


STRATIGRAPHIC MAP SERIES Dd-1  
**STRUCTURE CONTOUR & ISOPACH MAP**  
**DEVONIAN – DUPEROW FORMATION**

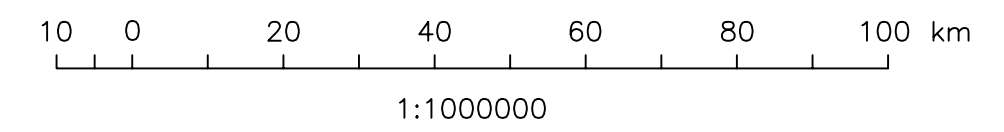
- STRUCTURE CONTOUR (250' Contour Interval)
- - - ISOPACH CONTOUR (100' Contour Interval)
- - - ISOPACH CONTOUR (20' Contour Interval)
- ±250 / 10 ELEVATION ABOVE (BELOW) SEA LEVEL DATUM
- THICKNESS OF DUPEROW FORMATION
- STRUCTURE TEST HOLE – SWAN RIVER AREA
-  DUPEROW FORMATION (subcrop area – unconformably overlain by Jurassic or Cretaceous Strata)

NOTE: Local isopach and structure anomalies in the vicinity of Twp.5, Rge.25 and in the Swan River area probably are related to Prairie Evaporite salt solution and collapse. For detail in the Swan River area see Map D-2.

Some well control omitted, vic. Tp.16-19, Rge.29. (potash test area). For detail see inset Map B.

