



International Souris River Board

53 Government Road South
Weyburn, Saskatchewan
August 8, 2013

Final Minutes

Board Members:

Russell Boals, Megan Estep, John Fahlman, Colonel Daniel Koprowski, Gregg Wiche, Dennis Fewless, Nicole Armstrong, Todd Sando and Scott Gangl.

Attendees:

Lana Pollack, Mark Colosimo, Ted Yuzyk (via phone), Scott Jutila, Bruce Holliday, Bob White, Shawne Daviduk, Dan Selinger, Kevin Wingert, Steve Robinson, Frank Durbian, Mark Lee, Jim Olson – KXMC TV Station (Minot), Girma Sahlu.

1. Introduction and Opening Remarks.

Russell Boals convened the meeting at 8:35 a.m. and welcomed IJC staff, Board members and other participants to the meeting. Todd Sando also extended a welcome to all attendees. R. Boals invited Board members and other participants to introduce themselves.

2. Approval of Agenda.

The agenda was approved as circulated.

Motion: John Fahlman moved to accept the agenda as presented. Nicole Armstrong seconded the motion. Carried.

3. Approval of Minutes:

April 25, 2013 Conference Call – The minutes were approved as circulated.

Motion: Gregg Wiche moved to accept the April 25, 2013 Minutes. Scott Gangl seconded the motion. Carried.

June 5, 2013 Conference Call – Minor typo was noted at the very end of the minutes. Corrected to read ISRB instead of IRSB. John Fahlman asked to revise the information on the releases from Alameda and Rafferty reservoirs to read Alameda is releasing 5 m³/s and will continue until June 17-19. A combined release of 25 m³ /s from both reservoirs will continue until mid-June.

Motion: Megan Estep moved to accept the June 05, 2013 Minutes as modified. John Fahlman seconded the motion. Carried.

July 19, 2013 Conference Call – The minutes were adopted as circulated.

Motion: John Fahlman moved to accept the July 19, 2013 Minutes as circulated. Megan Estep seconded the motion. Carried.

4. Review of Action Items

R. Boals mentioned the outstanding action items have been completed or will be addressed in the agenda.

5. Hydrology Committee Report

Megan Estep mentioned the Committee had a brief meeting on August 07 2013. Items discussed included:

- the Procedures Manual,
- Standard Operating Plans (SOP) for Lake Darling completed by the Army Corps. Scott Jutila will provide the SOPs to the Committee,
- Rob Kirkness is now the Canadian Co-Chair of HC,
- Inflow/outflow and area/capacity curves for Rafferty and Alameda. J. Fahlman mentioned that the PMF study has been updated and that Saskatchewan is satisfied with the study. He has requested Ferris Chamberlain (COE) to review the PMF. The PMF will be made available by the end of December 2013 once it is reviewed. The PMF has increased significantly. Some overlap is expected between the PMF study and the POS team work.

6. Determination of Natural Flow of Souris River at Sherwood to May 31, 2013

Dan Selinger presented the results of the natural flow computations to May 31, 2013 completed by Water Survey of Canada. The total diversion in the Souris Rivers basin was 103,802 dam³. Recorded flow at Sherwood was 180,856 dam³. The natural flow computed at Sherwood was 230,042 dam³. According to these computations, the US share at 40% was 92,020 dam³. The flow received by the US was 182,895 dam³ and constitutes a surplus delivery of 90,875 dam³. The annual flow requirement for Long Creek has also been met with a surplus of 18,825 dam³.

Motion: Gregg Wiche moved to accept the Natural Flow Computation to May 31, 2013. Megan Estep seconded. Carried.

