

Data sets

Control point data

The following files of isopach data contain the unique well identifier, location (in latitude and longitude) of the wells that were used to create the grids for the contour maps associated with the report, as well as the thickness values for those wells where the top and bottom of the salt units were identified. These files are in ASCII " comma separated value" format. Note that some spreadsheet software will attempt to convert the unique identifier field to scientific resolution. Such a conversion will result in modifications such that the well ID will become incorrect.

- COLDLAKE_ISO.CSV - Cold Lake Salt
- LOTSBERG_ISO.CSV - Lotsberg Salt
- PREVAP_ISO.CSV - Prairie Evaporite

Polygon & Polyline data

The following files contain polygon and polyline data in the Atlas ASCII format. Data in this format consist of a header record followed by vertex coordinate records. The header line consists of a 16-column polyline name followed by an 8 column, right-justified number. The number gives the count of vertices to follow. The vertex records contain a 12-column longitude, followed by four blanks, followed by a 12-column latitude. Both longitude and latitude are given in decimal degrees.

- CLDLK_CP.DEG - Cold Lake clipping polygon
- CLDLK_PG.DEG - Zero outline of Cold Lake Salt modified from Atlas boundaries
- ELKSOUTCROP_PG.DEG - Outlines of Elk Point Group outcrop in WCSB
- ELKSSALT_PG.DEG - Areas of salt dissolution of Prairie Evaporite
- ELKS_CPG.DEG - Elk Point Group outline in WCSB
- LI_COL_BREC.DEG - Areas of salt dissolution of Cold Lake Salt
- LLOTS_PG.DEG - Zero outline of Lower Lotsberg Salt, also serves as clipping polygon
- PREVAP_0_PG.DEG - Zero edge of Prairie Evaporite
- PREVAP_40_100_CP.DEG - Prairie Evaporite where halite >40% clipping polygon
- PREVAP_40_100_PG.DEG - Prairie Evaporite where halite >40%
- PREVAP_DIS_E_PG.DEG - Prairie Evaporite dissolution edge
- ULOTS_PG.DEG - Zero edge of Upper Lotsberg Salt, also serves as clipping polygon

Surface Grid Data

The following files contain surface grids as X, Y, Z triplets. These were derived by inverting the engineering transform and then the cartographic projection used in gridding data when constructing the maps. The coordinate of every grid node, which was associated with a non-null value, was inverted. The two additional values in each record give the column and row number of the node within the original grid (this is primarily of administrative interest). The files are in ASCII fixed format. Each record contains a 12-column longitude, followed by four blanks, followed by a 12-column latitude followed by four blanks, followed by a 16 column "Z" value (isopach or depth). Both longitude and latitude are given in decimal degrees; "Zs" are in metres.

- B_CLDLK_D_CPTS.DAT - Depth to base of Cold Lake Salt
- B_CLDLK_E_CPTS.DAT - Elevation grid of base of Cold Lake Salt

- B_LOTS_E_CPTS.DAT - elevation of base of Lotsberg Formation
- B_PREVAP_E_CPTS.DAT - Elevation of base of Prairie Evaporite
- B_ULOTS_D_CPTS.DAT - Depth to Upper Lotsberg Salt
- B_ULOTS_E_CPTS.DAT - Elevation of base of Lotsberg Formation
- CLDLK_I_CPTS.DAT - Isopach of Cold Lake Salt
- CLDLK_I_CP_CPTS.DAT - Isopach of Cold Lake Salt including zero outline data
- LLOTS_D_CPTS.DAT - Depth to Lower Lotsberg Salt
- LLOTS_E_CPTS.DAT - Elevation of Lower Lotsberg Salt
- LLOTS_I_CPTS.DAT - Isopach of Lower Lotsberg Salt
- LOTS_I_CPTS.DAT - Isopach of Lotsberg Formation
- MLOTS_I_CPTS.DAT - Isopach of shale interval between Lower and Upper Lotsberg salts
- PREVAP_I_CPTS.DAT - Isopach of Prairie Evaporite
- PREVAP_I_TOT_CPTS.DAT - Isopach of Prairie Evaporite, unclipped
- T_CLDLK_CHECK_I_CPTS.DAT - Elevation of top of Cold Lake Formation derived by adding isopach grid to elevation grid of base of Upper Lotsberg Salt
- T_CLDLK_D_CPTS.DAT - Depth to top of Cold Lake Salt
- T_CLDLK_E_CPTS.DAT - Elevation of top of Cold Lake Salt
- T_LLOTS_CHECK_I_CPTS.DAT - Elevation of top of Lotsberg Formation derived by adding isopach grid to elevation grid of base of Lotsberg Formation
- T_LOTS_CHECK_I_CPTS.DAT - Elevation of top of Lower Lotsberg Salt derived by adding isopach grid to elevation grid of base of Lotsberg Formation
- T_PREVAP_D_CPTS.DAT - Depth to top of Prairie Evaporite, clipped to PREVAP_40_100_CP
- T_PREVAP_D_TOT_CPTS.DAT - Depth to top of Prairie Evaporite, unclipped
- T_PREVAP_E_CPTS.DAT - Elevation of top of Prairie Evaporite, clipped to PREVAP_40_100_CP
- T_PREVAP_E_TOT_CPTS.DAT - Elevation of Prairie Evaporite unclipped
- T_ULOTS_CHECK_I_CPTS.DAT - elevation of top of Upper Lotsberg Salt derived by adding isopach grid to elevation grid of base of Upper Lotsberg Salt
- T_ULOTS_D_CPTS.DAT - Depth to Upper Lotsberg Salt
- T_ULOTS_E_CPTS.DAT - Elevation of top of Upper Lotsberg Salt
- ULOTS_I_CPTS.DAT - Isopach of Upper Lotsberg Salt