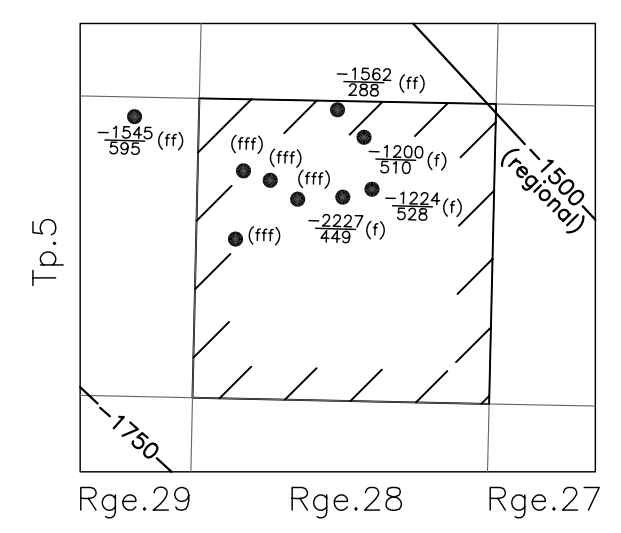
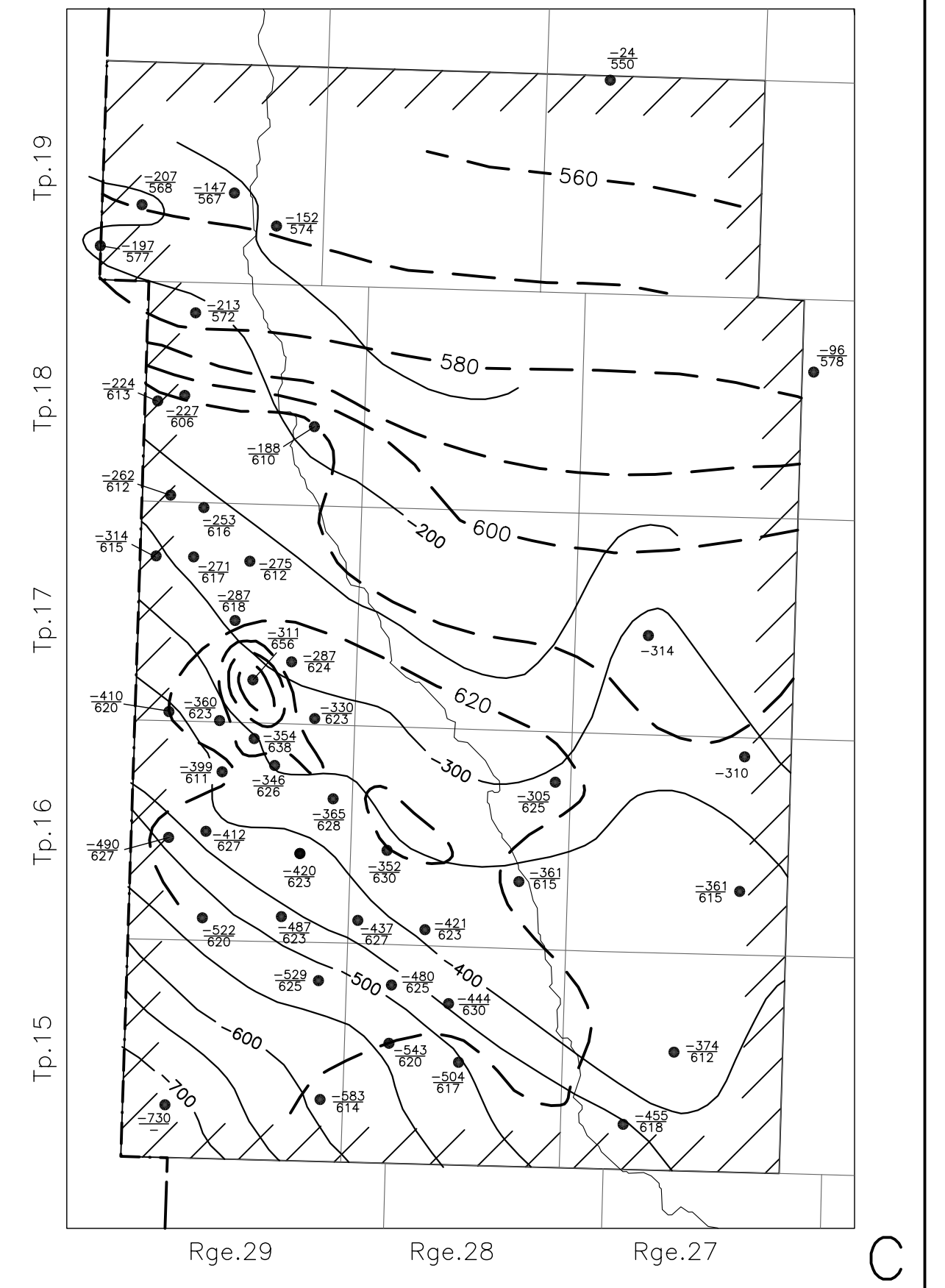
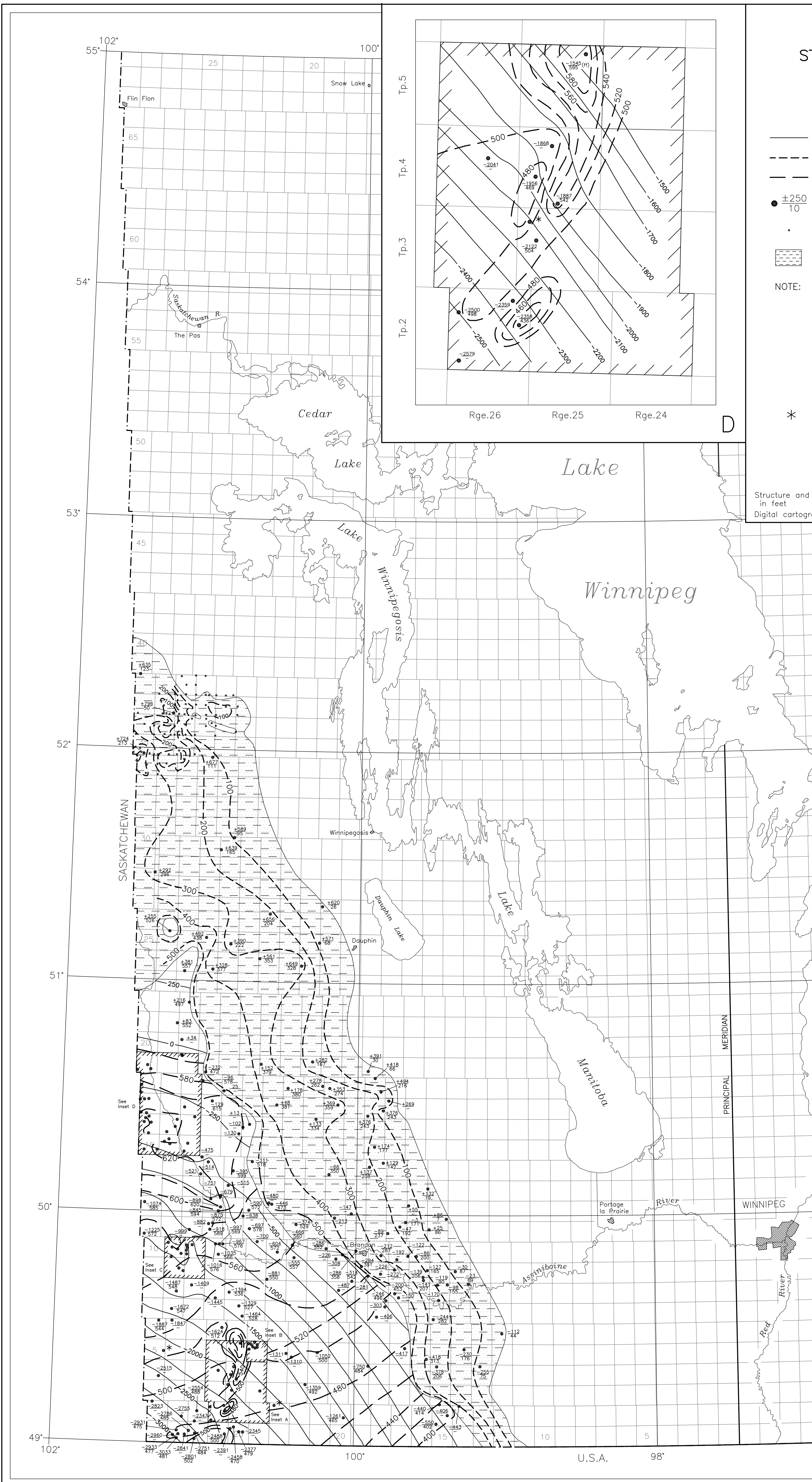
The marker used to define the base of the Duperow Formation occurs 40 to 60 feet below that used by the Saskatchewan and North Dakota surveys. See figures in "Table of Lower Paleozoic Formation Tops".