7. Review of 2013 Hydrologic Conditions, Summer Hydrologic Forecast, and Planned Operations

a. Saskatchewan

John Fahlman reported Boundary Reservoir is below its full supply level (FSL) with no releases being made at this time. Rafferty and Alameda Reservoirs are both slightly above FSL. An ecological release of 0.5 m³/s (17 cfs) from each reservoir will be made. This release will continue until the normal drawdown elevations are reached sometime in the fall. Todd Sando asked if the ecological release could be maintained once the apportionment obligations were met. J. Fahlman responded there is no benefit to Saskatchewan to maintain the release once apportionment obligations under the Agreement are met as there is no carry over credit from one year to the next for over-delivery. R. Boals stated we cannot give carry-over credit under the present wording of the Agreement. A consideration would to amend the Agreement and use the March to February period instead of the calendar year for apportionment managements as this may facilitate releases during the winter to sustain a live-stream. . Todd Sando asked whether releases would be made if Rafferty and Alameda were below FSL. J. Fahlman replied it would be unlikely releases would be made once the reservoirs reached normal drawdown levels, but understood the desire to maintain a live stream. Megan Estep noted that the releases are better now than before. R. Boals asked if the potential for a winter release is slim. J. Fahlman responded his preference would be to keep a constant release for as long as possible. The release rate would consider the volume of water to be released to reach the expected drawdown levels.

b. North Dakota

Steve Robinson, USGS, distributed a handout showing the hydrologic conditions for the US portion of the Souris River Basin covering the period January 1 to May 31, 2013. According to S. Robinson's report, the total volume of flow at the Long Creek at Noonan gage through May 31, 2013 calendar year was 55,589 acre-ft (68,569 dam³). Flows in the current year are in the normal to above normal range.

S. Robinson also reported that the total volume of flow at the Souris River near Sherwood gage through May 31, 2013 calendar year was 146,620 acre-ft (180,856 dam³). The total flow for the 2013 calendar exceeds the median for the period of record by over 100,000 ac-ft (123,350 dam³). Flows for the current year, based on the past 82 years of data are in the normal to above normal range. The peak discharge for the period January 1 to May 31 was about 2,500 cfs (81 m³/s).

Flows recorded at the Souris River near Westhope gage, according to S. Robinson, exceeded the long-term mean for the entire period. Flows for the current year, based on the past 82 years of record are in the normal to much above normal range. The peak discharge for the period January 1 to May 31 was 4,050 cfs (115 m³/s).

There was discussion on how to determine unregulated flows in the Souris River Basin. J. Fahlman's report to the Public Session had information about regulated and unregulated flows. T. Sando mentioned he would like to see both regulated and unregulated flows at Sherwood. He suggested that the Hydrology Committee could review this issue keeping in mind that the requirement is for a simple routing or water balance approach. Scott Jutila mentioned most of the information is in this year's report and could be extracted easily. G. Wiche noted we are at

least two years into a wet period that is expanding from eastern North Dakota to central North Dakota. R. Boals mentioned there were significant rains in June particularly over the Des Lacs basin that created high flows. Steve Robinson confirmed there were heavy rains that caused significant runoff in Des Lacs.

Action: Girma Sahlu will circulate John Fahlman's report that was presented during the Public Session yesterday (August 7, 2013) to the Board members.

Action: Hydrologic Committee will review the report prepared by John Fahlman, assess the methodology used to compute unregulated flows, and report to the next Board meeting.

c. Manitoba

Mark Lee reported electronically and will send his report to Girma and Bob. M. Lee mentioned the Portage Diversion, which diverts water from the Assiniboine River to Lake Manitoba, was closed about a month ago. The spring runoff on the Manitoba tributaries for the current year began unusually late towards the end of April. Peak levels were well below earlier forecasts as a large portion of the snow pack was lost to sublimation or infiltrated. Soil moisture was normal to below normal in the fall and provided significant storage in the spring. The runoff peaks on the main stem of the Souris River and Manitoba tributaries were very sharp due to rapid melting of the remaining snow. The peak on the main stem of the Souris River at Wawanesa was 8,500 cfs (241 m³/s) caused by a local runoff, which is approximately a 1-in-10 year event.

Summer precipitation has been normal in the Manitoba portion of the Souris River Basin. Large precipitation events have caused above normal flow in Manitoba tributaries. Flows along the Souris River in Manitoba have been above normal and were in the range of 3,500 to 7,000 cfs (99 to 198 m³/s) since the spring freshet in May. As of August 7, 2013, the flow in the Souris River at Wawanesa was 3,400 cfs (96.3 m³/s). The water supply outlook for the remainder of 2013 for the Manitoba portion of the basin is quite good. Levels in the Oak Lake Aquifer are good. Oak Lake and Plum Lake are above normal levels. On-farm water supplies are adequate as there was sufficient runoff to fill dugouts.

