

**Final Minutes of Joint Meeting
International Souris River Board (ISRB) and
Souris River Bilateral Water Quality Monitoring Group**

Days Inn, Estevan, Saskatchewan
July 18-19, 2006

The meeting was called to order at 11:15 a.m. (CST) by Russell Boals. Mr. Boals noted that the two groups would operate as a combined board for the meeting and that official IJC approval for the single board should be forthcoming in the near future. Mr. Boals noted that the new Board will have Canadian and U.S. Secretaries (Brian Yee and Cathy Martin for this meeting, respectively. Bruce Holliday provided assistance to Mr. Yee, particularly with regard to water quality deliberations). Mr. Boals welcomed the Board members and other participants.

List of attendees provided as Attachment A.

1. Review of Agenda

It was moved by Megan Estep, seconded by Dale Frink, that the agenda be amended with the addition of the following items to Other Business:

- rotation of U.S. secretary,
- border crossing letters.

Carried

2. Approval of ISRB minutes for February 16, 2006 meeting

It was moved by Gregg Wiche, seconded by Bob Harrison, that the February 16, 2006 minutes as submitted by email to Board members, support staff, and observers be approved.

Carried

3. Approval of SRBWQMG minutes for February 16, 2006 meeting.

Bruce Holliday noted that the draft minutes had been submitted but were not ready for approval.

4. Compilation of Souris River Flows to May 31, 2006

Shawn Salm noted that winter snow cover was minimal and runoff from snowmelt was below normal. Inflow for Long Creek at the Eastern Crossing was 1 880 dam³ (1,524 acre-ft). The total diversion for Boundary Reservoir was 960 dam³ (778 acre-ft). The total diversion for Long Creek Basin was 2 195 dam³ (1,779 acre-ft). Inflow for Rafferty Reservoir was 670 dam³ (543 acre-ft). The total diversion for Rafferty Reservoir was 620 dam³ (503 acre-ft). The total diversion for the upper Souris River Basin was 3 770 dam³ (3,056 acre-ft), and the total diversion for the lower Souris River Basin was 2 820 dam³ (2,290 acre-ft). The total

diversion for Moose Mountain Creek Basin was 9 700 dam³ (7,860 acre-ft). Total additions from non-contributory basins were 1 130 dam³ (916 acre-ft).

The total diversion for the Souris River Basin was 18 485 dam³ (14,986 acre-ft). Recorded flow at Sherwood was 7 990 dam³ (6,480 acre-ft) and natural flow at Sherwood was 25 345 dam³ (20,547 acre-feet). The United States share on a 50/50 basis was 12 670 dam³ (10,272 acre-ft). The United States received 9 390 dam³ (7,612 acre-ft) for a deficit of 3 280 dam³ (2,659 acre-ft). Recorded flow for Long Creek at Western Crossing was 430 dam³ (349 acre-ft), and recorded flow for Long Creek at Eastern Crossing was 1 880 dam³ (1,524 acre-ft). The surplus from the United States to Canada was 1 450 dam³ (1,176 acre-ft) for the Long Creek Basin.

Dale Frink noted that operations typically would be done to follow the natural hydrograph and he asked if there are any plans to start releasing water to make up the deficit. Doug Johnson noted that releases were initiated from Alameda Reservoir as soon as they were made aware that flow at the border was below the 4 cfs criteria. Gregg Wiche noted his concern that water is not being managed to follow the natural hydrograph during low flow. Doug Johnson explained that following the natural hydrograph was done this spring. Subsequent operations were done in consultation with Bob White, North Dakota State Water Commission and Megan Estep and Tedd Gutzke, USFWS. Lake Darling was full and the water was not required and, for beneficial use purposes, North Dakota and USFWS suggested that Saskatchewan store water to meet future needs.

Doug Johnson asked how involved does the Board want to be in day to day operational decisions. Ed Eaton suggested that the Board allow the operational managers to operate in a manner similar to how they operate for flood operations. Decisions would be made in consultation with the operational managers and, when operations deviate from the natural hydrograph, a communiqué would be sent to the ISRB Board members for informational purposes. All agreed that parties closest to operations would make the operational decisions and when there are deviations from normal operations, such as not following the natural hydrograph, a note would be sent to the Board. All agreed that such communications would be helpful.

Russell Boals asked if there were any concerns from a water quality perspective with this spring's water quantity operations. Bruce Holliday and Wayne Dybvig indicated that at this time, it is too early to assess the impact of water quantity on water quality issues.