\* Correlations uncertain due to faulting associated with salt solution and collapse

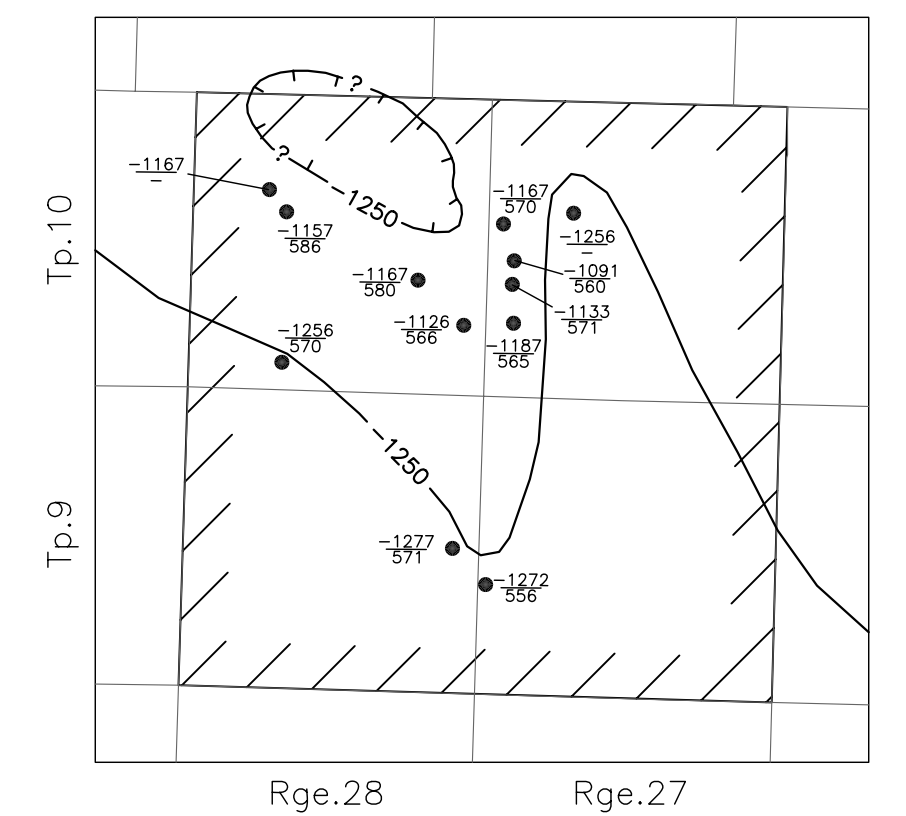


Structure and Isopach values are given in feet  
 Digital cartography by: M.E.McFarlane

Revised: January, 1980/H.R.McCabe  
 December, 1991/C.D.Martiniuk  
 Reissued: R.K.Bezy/1998



HARTNEY AREA  
 Contours not indicated in Tp.25, Rge.24.  
 Structurally complex area; probable crater structure.  
 (f) – some faulting noted, or significant isopach anomaly.  
 (fff) – highly faulted; no correlation possible.



DALY AREA  
 Structure estimated in part from structure on Mississippian Crinoidal Marker.

C

B

A