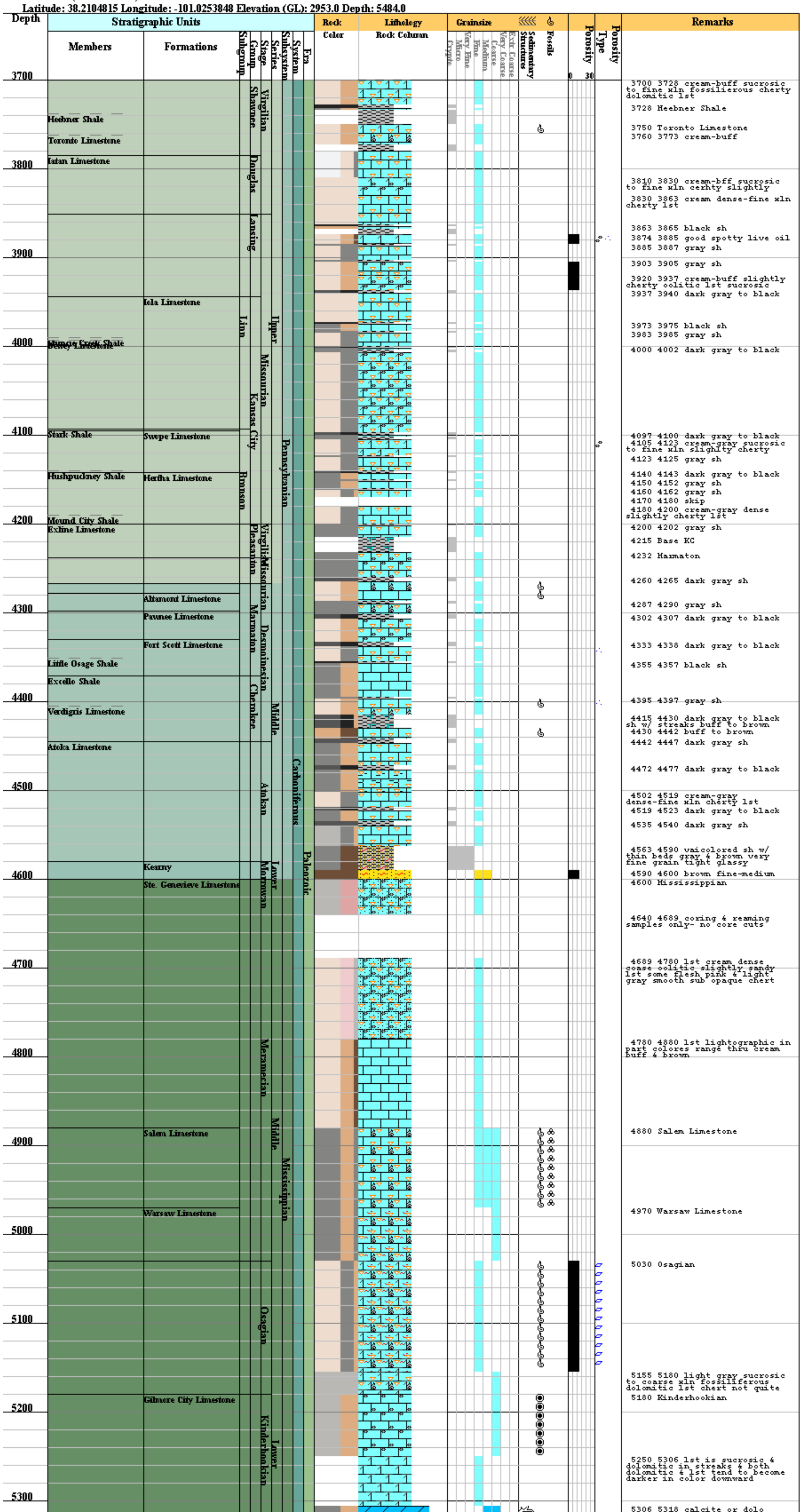
MCHUGH 1 (15-055-10154) T: 21S R: 34W S: 23
Latitude: 38.2104815 Longitude: -101.0253848 Elevation (GL): 2953.0 Depth: 5484.0



3700 3728 cream-buff sucrosic to fine xln fossiliferous cherty dolomitic lst
3728 Heebner Shale
3750 Toronto Limestone
3760 3773 cream-buff
3810 3830 cream-bff sucrosic to fine xln cerhty slightly
3830 3863 cream dense-fine xln cherty lst
3863 3865 black sh
3874 3885 good spotty live oil
3885 3887 gray sh
3903 3905 gray sh
3920 3937 cream-buff slightly cherty oolitic lst sucrosic
3937 3940 dark gray to black
3973 3975 black sh
3983 3985 gray sh
4000 4002 dark gray to black
4097 4100 dark gray to black
4105 4123 cream-gray sucrosic to fine xln slighlty cherty
4123 4125 gray sh
4140 4143 dark gray to black
4150 4152 gray sh
4160 4162 gray sh
4170 4180 skip
4180 4200 cream-gray dense slightly cherty lst
4200 4202 gray sh
4215 Base KC
4232 Harmaton
4260 4265 dark gray sh
4287 4290 gray sh
4302 4307 dark gray to black
4333 4338 dark gray to black
4355 4357 black sh
4395 4397 gray sh
4415 4430 dark gray to black sh w/ streaks buff to brown
4430 4442 buff to brown
4442 4447 dark gray sh
4472 4477 dark gray to black
4502 4519 cream-gray dense-fine xln cherty lst
4519 4523 dark gray to black
4535 4540 dark gray sh
4563 4590 vaicolored sh w/ thin beds gray & brown very fine grain tight glassy
4590 4600 brown fine-medium
4600 Mississippian
4640 4689 coring & reaming samples only- no core cuts
4689 4780 lst cream dense coase oolitic slightly sandy lst some flesh pink & light gray smooth sub opaque chert
4780 4880 lst lightographic in part colores range thru cream buff & brown
4880 Salem Limestone
4970 Warsaw Limestone
5030 Osagian
5155 5180 light gray sucrosic to coarse xln fossiliferous dolomitic lst chert not quite
5180 Kinderhookian
5250 5306 lst is sucrosic & dolomitic in streaks & both dolomitic & lst tend to become darker in color downward
5306 5318 calcite or dolo
5318 Viola Limestone
5400 5437 tan bufff & light brown fine-medium xln dolo w/ white cream & light gray smooth opaque to subopaque chert Echinoderm stems & stem molds
5437 5440 green sandy sh
5440 [illegible] pink & brown coarse xln slightly sandy dolo vuggy porosity & tripolitic in part chert is oolitic in part

Primary Rock Lithology

- Shale
- Sand, Sandstone
- Limestone
- Dolomite

Secondary Rock Lithology

- Shaly, shale
- Sandy, sand
- Cherty, chert
- Glauconite, Glauconitic
- oolitic
- fossiliferous
- Calcareous
- Dolomitic

Fossils

- Fresh Water
- Brackish Water
- Marine
- Few
- Many
- Broken
- – Macrofossils
- – Echinoderms
- – Crinoids
- – Foraminifera

Sedimentary Structure Symbols

Deformational Structures

- Vein, sedimentary dyke

Porosity Type

- – Intercrystalline
- – Vuggy
- – Pinpoint
- – Oolitic