It was moved by Dale Frink, seconded by Doug Johnson, that the calculation of natural flow be accepted as submitted.

Carried

5. Review of Current Hydrologic Conditions

Saskatchewan

Shawn Salm reported that snowfall during the winter of 2005-06 and the resulting snow cover were near zero or well below normal. Rainfall on April 18 accounted for the majority of runoff, which was well below normal in all areas. Most of the flows were below 10% of the long term mean. A release of 1 900 dam³ was made from Alameda Reservoir from April 4 to 23. On May 31, the reservoir was at an elevation of 561.45 m, up 0.48 m from the beginning of the year. Another release of 310 dam³ was made from July 6 to date. Average evaporation from June 1 to September 30 is 0.33 m. Rafferty Reservoir received little inflow during spring runoff and rose only 1 cm to its spring peak. Rafferty Reservoir is currently at an elevation of 549.36 m, down 0.08 m from the beginning of the year.

Doug Johnson distributed a map of SK showing precipitation as a percent of normal for the period April 1 to June 1, 2006. Estevan had normal to slightly above normal precipitation. Weyburn had less than half of normal precipitation. Mr. Johnson noted that Boundary Reservoir is currently 1.4 m below FSL. The reservoir will continue to decline with summer evaporation. SaskPower will be pumping from 5 000 to 10 000 dam³ from Rafferty Reservoir into Boundary Reservoir.

North Dakota

Brad Sether reported that the Souris River near Sherwood peaked at 137 cfs (3.88 m³/s) on April 25 ranking 9th lowest in 76 years of record. Flows were less than 4 cfs (0.11 m³/s) from January 1 until March 24, 2006. Flows were below the long-term median through May 31.

Flows for the Souris River near Westhope remained steady at around 50 cfs for the winter period. Spring peak of 1,990 cfs (56.4 m³/s) occurred on April 6 ranking 26th highest in 76 years of record.

Dale Frink noted that southern North Dakota has experienced high temperatures and little precipitation. The Souris River Basin is comparatively much more lush.

Charlene Prindiville reported that precipitation totals for January through June 2006 varied from 4.01 in. (102 mm) at Sherwood to 8.87 in. (225 mm) at Fortuna both in the upper end of the ND portion of the basin. These totals were 68% to 122% of normal. The lower end of the ND portion of the basin received normal moisture. Minot's moisture was less than normal. Spring runoff was minimal. Only two stations exceeded flood stage: Willow Creek near Willow City and the Souris River near Westhope.

Probabilistic forecasts for the period July 17 to October 15, 2006 indicate there is little or no chance for significant runoff for the upper end of the basin near Sherwood. Long term drought conditions continue to increase for most of North Dakota. The Palmer Drought Severity Index indicates the Souris River Basin is in a "Moderate" drought status. The latest NOAA Drought Monitor ranks north central North Dakota as Abnormally Dry.

Manitoba

Bob Harrison reported that soil moisture and snow cover were below normal and the resultant snowmelt runoff in the Souris River Basin in Manitoba was below average. Spring crests were close to the 30 year average. Flooding due to spring runoff was minor. Flows during late June and July dipped to near the lower decile due to hot dry weather. There was an

increased demand for water resulting in heavy pumping. Some landowners expressed concern about low river levels, but flows were still adequate to meet needs. Water users along the Souris River in Manitoba are concerned about low levels for the Souris River for the rest of 2006 and the coming winter, in the event of continued below average precipitation.

6. Operation of U.S. refuges and reservoirs on the Souris River, 2006 Lake Darling summer interim operating level

Upper Souris National Wildlife Refuge

Tedd Gutzke reported that on January 1, 2006, the elevation of Lake Darling was 1,596.93 ft with 108,122 acre-ft in storage, and all gates were closed. The lake remained at approximately 1,596.06 feet for the first three months of the year. With a forecast for little spring runoff and the lake at the desired summer operating level of 1,596.00 feet, no releases were made until April when some spring runoff started to enter the lake. Releases varied from 50 cfs to 166 cfs until May 16 when all releases were stopped. Lake Darling was then at an elevation of 1,595.93 ft.