d. US FWS

Frank Durbian presented a summary of refuge operations and flows for the US portion of the Souris River Basin for the period January 1 to May 31, 2013. The total provisional inflow measured at Sherwood for the first five months of the year was 146,620 ac-ft (179,316 dam³). This was 145% of the historic January-May inflow which was 82,265 ac-ft (101,432 dam³) for the period from 1938 to 2013. Total provisional outflow measured at Foxholm on the south end of the Upper Souris Refuge for the first five months was 150,070 ac-ft (185,111 dam³). This was 29% of the historic January to May outflow, which was 70,297 ac-ft (86,711 dam³) for the period from 1938 to 2013. Lake Darling elevation increased 1.43 ft (0.44 m) from 1,595.79 ft (468.6 m) on January 1 to 1,597.22 ft (486.8 m) on May 31. Lake Darling was at 1,597.22 ft (486.8 m) on June 1, 2013.

J. Clark Salyer NWR - Total provisional flow measured from the Souris River to the J. Clark Salyer Refuge from January 1 through May 31 was 233,080 ac-ft (287,504 dam³). This was 218 % of the historic January to May inflow, which was 107, 008 ac-ft (131,994 dam³) for the period of 1938 to 2013. Approximately 188,179 ac-ft (232,119 dam³) was passed to Manitoba during the five month period.

Repairs to structures and pumping stations from the 2011 flood are ongoing. The J. Clark National Wildlife Refuge entered 2013 with complete drawdowns in pools 320 and 326 and partial drawdowns in pools 332, 341, and 357. The 2013 management plan included raising water levels in pools 320, 326, and 332 and then slowly releasing water throughout the summer to mimic a seasonal water level decline and drawing down pools 341 and 357 by June 1st. Megan Estep noted the US FWS report needs to be reviewed and finalized. Scott Jutila mentioned flood operations ended on July 19, 2013. It was noted that the Agriculture Commissioner plans to announce assistance for farmers later this week as there is no crop insurance for hay.

8. Report from the Souris River Task Force

a. Status Report on the POS submitted to the IJC

R. Boals asked about the status of the POS. Mark Colosimo replied the IJC sent the POS to governments for their consideration. M. Colosimo stated that there were several issues outside the Board's and the IJC's mandate. On June 17, IJC asked governments for authority through a reference to address infrastructure upgrade concerns and funding. Ted Yuzik mentioned the IJC has made the request and expect a response by the end of summer. M. Colosimo noted no decision has been made from the US side. R. Boals mentioned the POS funding is to outsource a number of the activities. G. Wiche mentioned the USGS had two meetings with the ND SWC about stochastic study of the Souris River Basin much like they did for Devils Lake. T. Sando said the ND SWC funded the reconnaissance study and the USACE did the work. M. Colosimo noted that the Gap Analysis identified in the 2011 Flood POS is an IWI project. The funding request for the POS will be on the IJC agenda for the October hearings in Ottawa. There were few questions from Board members who wanted to know when the funding would be available for the POS. The IJC representatives were not sure but, hoped to hear from their respective governments by the end of the summer.

The Board then continued discussing the stand-alone items that it could do while waiting for the POS to be approved and funded. J. Fahlman suggested identifying tasks where progress could be made. R. Boals mentioned the Board could select activities as identified in the Optimum Plan.

Action: Board to review the POS and identify activities in the Optimum Plan that it could undertake while waiting for a response from governments. This will be discussed further at the next Board conference call tentatively set for September 17, 2013 at 9:00 a.m. CST/ 10 a.m. CDT.

Bruce Holliday asked if there was a water quality input into the POS. R. Boals answered that water quality was considered in principle. Scott Gangl also asked how water quality input could be provided to the POS. M. Colosimo stated that once the POS is approved the Board will have an opportunity to input and guided the work under the POS. M. Colosimo suggested that the Board appoint a Project Leader to serve as a liaison between the IJC and the Board.

9. Water Quantity Monitoring

Joint measurements are carried out by the Water Survey of Canada (WSC) and the USGS to determine accuracy of measurements conducted by both agencies. Comparison of measurements for the Long Creek near Roche Percee, Long Creek at Western Crossing, Souris River near Sherwood, and Long Creek near Noonan were 8%, 3.7%, 0.4% and 3.6%, respectively. Each agency did the measurements using its own equipment and crew. Dan Selinger mentioned that the pan evaporations site in Weyburn has been replaced by a climate station. Flood hardening work was done at the Sherwood gage. IJC provided money to repair the weir and harden the banks. The USGS hopes to complete the work in October. The Minot gauge needs similar work due to a bank collapse. No changes to the network are expected.

