



Map projection: Transverse Mercator
Central Meridian: 101°
North American Datum 1983

- SYMBOLS**
- Major highways
 - Railways
 - Federal and provincial parks
 - - - Provincial boundary
 - DLS system (downs/uprange grid)
 - Manitoba Geological Survey data
 - ▲ Manitoba Petroleum Branch data
 - Saskatchewan data
 - Formation edge (subcrop, outcrop)
 - Large-scale geological structure
 - Limit of Phanerozoic outcrop



Targeted Geoscience Initiative (TGI)
WILLISTON BASIN ARCHITECTURE AND HYDROCARBON POTENTIAL
Jurassic Upper Watrous Formation
(Upper Amaranth Evaporite): Isopach

Stratigraphic Map SM2008-JUW-1

Contour interval: 2 metres Scale: 1:1 000 000



Geological compilation: TGI Williston Basin Working Group: R.K. Bezys¹, K. Kreis², C. Martiniuk³, D. Barchyn⁴, J. Christopher⁵, J. Coolican⁶, G.G. Conley⁷, A. Cross⁸, F. Haid⁹, G.R. Keller¹⁰, D. Kerd¹¹, A. Mason¹², G.L. D. Maitle¹³, M.P.B. Nicolas¹⁴, P. Thomas¹⁵, S. Spooner¹⁶, M. Yurkowski¹⁷, A. Nimegeers¹⁸, E. Nadeau¹⁹, M. Opatosh²⁰, T. Muijs²¹

GIS spatial analysis and cartography: L.E. Chackowsky²²

Published by: Manitoba Science, Technology, Energy and Mines, Manitoba Geological Survey, 2008

¹ Manitoba Science, Technology, Energy and Mines
² Saskatchewan Ministry of Energy and Resources
³ Geological consultant
⁴ Formerly of Manitoba Science, Technology, Energy and Mines
⁵ Formerly of Saskatchewan Ministry of Energy and Resources

Digital release only; maps can be downloaded free of charge in PDF format at www.manitoba.ca/minerals or www.WillistonTGI.com

Suggested Reference:
 TGI Williston Basin Working Group 2008: Jurassic Upper Watrous Formation (Upper Amaranth Evaporite): Isopach; Manitoba Science, Technology, Energy and Mines, Manitoba Geological Survey, Stratigraphic Map SM2008-JUW-1, scale 1:1 000 000, URL www.WillistonTGI.com.