J. Clark Salyer National Wildlife Refuge

Throughout the winter a release of 50 cfs to Manitoba was maintained. This was carried out in an attempt to remove excess water from Pool 357 that had built up from the 2005 flood and to get the pool conditioned for a planned dewatering in 2006/07. Although the flow in the Souris River was low during the January to May period, the flows from lower tributaries were high, especially those from Willow Creek which contributed 81,780 acre-feet into the refuge. It took over two months to pass these flows into Manitoba as flows were managed to minimize downstream problems. Outflow exceeded 1,000 cfs for 10 continuous days in April and reached a maximum of 2,020 cfs on April 3. {Note that the USGS reported that the spring peak of 1,990 cfs (56.4 m³/s) occurred on April 6.} Flow receded to 50 cfs by the end of May.

Proposed operations for the remainder of 2006

With current dry conditions, the elevation of Lake Darling will probably drop well below 1,595.00 feet. Some small releases may be made to accommodate management of Refuge pools to offset evaporation and attain season pool elevations. For the J. Clark Salyer Refuge, all pools will be allowed to decline slowly through the summer to mimic a natural seasonal decline. The USFWS anticipates no problems in meeting the 20 cfs minimum flow requirements to Manitoba for the June 1 to October 31 period.

Commissioner Olsen asked if there were any wildlife refuges in Canada that affect operations of the Souris River. Doug Johnson noted that there are some Ducks Unlimited projects in the Canadian portion of the Souris River basin. None of these projects are of the size of the USFWS projects.

Dale Frink noted that there have been requests for water rights in the Souris River Basin in North Dakota, but the prior water rights of the USFWS projects have precluded allocations to those requests.

Russell Boals asked if operations and evaporation would bring Lake Darling close to the 1,593.8 ft elevation. This elevation is one of the factors to be observed for changing from a 50/50 to a 60/40 apportionment. Mr. Gutzke forecasted that an elevation that low is unlikely in 2006.

Mr. Boals asked what operations are planned to make up the deficit on the Souris River near Sherwood. Doug Johnson noted that releases will be made throughout the summer and into the fall in response to water management needs of the NDSWC and the USFWS. Mr. Boals asked if there would be any problems making up the deficit by year-end. Mr. Johnson noted that making up the deficit is not anticipated to be an issue. He noted that Alameda Reservoir will be drawn down in any case in preparation for the 2007 spring runoff. These releases would occur during the late summer and early fall.

7. Souris River Bilateral Water Quality Monitoring Group

Reports

Bruce Holliday reviewed the current status of the combined annual water quality report covering the years 2003-2005. He noted that the historical dataset has been corrupted necessitating a very time consuming reconstruction and review process. Bruce and Mike Sauer are expecting to have the 2003-2005 report done by December 31, 2006.

Water quality concerns – Westhope

Objectives and exceedances for water quality constituents are as follows:

- *Phosphorus*, objective 0.10 mg/l, - 100% exceedance in 2006. Note that there was 100% exceedance in 2003 and 2004
- *Sodium*, objective 100 mg/l, - 44% exceedance. Average was 123 mg/l. Maximum was 359 mg/l. There was 100% exceedance in 2003 and 2004 .
- *Sulphate*, objective 450 mg/l. - 11% exceedance (only one sample). Maximum was 809 mg/l.
- *Iron*. objective .3 mg/l. - 88% samples exceedance. Average was .969 mg/l. Maximum was 2.13 mg/l.
- *TDS*, objective 1000 mg/l. - 32% exceedance. Average was 796 mg/l. Maximum value was 2077 mg/l.
- *Dissolved Oxygen*. Objective is <5 mg/l. - 22% exceedance (two samples). Average was 8 mg/l. Maximum was 17.5 mg/l. Minimum was 2.7 mg/l.

ACTION: Bruce Holliday to send out an electronic table of the exceedances.

A question was raised about any concern with Mercury. Generally, due to the age of the reservoirs in the system, mercury is not a human health issue.

Bruce Holliday reported that nine water quality samples were collected on the Souris River in the vicinity at Westhope. Five samples were collected at the USGS site just below Pool 357. Four samples were collected at Coulter which is a few miles downstream of Westhope. The USGS is responsible for sampling at Sherwood. Sampling at Sherwood and Westhope is the extent of the sampling done by the SRBWQMG.

Wayne Dybvig reported that SWA provides an annual report to Environment Canada on water quality sampling at Rafferty and Alameda reservoirs. SaskPower conducts water quality sampling at Boundary Reservoir.

USGS takes water quality samples at high flow and low flow at all USGS stations in ND as part of a program done for the state. The USGS did not have any water quality data to present at the meeting. It is not known if there have been any exceedances at Sherwood.