10. Water Appropriation in the Souris River Basin During 2013

J. Fahlman mentioned there were 25 new applications for groundwater, and 5 new applications for surface water (small projects) in the Saskatchewan.

Bob White reported that there were no surface water appropriations in North Dakota in 2013. There was 1 application for groundwater for the City of Crosby for 200 ac-ft (247 dam³). In addition, there were 618 temporary applications for oil and gas activities. In North Dakota, temporary permits could last for a day, week or up to 1 year.

11. Update from the Flow Forecasting Liaison Committee (FFLC)

J. Fahlman reported the FFLC has been meeting on a regular basis via conference call to discuss flood operations. Flood operations have been declared over. Generally, the FFLC functions very well with a number of lessons learned from the 2011 flood event. R. Boals mentioned he is pleased to hear that the FFLC is working well. There was a discussion about updating the membership of all committees.

Action: Each committee co-chairs to review their membership and provide an update list to the Board co-chairs and secretaries.

12. Update from the Aquatic Ecosystem Health Committee (AEHC)

Bruce Holliday provided an updated list of members for the AEHC. B. Holliday mentioned AEHC had two conference calls. There was a face-to-face meeting yesterday between Scott Gangl, Nicole Armstrong, and Bruce Holliday. Heather Duchscherer has prepared a Communications Protocol for Fish Kills and it will be presented at the next Board meeting. B. Holliday asked the Board to review the water quality objectives currently in use. There were also questions on how to provide input to the POS. The current water quality objectives need to be reviewed and updated. S. Gangl mentioned a literature review would help provide input to the POS. Nicole Armstrong agreed that this was a critical first step. The water quality objectives were looked at 6 years ago and another assessment should be done next year.

Action: AEHC will do a literature review related to water quality objectives.

a. Review of Water Quality Standards in North Dakota

Dennis Fewless explained the Tri-Annual Water Quality Standards review process in North Dakota. He mentioned there is very little change each time (every three years) a review is conducted. D. Fewless also noted that aquatic life and human life criteria are treated separately in the North Dakota review process.

b. Water Quality Monitoring Plan

The monitoring plan for Sherwood and Westhope will remain the same as last year.

13. Compliance with Water Quality Objectives for 2013

Bruce Holliday reported a total of 11 Water Quality samples were collected by Environment Canada in 2012 (February, April, May, June, July, August, September, and December). Eight samples plus a triplicate were collected at Westhope and one joint sample with the USGS at Sherwood. The following is a summary from B. Holliday's report:

- There is 100% exceedance of Total Phosphorus for all the reported data for 2012. The Total Phosphorus values ranged from 0.105 mg/L on February 29, 2012 to 0.638 mg/L on July 26, 2012 at Westhope. The objective for Total Phosphorus is 0.10 mg/L.
- Sodium exceeded the objective of 100 mg/L for 9 of the 10 samples. The results ranged from 90 mg/L collected on April 17, 2012 to 322 mg/L collected on December 18, 2012.
- Sulphate exceeded the Water Quality Objective of 450 mg/L in 7 of the 10 samples collected in 2012. The Sulphate values ranged from a minimum of 278 mg/L on April 17, 2012 to a maximum of 838 on December 18, 2012.
- Total Dissolved Solids exceeded the WQ Objective of 1000 mg/L in 8 of the 10 samples collected. The exceedances ranged from 1094 to 1847 mg/L.
- Total Iron exceeded the Water Quality Objective of 300 ug/L four times in 2012. The exceedances ranged from 305 ug/L to 541 ug/L.
- pH exceeded the Water Quality Objective of 8.5 pH units in 7 of the 10 samples. The exceedances ranged from 8.55 to 9.47.
- The Dissolved Oxygen concentration fell below the 5 mg/L Objective once during 2012. This occurred on December 18, 2012 with a value of 0.86 mg/L.

Organics - Pesticide samples were collected in April, May, June, July, and August.

- 2,4-D, Atrazine, Bromoxynil, Dicamba, MPCA, and Picloram had positive results but were below their respective Water Quality Objectives.

