

1) What provincial flood control infrastructure is currently located in or planned for the Boyne - Morris Watershed? If applicable, please provide a description of each of these structures.

- **Existing structures:**

- Carman Diversion: Diverts a portion of the Boyne River flows around the north of the Town of Carman. The diversion channel is 14km long.
- **Community Dikes:**
 - Morris: 8.5 km long dike.
 - Riverside: 2 km long dike.
 - Rosenort: 17.3 km long dike.
 - Brunkild: 4.1 km long dike.
 - Ste. Agathe: 10.1 km long dike.

- All of the above flood control infrastructure are designed and constructed based on a 100-year event.

- **Planned Structures:**

- No new flood control infrastructure (such as diversion or community dike) is planned in the Boyne-Morris watershed.

2) What are the major water management and infrastructure issues in this watershed?

- Wood bridges on provincial waterways are deteriorating and funding is limited for addressing this.
- Requirement for drain maintenance is quite significant, and available funding must address many competing needs.
- Lack of vegetated buffers results in excessive sediments in drainage channels

3) Can you provide information on the management of Stephenfield Lake Reservoir?

- The Stephenfield Lake reservoir is operated by the Province of Manitoba according to an established Rule Curve for the dam,

stipulating the riparian outlet releases and target reservoir levels throughout the year. Releases are increased in the later summer months (July to September) to accommodate downstream irrigation needs, while spring and fall releases are minimized to conserve water supply. Excess water above the spillway elevation flows over the wooden spillway structure.

4) What are some options to provide a more coordinated approach to drainage and water control issues between various stakeholders (i.e., Landowners, RM's, Province) in this watershed?

- Develop proactive approach to solve problems by setting up regular meetings between the provincial government and local governments in the Boyne-Morris IWMP to coordinate annual work plan.
- Province abandoning the provincial drains and local governments handle maintenance and reconstruction of all drains in the watershed including structures on the waterways, i.e. bridges and culvert crossings. Province to provide funding for work on the former provincial waterways. (Same model as the Whitemud Watershed Conservation District)
- Similar to the option above except the province keeps responsibility for the bridges and culvert crossings.
- In situation where RMs have sufficient funds and strong local needs, RMs take over responsibility for maintaining and reconstructing specific provincial drains.

5) What major projects does Manitoba Infrastructure have planned for Provincial Waterways in this watershed in the next 3 years? Which provincial drains are scheduled for routine maintenance in the next 3 fiscal years?

Major projects planned for Provincial Waterways:

Manitoba Infrastructure's major projects planned within the Boyne-Morris IWMP over the next three years, up to and including the 2019-2020 fiscal year, include significant reconstruction works on the following drains and drop structure. This is however subject to possible changes in priority and availability of funds.

- Tobacco Creek: Resloping of internal channel template and rehabilitation of drop structure. [In progress, near completion]

- Kronsgart Drain : 17 miles of drain reconstruction. [Proposed for next year]
- Anderson Drain: 10 miles of drain reconstruction. [Proposed for 2020 fiscal year]
- Boundary Drain Rock Drop Structure. [Proposed for next year]

Provincial drains scheduled for routine maintenance:

Maintenance Program over the next three years includes significant maintenance works on the following drain. Note that these are projects that are included in a long term planning program. Similar to the above capital projects, funding for these projects still needs to be approved and is dependent upon priorities across the entire province.

- Tobacco Creek
- Roberts Drain
- 11 A Drain

6) Are there any diversions from the Assiniboine River watershed into the Boyne-Morris River watershed? If so, please provide information on the location, the amount of water transferred, and when the diversion was in operation (or if it still is currently in use).

- Private land owners pump from Assiniboine River to their lands near Treherne for crop irrigation purposes.