The 100% exceedance for phosphorus at Westhope may indicate that the water quality objective is too stringent. Doug Johnson noted that there is no baseline data prior to the construction of the reservoirs in SK and ND. An analysis of trends in the data is being conducted by Skip Vecchia of the USGS. Sources of the exceedances are unknown. Cliff Henretty noted that water quality sampling was done for the Eaton Irrigation Project. The quality of the return flow water from the irrigation project was considerably better than the quality of water entering into the irrigation project.

Joint sampling is done by EC and the USGS once per year at Sherwood and Westhope for quality control purposes. Water quality monitoring is limited to the boundary sites – Environment Canada and the USGS do not collect any water quality samples for IJC purposes outside the boundary sites. Some water quality samples are collected at non-boundary sites but not for IJC purposes.

Analyses for pesticides were done until the year 2000. The pesticide analyses were discontinued after a review of the historical data showed that there were no issues.

Wayne Dybvig suggested that the Board develop a work plan for water quality covering the subjects of objectives, monitoring, trends, and baselines. He noted that the 1989 Agreement between Canada and the United States had directed the SRBWQMG to review the objectives for water quality every 5 years and that has not happened. He suggested that a review of the objectives should be a priority for the new combined Board.

There was discussion of timing and structure of the annual report of the combined Board. In the past the water quantity report was submitted at the spring IJC meeting and the water quality report was submitted to governments in the late fall. The water quality report was delayed due to the time required for lab analysis of the samples. The IJC directive for the combined Board is not specific in regards to timing of a report nor is it specific as to whether a single report or a combined report should be submitted. Commissioner Olsen noted that the preference of the IJC would be a combined report. The Board agreed to a combined report to be submitted in the fall.

2006 monitoring program

Gregg Wiche reported that the USGS sampling program at Sherwood consists of: 6 samples in open water (3 in March to June, 3 in July to October) and 2 samples in winter. Bruce Holliday noted that Environment Canada sampling program at Westhope consists of: 2 samples on the rise to the spring peak, 2 samples in the recession, and monthly samples thereafter during open water, and 2 samples in winter.

Doug Johnson noted that limited sampling is done by Saskatchewan Environment in the SK portion of the Souris River Basin. There is a watershed planning initiative taking place in the Souris River Basin and there are some source water protection activities occurring, which may be the reason for increased interest in water quality monitoring. In ND, analysis of water quality samples is done by the USGS or the ND Department of Health..

8. Report by the Natural Flows Method Committee

Suggested changes to wording in Agreement

Bob White reported that the committee has not been able to meet since the last meeting and has nothing new to report.

Status of Procedures Manual

Randy House distributed a handout describing the current procedure to determine the natural flow of the Souris River at Sherwood. It was noted that the last manual was done in 1973. There have been no updates since. Russell Boals suggested that Brian Yee in his role as Secretary should serve as lead editor for the Procedures Manual.

ACTION: NFMC to continue working on the procedures manual

Criteria for Lake Darling summer interim operating levels

Megan Estep noted that the NFMC has not been formally tasked with reviewing the implications of the revised summer operating level for Lake Darling . The Board agreed to assign the task to the NFMC.

ACTION: NFMC to review the criteria

Long Creek

Randy House noted that the wording in the annual report is different from the wording in the Interim Measures. Ed Eaton suggested that the exact wording in the Interim Measures should be used in the annual report. The Board agreed.

Gregg Wiche suggested that there should be another box in the natural flow computation for the Souris River at Sherwood subtracting the difference in flow between the Eastern and Western Crossings (i.e., the natural flow that originates in the USA in the Long Creek Basin). Dale Frink suggested that we should be apportioning the natural flow from Saskatchewan, not only the natural flow at Sherwood. The implications of different interpretations of the Interim Measures are potentially significant (e.g. upwards of 1000 dam³ for 2006).

ACTION: NFMC to review the interpretation.

9. Update by the Flow-Forecasting Liaison Committee

Russell Boals reported that the Oxbow meteorological gauge (used in calculating evaporation from Alameda Reservoir) was not being discontinued. This station is operated with volunteers and there has been a recent change in the volunteer, from a retiring father to his son.

