, Campbell Bay
Roger Savage, Campbell Bay Water Users	Bob Heath, Ferry County Commissioner
Dennis Maier, Landowner	Rex Harder, Lincoln Co. Water
Conservancy Board	
Fred Bell, City of Davenport	Molly Reid, GSI Water Solutions
Kevin Lindsey, GSI Water Solutions	Paul Stoker, GWMA

SESSION CALLED TO ORDER:

Gene St.Godard with WNR Group, facilitator for the WRIA 53 Planning Group, opened the meeting at 4:05 PM. Gene thanked the group for attending the monthly Planning Unit meeting for WRIA 53. Gene gave a brief overview of how the meeting would be conducted, and then began the meeting by making sure everyone had a copy of the agenda for the meeting and a copy of the meeting summary from the 3/18/09 PU meeting.

Introduction of Participants

Gene opened the floor for people attending the meeting to introduce themselves and who they were representing. Introductions were made around the room. It appeared there was a diversified group of water users who were attending the meeting. The list of participants is presented above.

MEETING DISCUSSION AND COMMENT:

Review and Acceptance of Minutes

Gene asked the participants to review the 3/18/09 meeting summary and provide any comments and/or corrections. No edits were noted on the Meeting Summary and the group accepted them as prepared. Gene also asked if there were any edits and or comments on the proposed agenda. Hearing no comments, he began the meeting.

Update on Lake Roosevelt Forum

Gene asked the group if anyone attended the Lake Roosevelt Forum on April 13-14 and wanted to update the group on the meetings they attended. Gene, Jaime, Greg, and Scott gave an overview of some of the presentations they attended. In general, the attendees said the recreational round table for shoreline management planning of Lake Roosevelt was the most informative. Gene also gave the presentation on Monday afternoon for the Lincoln County Passive Rehydration project in which the CRWMP has funded. Roger also presented the group with some questions and updates on the launch fees for Lake Roosevelt.

Update on Funding from Ecology

Jaime gave an update on the current proposals for funding of watershed planning. It appears the budget will be cut significantly and it appears the proposed watershed funding will only be directed towards implementation. Our group is in the assessment phase. However, Jaime says there is potential support in the agency to try to fund the WRIA 53 group with potentially \$100,000 next year. Jaime will update the group more next month.

Presentation Kevin Lindsey with GSI on Level 1 Groundwater Study in WRIA 53

Kevin Lindsey gave a power point presentation on the results of the groundwater assessment in WRIA 53. The following is a summary of his presentation:

- There are three distinct aquifers in WRIA 53
 - Suprabasalt Sediments (Unconsolidated alluvial aquifers)
 - Mostly modern stream deposits and Pleistocene flood deposits
 - Mostly occur near the Columbia River
 - Few along more pronounced drainages like Hawk Creek
 - These are almost always in connection with surface water
 - Basement (granite/granodiorite-fractures)
 - Found along Columbia and Spokane River, in the highlands and steep toes
 - Host confined, fracture and joint system aquifers
 - Columbia River Basalt Group
 - This is the regional aquifer system
 - Groundwater is found in flow tops and bottoms
 - Basalt flow interiors block movement between layers (below 100-300 feet below grade)
- Recharge to Aquifers?
 - Recharge to basalt aquifers is still not fully defined
 - Probably recharged regionally
- Lake Roosevelt Hydraulic Connection
 - Appears to be no to minimal hydrogeologic connection between the Basalt Aquifers and the Columbia River.
 - This is evident by the different elevations of the river (appx. 1300 feet) to the basalt aquifers (appx. 1800 feet), which would suggest they are not in hydraulic continuity with each other.
- Age of Groundwater
 - Wells were defined into two categories: 1) young water (less than 50 years old), and 2) old water (greater than 10,000 years old). Some wells had a mixture.
 - Davenport well was old water >16,000 yrs
 - Davenport Cemetery well has young water, 25-50 yrs old.
- Groundwater monitoring in some nested wells appear to show that there is now hydraulic continuity between the shallow unconfined aquifers and the basalt aquifers. This is more evident in monitoring to the southern wells in Lincoln County.
- Recharge
 - In unconsolidated aquifers
 - 13015 inches of rainfall per year
 - 1 to 10% may infiltrate = 0.11 to 0.125 AF/acre/year
 - Or 35,840 gal/acre/yr to 40,730 gal/acre/yr
 - Numbers must be used with CAUTION!
 - Seepage from surface waters, Lake Roosevelt and small creeks is limited to the Basalt Aquifers.
 - Basalt aquifer recharge most likely came from the cataclysmic floods which occurred during the last ice age more than 10,000 years ago.
- Well Logs: more than 600 wells in Ecology data base
 - 344 were located as good wells (domestic) for this project
 - 29 are for non-domestic (muni, irrigation, industry, etc.)
- Water Budget
 - Difficult to complete due to the large regional aquifer system
- Conclusions:
 - Sediment aquifers are small localized aquifers near rivers or drainages, and supports domestic use

- Basalt system is a layered and local to regional system.
 - Basalt has minimal new/recent recharge
 - Most water is ancient
 - Can support existing pumping
 - Probably good to avoid dense development
 - If pumping increases, or larger pumping occurs – BE CAREFUL to aquifer impact
- Basement aquifers are difficult system to predict, generally poor producers.

Presentation Molly Reid with GSI on Update to Groundwater Study in WRIA 53

Due to the time constraints, Molly gave a general overview of the results of the water well assessment conducted by GSI for the Level 1 Technical Assessment. GSI has conducted an analysis in the well data base, and has divided out domestic vs irrigation wells. In addition, an estimate of water in the aquifers is being conducted. Geology and hydrogeologic units have been deciphered and graphics are currently being produced. Kevin Lindsey with GSI will be able to give a detailed discussion on the geology, hydrogeology, and well use at next months meeting.

Public Comment

After completion of business, Gene opened the meeting to public comment and discussion. Dean White with the LCCD mentioned that he will be submitting an application for a scholarship to the Lake Roosevelt Forum on behalf of the WRIA 53 Planning Unit. The conference will be held in April. If people would like to attend the meeting using the scholarship, please contact Gene. No other public comment was offered.

Setting of Next Meeting Time

A discussion was held on scheduling the next meeting. It was determined that the next meeting will be scheduled for March 18th, 2009 from 4:00 pm- 6:00 pm. The meeting will be held at Lincoln County Public Works Building in Davenport. The May meeting will be scheduled for May 27th, 2009 from 7 to 9 pm at the Deer Meadows Golf Course.

Actions Completed

Acceptance of January meeting minutes

Actions Needed

- Continue work on Phase 2 Technical Assessment;
- Organize speakers.

Adjournment

The meeting was adjourned at 12:50 PM. If you have any questions please call Gene St.Godard at (509) 468-4876 or send an email message to Gene at stgod@comcast.net