General Observations

- Since April 2010 Chloride has not exceeded the WQ Objective of 50 mg/L.
- Sulphate, Sodium, and TDS values appear to be generally higher in 2012 compared to 2011; this is probably due to decreased flow compared to 2011. Some of the metals are also a bit higher in 2012 compared to 2011. These differences may also be attributed to the different hydrological conditions of 2011 and 2012.

J. Fahlman asked what these data mean. B. Holliday responded objectives are influenced by flow and floods flush the system. When comparing 2012 and 2013, the trend shows the median going up while the maximum is going down. Sodium, sulphate, and iron exceedances are common during low flows. Questions were asked whether the objectives were set for drinking water, aquatic life, irrigation, or livestock. It was suggested to invite John-Mark Davies to participate in future discussions regarding the objectives and other water quality parameters. D. Fewless noted areas below Sherwood have historically experienced low dissolved oxygen levels.

14. International Watersheds Initiative (IWI) Projects

a. Strategic Projects Supported by the IWI – Data Harmonization

Ted Yuzyk mentioned ISRB was instrumental in the Data Harmonization and SPARROW Model initiatives. T. Yuzyk added there will be a two-hour discussion during the October 2013 IJC appearance in Ottawa regarding Strategic Initiatives. The following five topics were suggested by the IJC (letter to Boards dated June 25, 2013) as possible strategic initiatives:

- Aspect of climate change and its impact on the responsibilities of the Boards,
- The role and needs of adaptive management,
- Water flow needs for fisheries,
- Other significant water quality challenges beyond eutrophication that are shared, or
- The need to assess international water quality objectives.

Commissioner Lana Pollack, IJC Co-Chair, mentioned the strategic projects paper was the result of an IJC's Commissioners retreat. She mentions that there will be a conference call in mid-September 2013 to discuss the POS and IWI letter.

Action: Girma Sahlu will attach the IJC letter to the minutes.

b. Discussion on ISRB becoming an IWI Board

Mark Colosimo identified the steps ISRB needs to take to move from a “pilot” to “full-fledged” IWI board. In 2007, the new directive for the Board provided a mandate for ISRB to become an IWI Board and to operate as an IWI board. To become a full-fledged IWI Board the ISRB needs to identify public members. The ISRB would be renamed the ***International Souris River Watershed Board***. The Red and Souris have pilot watershed boards. The Red Board has one public member from each country. Souris Board could also have one public member from each country. The St. Croix and Rainey/Lake of the Woods are full-fledged watershed boards. Meg Estep asked about the advantages of becoming a watershed board. M. Colosimo responded that formalizing the Board as a full-fledged IWI Board would result in the governments considering it more for greater funding. Governments would like to increase public involvement and active participation. First Nations participation is encouraged. The IJC also wants public participation on the Boards. The IJC would like to ask the Board to consider nominations. M. Colosimo would like the Board to suggest how many and who will be nominated. This item will be on September conference call agenda for discussion. J. Fahlman asked whether the IJC was

looking for expertise from the public. The issue of public participation was raised at the Spring 2013 IJC hearings in Washington D.C. Regarding travel expenses for public Board members, IJC would address this on a case-by-case basis.

Commissioner Lana Pollack stated the IJC has a long tradition of asking people to be experts but, encourages them to think outside of their jurisdiction and think of the basin as a whole. IJC wants diversity of opinions and specially those who could speak for the entire basin.

c. Nutrient Management Study through the IRRB

Nicole Armstrong made a presentation on behalf of the Water Quality Committee of IRRB. N. Armstrong's presentation focused on nutrients and their impact on water quality across the International Red River watershed and Lake Winnipeg and specially issues pertaining to algal blooms. Algal bloom covered 10,000 km² of north basin of Lake Winnipeg in 2005. Increases in nutrients like nitrogen and phosphorus contribute to excessive algal blooms. Recently, Individuals have started taking matters into their own hands by dumping copper sulphate into the lake in an effort to control algal blooms, which of course is illegal.

The nutrient issue is a big challenge because nutrients are increasing. In addition, there are many sources of nutrients (natural and man-made), and the Red involves a large international watershed. It also requires numerous jurisdictions to work collaboratively to develop an enhanced, coordinated, and systematic strategy to address the problem.