10. Discussion and Update on Water-Management Projects

NAWS

Dale Frink reported that the NAWS project is to deliver drinking water to Minot and 14 other smaller communities and has been under study for about 25 years. The USBR is providing 65% of the funding for the project with the remaining 35% provided by local sources. Due to the level of federal funding, compliance with NEPA is required. The pipeline from Lake Sakakawea to Minot is expected to be completed in 2007. An EIS is in progress, started in Jan 2006, and hopefully will be completed by Jan 2008.

Canada is concerned about the transfers of water from the Missouri River drainage to communities in the Hudson Bay drainage. Manitoba has suggested treating to US drinking water standards. The treatment options recommended in the environmental assessment is the addition of chlorine and bromine (ammonia). There are some concerns with cryptosporidium (which is a protozoan that is not affected by chlorine treatment) and whirling disease. There are some suggestions to add UV treatment and a clarifier. Mr. Frink noted that USBR is reluctant to treat to drinking water standards as this may set a precedent for other USBR projects across the USA, most of which involve much larger volumes of water and proportionately larger associated costs.

Lake Metigoshe

Bob White reported that a letter of support, signed by Russell Boals and Dale Frink, was sent, on behalf of the Board, to the Canadian and USA sections of the IJC. The letter states that the ISRB supports the Oak Creek Water Resource District's request for approval by the IJC for the Lake Metigoshe Dam.

2001 Flood Report

Ed Eaton reported that a draft of the report was sent out March 11. Mr. Eaton has received comments from only 2-3 people. Mr. Eaton is planning to have the report done by December 31, 2006.

ACTION: those who have not yet reviewed the draft are to provide comments to Ed Eaton by August 4, 2006

Other

No discussion.

Field tour of Rafferty Dam, Boundary Reservoir, Alameda Dam.

11. Enhanced Mandate

Mark Colisomo reviewed the July 12 version of the draft Directive which reflects input from IJC staff. Item 2 and 3 had no change from the draft submitted by the Board. Item 4, referring to exchange of diplomatic notes, is new. Items 6 and 7 had slight changes in wording for legal purposes. Item 8, referring to at least one public meeting in the basin each year, is new. Commissioner Allen Olsen noted that this is standard operating procedure for the other IJC Boards and the public meeting is held separately from the operations meeting. In Item 10, the second sentence is new. Item 19 refers to the annual report to be completed 3

weeks in advance of the IJC's spring semi-annual meeting. Concerns were expressed that the water quality data would not be ready in time for the spring meeting. All agreed to change this to one annual report to be submitted at the IJC's fall meeting.

It was noted that in item 19, the second line should read Section 7 (ii and iii).

Clause 11 in the draft, referring to alternates for board members, was removed. Commissioners noted that the standard operating practice for IJC Boards has been to show the member as absent if a member cannot attend a meeting rather than have alternates attending in their stead. If a member will not be able to attend Board meetings for an extended period, an alternate may be suggested to the IJC for approval.

Clause 4 and 7(iv) refer to flood operations and oversight functions of the Board. Paul Pilon noted that the wording is vague. The Board agrees that it does not conduct flood management operations because those operations are the responsibility of the water management agencies at the provincial and US federal level, namely the SWA, the USACE, and the USFWS. In addition to these agencies, the North Dakota State Engineer's office has responsibility to monitor the operating plan under the "Agreement Between the Government of Canada and the Government of the United States of America for Water Supply and Flood Control in the Souris River Basin".

ACTION: Russell Boals to draft suggested wording for the directive and circulate the suggestions to Board members.

Wayne Dybvig noted that the mandate of the combined Board seems narrow compared to the watershed initiatives of the IJC. Focusing on water quantity and quality is not reflective of current water management practice which includes consideration of aquatic ecosystem health. Dale Frink noted that we are amalgamating two groups, the ISRB and the SRBWQMG which were very issue focused. The SRBWQMG was mandated to address the implications in the basin of the construction and modifications of the Canadian and US reservoirs. Brian Yee asked if this was an opportune time to broaden the mandate of the Board to consider the concepts of IWRM and Adaptive Management. Commissioner Robert Gourd suggested that this Board move slowly in its direction towards a watershed approach. Megan Estep noted that if this Board is to address ecosystem health then the monitoring network will need to be expanded to the tributaries. She also raised the question of who would pay for this extra monitoring.

ACTION: Russell Boals to draft suggested wording to add ecosystem health to the draft IJC directive.

