

Name: The Jamestown Reservoir Watershed Partnership

Vision Statement: The vision of the Jamestown Reservoir Watershed Partnership is working to protect and enhance water quality in the Jamestown Reservoir.

Mission: Promote agency coordination to assess and improve water quality in the Jamestown Reservoir through education and stakeholder involvement.



Jamestown Reservoir Meeting

Present:

Kim Hanson	FWS Arrowwood Refuge
Sally Benjamin	USGS Northern Prairie Research Ctr.
Mike Collins	NRCS Jamestown Area Office
Codie Lacina	NRCS Stutsman County
Matt Nelson	Stutsman SCD
Gloria Jones	Stutsman SCD
Don Hofmann	Stutsman SCD
Jim Weigel	US Bureau of Reclamation
Mike Ell	ND Department of Health
Arlyn Schmidt	Stutsman County Water Resources Board

Mike Noone	State Water Commission
Bob Martin	US Corps of Engineers
Ryan Odenbach	Watershed Coordinator
Sally Domke	Watershed Technician
Jon Fettig	NRCS Wells County
Steve Stensgard	Pheasants Forever
Pat John	ND Game and Fish
Connie Krapp	Northern Plains/Dakota Valley Electric
Don Olds	NRCS Foster County

October 28, 2008
Farmer’s Union Headquarters

Mike Collins opened the meeting at 10:05 AM with introductions. Ryan gave a partner update; the SCD was collecting water samples through the year at two sites on the James and two sites on the Pipestem. SDSU has been collecting samples on the Jamestown Reservoir and Pipestem Reservoir as well. They did five sites on the Jamestown Reservoir and three on the Pipestem. We can expect their report in late spring. They have a cooperative agreement with the USGS and Bureau of Reclamation. The ND Health Department will be performing the nutrient analysis on these. NDSU is developing an AnnAGNPS model with the ND Forest Service. Mike Ell will be meeting with these people next week. Bob Martin reported that the CORP did Reservoir sampling for 30 years up until two years ago.

- Kim Hanson reported that the USFW personnel monitored every Monday at the Arrowwood Lake outlet (in the bypass channel) and the bottom end of the Refuge at the Kurtz Crossing. They used Grace City and Kensal gages to estimate flow into Arrowwood Lake. The question was raised as to whether or not the USGS should look at Water Quality in the refuge complex and the effect of the bypass channel on Jamestown Reservoir.
- Jim Weigel went over watershed partnership ideas. They have a new program called “Water for America” They will match local non-federal funds to implement water conservation studies, planning and watershed assessments. The “Challenge Grant Program” is expanded with “System Optimization Review”. This also includes endangered species activities to prevent species from being listed. For example, Bell Fourche Reservoir received two “2025 grants” for \$125,000 each to line sections of their canals. These Bureau of Reclamation grants are available to SCD’s (but not federal agencies), irrigation districts and other partnership groups and the money is focused on actual improvements. For more information on these programs go to www.usbr.gov. Ryan suggested that we keep these grants in mind

for the Jamestown Reservoir project. Someone suggested possibly looking at cabin septic studies and implementation as matching funds to the federal money.

- In-Lake Modeling – Mike Ell said that SDSU will provide a report on all data collected and the North Dakota Department of Health will run the data through the “Bathtub” model (a trophic response model) which can predict results on N and P reduction and effects on lake water quality. This coupled with the watershed model can be used to create long term goals for the reservoir.
- Land Use Plan in cooperation with NDSU – Mike Ell handed out an example of a smaller scale AnnAGNPS model by USDA. The Jamestown Reservoir watershed will be divided into cells (small contributing watersheds of 160 ac – 1000 ac.) linked together which flow into Jamestown Reservoir with crop type, management, slope, fertilizer, etc as inputs. It has a GIS interface for soils, slope, etc which are already available and can be input. Working with NDSU Department of Geosciences Dr. Peter Oduor and the Engineering Department’s Dr. “Pad”, they will pilot the system once it’s developed. The model will be based on current conditions and then a person can play with land use factors to determine different outcomes. Mike Ell will be meeting with them next week. Ryan asked Mike about the graduate student that had worked on a Pipestem Reservoir model. The data that was collected this year could be used for this model. He asked Mike to see if NDSU could do a presentation on this at the next Jamestown Reservoir meeting. There was discussion about areas to gather information; possibly Ag Statistics, Sally Benjamin offered her help with FSA contacts to get study information to help pinpoint critical areas and we could also talk to specific producers in these critical areas. USGS can help by looking at the refuge systems management with the bypass channel and water quality effects of the refuge system, Arrowwood Lake, the bypass channel and off-channel storage. Sally Benjamin will make contacts for us within agency on research occurring presently. We could possibly include modeling related to fisheries habitat improvement.
- Kim asked about the possibility of focusing on the fish barrier. A boat ramp and parking area for semi’s and boats have recently been completed.
- According to the USBR the purpose of the bypass channel was to mitigate the adverse effects of Jamestown Reservoir on Arrowwood Refuge.
- Sally Benjamin offered to coordinate USGS folks with others to see where to go with research.
- Kim Hanson questioned the use of the “Pingree Gage” on the James River. It was an historic name in old reports; it may have existed previously on the James River.
- Future Meetings: We will wait to hear back from Mike Ell about a possible presentation on the Pipestem research data from NDSU.
- Ryan will look into USBR grants online.
- Jim will look at the bypass channel through the System Optimization portion.

Meeting adjourned at 12:05 AM

Next Meeting Date: **TBA**

Sally Domke, Recorder