AEHC is discussing this issue in their review of the water quality objectives. D. Fewless noted the nutrient issue is very complicated, we should try to tie it to local water quality issues. The Red River Water Quality Committee, conducting the study, is composed of 14 members and needs to bring in an agriculture representative to the group, which could be a member of the public. Like the Red River basin, nutrients are of concern in the Souris River basin. AEHC will pursue the nutrient issue in the Souris River Basin in its future undertakings.

d. SPARROW Model

Ted Yuzyk mentioned the final iteration of the model is underway and that Nicole Armstrong is involved. The plan is to expand the model into the Winnipeg River Basin and further east. N. Armstrong noted there is an opportunity for knowledge transfer with the University of Saskatchewan, which is currently working on the South Saskatchewan River system.

e. Board Membership

The Board discussed membership and member replacements. Canada is currently two members short. David Donald has retired from the Board. Environment Canada is finding it challenging to replace his position on the Board. IJC is having discussions with

Environment Canada and may have to look at other federal departments or academia for replacement member. Regarding Manitoba's vacant position, N. Armstrong mentioned they are still working on the recommendation/nomination.

Roundtable – Commissioner Lana Pollack mentioned that the progress towards a full-fledged IWI Board is encouraging. T. Sando noted the need for more flood protection for the City of Minot. Lots of hurdles in Washington D.C. Locals in Minot are anxious to get more flood protection. Finding funding is a big issue including the Fargo-Moorhead Project.

Action: The Board decided to have a conference call on September 17, 2013 at 9:00 a.m. CST/10:00 a.m. CDT to discuss the IJC letter and the POS.

15. Update on Water Management Projects

- NAWS

No new development since the last update.

- Lake Metigoshe

Board to write a letter to the IJC and ask for the issue to be on the agenda for the October IJC- Government meeting with the US State Department and Canadian Department of Foreign Affairs. M. Colosimo suggested that the Board write a letter to the Commissioners attention.

Action: Bob White will draft a letter for R. Boals and T. Sando's signature and send the letter to M. Colosimo and T. Yuzyk for their approval.

- Manitoba is looking at flood mitigation projects in the Assiniboine River Basin, not much in the Souris River Basin.

16 Update Work Plan

- 2011 Annual Report

Scott Juitla volunteered to help with the 2011 report narrative.

- 2012 Annual Report

Bob White will focus mainly on the 2012 Annual Report. Once done, he will help S. Jutila on the 2011 report narrative.

17. Next meeting

The next face-to-face meeting is to be held on February 20, 2014 in Bismarck, ND. The ND State Water Commission will co-ordinate.

18. Adjournment

The meeting was adjourned at 1:50 p.m. on August 8, 2013.

**List of Attendees,
International Souris River Board Meeting
August 8, 2013**

Board Members in Attendance

Russell Boals, Canadian Co-chair, Retired, Regina, SK
Todd Sando, U.S.A. Co-chair, ND State Water Commission, Bismarck, ND
Col. Daniel Koprowski, Member for the U.S.A, U.S. Army Corps of Engineers, St. Paul, MN
John Fahlman, Member for Canada, Saskatchewan Watershed Authority, Moose Jaw, SK
Gregg Wiche, Member for the United States, U.S. Geological Survey, Bismarck, ND
Megan Estep, Member for the U.S.A, U.S. Fish and Wildlife Service, Denver, CO
Nicole Armstrong, Member for Canada, Manitoba Conservation & WS, Winnipeg, MB
Scott Gangl, Member for the United States, ND Game & Fish Department, Bismarck, ND
Dennis Fewless, Member for the U.S.A., ND Department of Health, Bismarck, ND

IJC Staff

Commissioner Lana Pollack, IJC, Washington, D.C.
Ted Yuzyk, Liaison, IJC, Ottawa
Mark Colosimo, Engineering Advisor, IJC, Washington, D.C.