Projects and Work Plan Activities

Due to the changes being considered for the Directive, it was felt that discussion on projects and work plans were premature, however, it was noted that tasks assigned to the NFMC should proceed. All agreed to table discussion on the Board's work plan to the fall meeting.

12. Status of ISRB 2005 Annual Report

Cathy Martin reported that she has sent out a draft to the Board members and received comments only from Randy House. She noted that she only recently received some outstanding data for the report. She asked the Board members to reply with an email with their comments, and if no comment, to note that in an email. Ms. Martin noted that her time from mid-August to mid-November is committed to other priorities. All agreed to target completion of the report by mid-August. There will be 6 signatures on the 2005 report.

ACTION: all Board members to email comments to Cathy Martin by July 28.

13. Status of SRBWQMG 2005 annual report.

Bruce Holliday noted that he and Mike Sauer were targeting to have the report completed for the winter meeting to be held in February 2007. In order to meet that target, the draft report will need to be completed by December 31, 2006.

14. Other Business

Secretary for the combined Board

Gregg Wiche noted that previously Canada and the USA had rotated the secretary role on a 5 year basis. He also noted that the co-chairs had provided the secretarial support. The SRBWQMG had two secretaries – one from Canada and one from the USA. Dale Frink suggested following the model of the SRBWQMG. Bruce Holliday noted that the secretaries alternated taking the lead on production of the annual report. The Commissioners noted that the other IJC Boards follow the dual secretary model.

Russell Boals noted that Brian Yee will be the Canadian Secretary and has water quantity expertise. Dale Frink suggested the USA Secretary be someone with water quality expertise. The Commissioners suggested that the water quantity/quality expertise of the secretaries was not particularly significant.

ACTION: Dale Frink to appoint the USA Secretary by July 31, 2006.

Letters for border crossing

Shawn Salm noted that the last letter he has for technologists for border crossing was written in 1991. Bruce Holliday noted that on occasion, Canadian water quality monitoring staff have been denied entry into the USA. There was much discussion of border security and how this has delayed staff crossing the border.

Russell Boals noted that in the St. Mary-Milk, the letter carried by WSC staff is signed by the USGS and the letter carried by USGS personnel is signed by Environment Canada.

Commissioners suggested that the agencies do what they can locally to address the issue and that the Commissioners will discuss this further at the IJC level.

ACTION: Shawn Salm to follow-up with WSC colleagues working in the St. Mary-Milk and with the USGS colleagues in North Dakota.

ACTION: Commissioners Allen Olsen and Robert Gourd to place this item on the IJC agenda.

15. Date and Location of 2007 winter meeting

A conference call will be held on September 19 at 10:30 a.m. Central Daylight Time (9:30 a.m. in SK).

The meeting will be held Wednesday, February 21, 2007 in Bismarck, ND at 10:00 a.m. Central Standard Time. It was noted that the state legislature will be in session and it will be important to book rooms early.

ACTION: Cathy Martin will book a block of rooms ASAP.

**FINAL AGENDA
INTERNATIONAL SOURIS RIVER BOARD
and
SOURIS RIVER BILATERAL WATER-QUALITY MONITORING GROUP
Estevan, Saskatchewan
11:00 a.m. CST
July 18-19, 2006**

July 18, 2006--11:00 (local time)

1. Review of agenda
2. Approval of ISRB minutes for February 16, 2006, meeting
3. Approval of SRBWQMG minutes for February 16, 2006, meeting
4. Compilation of Souris River flows to May 31, 2006
5. Review of current hydrologic conditions
 - Saskatchewan
 - North Dakota
 - Manitoba
6. Operation of U.S. refuges and reservoirs on the Souris River, 2006
 - Lake Darling summer interim operating level
7. Souris River Bilateral Water-Quality Monitoring Group
 - Reports
 - Water-quality concerns
 - 2006 monitoring program

Tour of Rafferty-Boundary Project--16:00 (local time)

July 19, 2006--8:30 (local time)

8. Report by the Natural Flows Methods Committee
 - Suggested changes to wording in agreement
 - Status of procedures manual
9. Update by the Flow-Forecasting Liaison Committee
 - Apportionment requirements--Low flow
 - Alternate for Environment Canada
 - Status of Oxbow meteorological station
10. Discussion and update on water-management projects
 - NAWS
 - Lake Metigoshe

2001 flood report

11. Enhanced mandate

Draft directive and membership
Projects and work plan activities

12. Status of ISRB 2005 annual report

13. Status of SRBWQMG 2005 annual report

14. Other business

Secretary for the Combined Board
Letters for Border Crossing

15. Date and location of 2007 winter meeting

Tour of Alameda Project--13:00 (local time)

