

Manitoba Water Stewardship Water Branch



Re-Computation of Natural Water Levels at the Floodway Inlet

FINAL REPORT

APRIL 2004

P14533.01

Acres Manitoba Limited




Manitoba Water Stewardship Water Branch

Manitoba 

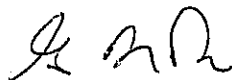
Re-Computation of Natural Water Levels at the Floodway Inlet (Final Report)



Prepared by: Bruce Harding, P.Eng.



Prepared by: Grant Mohr, P.Eng.



Approved by: Grant Mohr, P.Eng.



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Manitoba Water Stewardship
Water Branch
Box 14, 200 Saulteaux Crescent
Winnipeg, MB R3J 3W3

Attention: Mr. R. J. Bowering, P.Eng.
Manager
Surface Water Management Section

Dear Mr. Bowering:

**Re-Computation of Natural Water
Levels at the Floodway Inlet
Final Report**

Please find enclosed twenty (20) copies of the above titled report. This report incorporates comments received on our March 2004 draft.

This "new" report is a significant expansion upon our earlier July 2003 report. Along with additional documentation of our methods, the results of our quality control review of the historical 1950 and 1966 flood data has had a significant impact on our collective understanding of the historical data, has changed our calibration methods and has ultimately resulted in an improved final product.

We feel that the documentation contained in this report will provide future modellers a better understanding of the historical flood data and the issues surrounding the data, the steps we used in creating and calibration the HEC-RAS model and some of the issues/uncertainties we have encountered in undertaking this study.

If you have any questions please feel free to call at your convenience.

Yours very truly,

G.E. Mohr, P.Eng.
Project Manager

GEM:sep
Encl

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Acres Manitoba Ltd. acknowledges the assistance of several staff from the Water Branch principally Mr. Rick Bowering and Mr. Eugene Kozera. Acres would also like to acknowledge the contributions of the Technical Sub-committee for their practical advice and contributions throughout this study.

STUDY TEAM

The following individuals were directly involved in this study and preparation of this report.

Mr. Grant Mohr, P. Eng.
Mr. Bruce Harding, P. Eng.
Mr. John Remi, E.I.T.

Project Manager
Hydraulic modelling
GIS