Support Staff in Attendance

Robert White, U.S. Co-secretary, ND State Water Commission, Bismarck, ND
Frank Durbian, US FWS, Uphom, ND
Scott Jutila, US ACE, St. Paul, MN
Mark Lee, Manitoba Conservation and Water Stewardship, Winnipeg, MB
Steve Robinson, USGS, Bismarck, ND
Dan Selinger, Water Survey of Canada, Environment Canada, Regina, SK
Shawne Daviduk, Water Survey of Canada, Environment Canada, Regina, SK
Kevin Wingert, Saskatchewan Watershed Authority, Swift Current, SK
Bruce Holliday, Environment Canada, Regina, SK
Girma Sahlu, Canadian Co-secretary, Environment Canada, Regina, SK

Observers

Jim Olson, KXMC-TV, Minot, ND

International Souris River Board
ACTION ITEMS – progress updated August 8, 2013

PERSONS OR COMMITTEE RESPONSIBLE	TOPIC	MINUTE	ACTION	STATUS As of August 8, 2013
Bob Harrison Martin Graczyk Ed Eaton	Report on the spring 2009 flood.	Sep 25/09-3 June 18/09-10d.	SRFFLC to write a report on the spring 2009 flood. The report is to document what happened, provide a chronology of events, examine why the forecast (at Minot) was too high, lessons learned, and make recommendations for improvements for the future.	Ongoing Ed Eaton reported that he has spoken with Brian Connelly. Funding to do the work is available. Ed estimated that the report would be drafted by the end of September. Allen Schlag reported that Brian Connelly is working on a critique of the 2009 flood estimates produced by various organizations. Ed noted that he would like to incorporate Brian's report into his flood report.
Megan Estep	Report on COH	September 14, 2011	Update from the Committee on Hydrology on assigned work plan items	ongoing
AEHC	Compliance with Water Quality Objectives	September 14, 2011	AEHC to recommend actions to be taken by the Board to address exceedences of water quality objectives	ongoing
John Fahlman	Winter release from mid-level outlet for better water quality	June 20, 2012	J. Fahlman to check with his staff if releases could be made from the mid-level out of Rafferty Reservoir to improve water quality downstream and respond to Mike Sauer.	ongoing
Flow Forecasting Liaison Committee	New Communication Strategy	June 20, 2012	The Flow Forecasting Liaison Committee will create a formal communication strategy	ongoing
AEHC	New E. coli objective	June 20, 2012	AEHC will prepare a short report detailing the justification/reasons for adding E. coli to the ISRB Water Quality Objectives	ongoing
AEHC and COH	Varying flow rates for winter releases	June 20, 2012	AEHC and COH will develop a plan for testing various winter release rates to determine the optimum flow rate to maintain DO levels	ongoing
ISRB	Engaging the Upper Souris Watershed Association with Board activities	June 20, 2012	As an IWI Board, the ISRB would continue to seek opportunities to engage watershed associations and the public	ongoing
AEHC	Terms of Reference	February 20, 2013	AEHC Co-chairs to send their TOR to the Board	ongoing
Girma Sahlu	John Fahlman's Report to the Public Session	August 8, 2013	Send J. Fahlman's Report, "2013 Spring / Summer Runoff", to all Board members	ongoing
Hydrology Committee	Review John Fahlman's Report	August 8, 2013	The Hydrology Committee to review J. Fahlman's report titled, "2013 Spring /Summer Runoff".	ongoing

International Souris River Board
ACTION ITEMS – progress updated August 8, 2013

PERSONS OR COMMITTEE RESPONSIBLE	TOPIC	MINUTE	ACTION	STATUS As of August 8, 2013
ISRB	POS	August 8, 2013	Board to identify activities that it could undertake while waiting for funding approval from governments.	ongoing
Committee Co-Chairs	Membership list	August 8, 2013	Committee Co-Chairs to review and send listing of their members to Board Co-Chairs and Co-Secretaries.	ongoing
Girma Sahlu	IJC June 25, 2013 letter	August 8, 2013	Girma Sahlu will attach the IJC letter on “Strategic Projects” to the August 8, 2013 Board minutes	ongoing
Girma Sahlu	Mid-September conference call	August 8, 2013	Girma Sahlu to set-up a conference call for September 17, 2013 at 9:00 a.m. CST/10:00 a.m. CDT	completed
Bob White	Letter to the IJC	August 8, 2013	Bob White will draft a letter for Co-Chairs signature re: Lake Metigoshe that will be sent to the IJC	ongoing
Scott Jutila	2011 Annual Report	August 8, 2013	Scott Jutila will write the narrative to the 2011 Annual Report	ongoing
Bob White	2012 Annual Report	August 8, 2013	Bob White will complete the 2012 Annual Report	ongoing

Note: When two or more meetings are referenced to an item; that indicates a carry-forward of an action item from previous meetings.