Attachment A: Attendance/Distribution list ISRB/SRBWQMG

Name, Title Affiliation √ indicates attendance	Role on combined board Role on ISRB /SRBWQMG	Address	Phone	e-mail
Alf Warkentin Senior Forecaster Manitoba Water Stewardship	<ul style="list-style-type: none"> • Canadian Co-chair Flow Forecasting Liaison Committee 	Box 14 200 Saulteaux Crescent Winnipeg, MB R3J 3W3	204-945-6698	awarkentin@gov.mb.ca
Allen I. Olson √ Commissioner, IJC		9485 Libby Lane Eden Prairie, MN 55347	202-256-1361	
Bob Harrison √ A/Manager Surface Water Management Manitoba Water Stewardship	<ul style="list-style-type: none"> • Member for Canada on combined board • Member for Canada on ISRB • Member of ISRB Natural Flow Methods Committee 	Box 14 200 Saulteaux Crescent Winnipeg, MB R3J 3W3	204-945-7411	boharrison@gov.mb.ca
Brad Sether √ Supervisor, Hydrometric Technologists USGS	<ul style="list-style-type: none"> • Acting for Steve Robinson 	821 E. Interstate Ave. Bismarck, ND 58503	701-250-7420	basether@usgs.gov
Brian Yee √ Transboundary Waters Unit Environment Canada	<ul style="list-style-type: none"> • Canadian co-secretary of combined board 	2365 Albert St., Rm 300 Regina, SK S4P 4K1	306-780-5040	brian.yee@ec.gc.ca
Bruce Holliday √ District Officer Water Quality Monitoring Environment Canada	<ul style="list-style-type: none"> • Outgoing Canadian co-secretary of SRBWQMG 	2365 Albert St., Rm 300 Regina, SK S4P 4K1	306-780-7608	bruce.holliday@ec.gc.ca
Cathy Martin √ Technical Editor USGS	<ul style="list-style-type: none"> • Outgoing secretary ISRB 	821 E. Interstate Ave. Bismarck, ND 58503	701-250-7424	cmartin@usgs.gov

Name, Title Affiliation √ indicates attendance	Role on combined board Role on ISRB /SRBWQMG	Address	Phone	e-mail
Charlene Prindiville √ Service Hydrologist National Weather Service	<ul style="list-style-type: none"> • US Co-chair Flow Forecasting Liaison Committee • Contributes hydrologic conditions report • Member of ISRB Natural Flow Methods Committee 	2301 University Drive Building #27 Bismarck, ND 58504	701-250-4495	charlene.prindiville@noaa.gov
Cliff Henretty √ Chairman Eaton Irrigation		847 68 th Drive NE Towner, ND 58788	701-537-5456	henretty@ndak.net
Clinton Molde √ Region Manager Saskatchewan Watershed Authority		Weyburn	306-848-0287	clinton.molde@swa.ca
Dale Frink √ State Engineer ND State Water Commission	<ul style="list-style-type: none"> • Member for USA on combined board • US Co-chair, ISRB 	900 East Boulevard Ave. Bismarck, ND 58505-0700	701-328-4940	dfrink@nd.gov
Dennis Fewless Director Water Quality Division North Dakota Department of Health	<ul style="list-style-type: none"> • Member for USA on combined board • US co-chair SRBWQMG 	918 East Divide Avenue, Bismarck, ND 58501-1947	701-328-5210	dfewless@nd.gov
Doug Johnson √ Director, Basin Operations Saskatchewan Watershed Authority	<ul style="list-style-type: none"> • Member for Canada on combined board • Member for Canada on ISRB • Member of ISRB Natural Flow Methods Committee 	Victoria Place 111 Fairford Street East Moose Jaw, SK S6H 7X9	306-694-3959	doug.johnson@swa.ca
Dwight Williamson Director Water Science & Management Branch Manitoba Water Stewardship	<ul style="list-style-type: none"> • Member for Canada on combined board • Member for Canada on SRBWQMG 	Box 12, 200 Saulteaux Crescent Winnipeg, MB R3J 3W3	204-945-7030	dwilliamso@gov.mb.ca

Name, Title Affiliation √ indicates attendance	Role on combined board Role on ISRB /SRBWQMG	Address	Phone	e-mail
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