

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

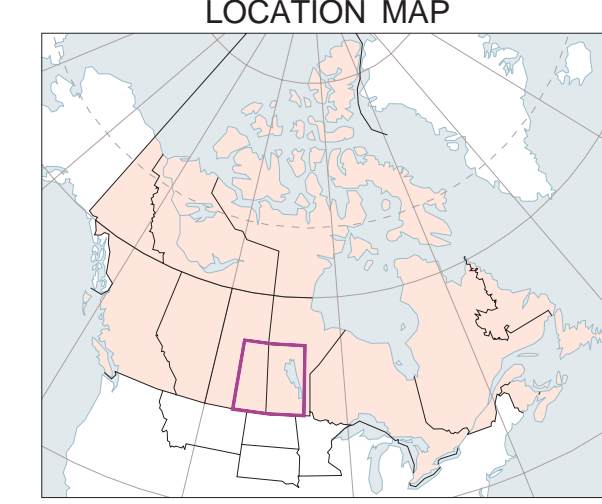
- SYMBOLS**
- Major highways
  - Railways
  - Federal and provincial parks
  - - - Provincial boundary
  - - - DLS system (down/up/range grid)
  - Manitoba Geological Survey data
  - ▲ Manitoba Petroleum Branch data
  - Saskatchewan data
  - Formation edge (subcrop, outcrop)
  - Large-scale geological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



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

Stratigraphic Map SM2008-JUW-S

Contour interval: 20 metres Scale: 1:1 000 000



**Geological compilation:** TGI Williston Basin Working Group: R.K. Bezys<sup>1</sup>, K. Kreis<sup>2</sup>, C. Martiniuk<sup>3</sup>, D. Barchyn<sup>4</sup>, J. Christopher<sup>5</sup>, J. Coole<sup>6</sup>, G.G. Conley<sup>7</sup>, A. Cross<sup>8</sup>, F. Haid<sup>9</sup>, G.R. Keller<sup>10</sup>, D. Kerf<sup>11</sup>, A. Mason<sup>12</sup>, G.L. D. Maitle<sup>13</sup>, M.P.B. Nicolas<sup>14</sup>, P. Thomas<sup>15</sup>, S. Spooner<sup>16</sup>, M. Yurkowski<sup>17</sup>, A. Nimegeers<sup>18</sup>, E. Nadeau<sup>19</sup>, M. Opat<sup>20</sup>, T. Muijs<sup>21</sup>

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

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