

Location: 132° 03' 65° 27' N



Top of measured section

LOWER CRETACEOUS

Shale, medium to very dark gray, fissile to platy 530 ✓

Covered 350 ✓

Shale, dark gray, fissile to platy 300

Covered 430 ✓

DEVONIAN

Shale, dark gray to black, fissile to platy, with lenses of siltstone, sandy, streaked light and dark gray 200

Shale, dark gray to black, thin ironstone concretionary zones in upper part, fissile, hard 2325

Limestone, (micrite) dark brownish-gray, medium to thick-bedded, tight 50

Limestone (dismicrite) brownish-gray, slightly argillaceous, medium to thick-bedded, tight 170

Limestone, dark gray, argillaceous, medium-bedded, tight 180

Limestone (micrite) brownish-gray to black, argillaceous, fossiliferous, pyritic, tight 110

Mudstone, very dark gray to brownish-black, fossiliferous, flaggy to thin-bedded 120

Siltstone, very calcareous, gray, flaggy to thin-bedded with a single two-foot bed of limestone (dismicrite) 100

Limestone (dismicrite), brownish-gray to black with light gray streaks, thin-bedded, microcrystalline dolomite in patches and streaks, tight 50

Limestone (skeletal micrite), brownish-black with light gray streaks, massive to medium-bedded, becomes thin-bedded toward base where some incompletely dolomitized, fossiliferous, tight except for patchy dolomitized zones. 200 ✓

PRE-DEVONIAN (?)

Covered 300 ✓

Dolomite light to medium-gray, very fine to microcrystalline, tight 90

Base of measured section

Location: 133° 22' W, 65° 30' N

Top of measured section

UPPER DEVONIAN (?)

Shale, silty 130

Siltstone, sandy, dark gray, ferruginous, laminated to platy, and interbedded sandstone, silty, brownish-gray, very fine-grained, subangular, quartzose, siliceous, ferruginous, hard, platy to thin-bedded, resistant, platy talus, tight 430

Shale, black, soft, partly concretionary, fissile, recessive 550

Fault

MIDDLE DEVONIAN

Argillite, calcareous, dark gray, hard, tough, pyritic, fossiliferous, semi-conchoided fracture, very resistant 100

Limestone, (micrite), 20% skeletal, brownish-gray to black, patches secondary calcite, fossiliferous, thin to thick-bedded, resistant, tight and interbedded siltstone, calcareous, platy to fissile 500

Covered 1445 L

Limestone (micrite), sparitic, 20% skeletal (crinoids) dark gray to black, slightly dolomitic, thin to thick-bedded, very resistant, tight 345

Dolomite, gray with black patches, microcrystalline, ostracodal, platy to medium-bedded, resistant, tight and minor limestone, (micrite) dark gray to black, minor skeletals, platy to medium-bedded, resistant, tight 360

Dolomite, micritic, gray, micro-crystalline, sparitic, thin to thick-bedded, very resistant, tight and limestone (micrite), dark brownish-gray, minor skeletals, tight 100

Limestone (pellet calcisiltite), sparitic, brownish-gray, partly skeletal, tightly packed, platy to thin-bedded, tight, and dolomite, microcrystalline banded gray and dark brownish-gray, argillaceous, platy to thin-bedded 250

LOWER DEVONIAN

Dolomite, light gray to light gray-brown, microcrystalline, grades to dolomitic limestone, some argillaceous to silty, some dark gray chert blebs, platy to medium-bedded interbedded with claystone, dark gray to black, platy to flaggy, resistant 260

SILURIAN-ORDOVICIAN

Dolomite and limestone, not described (snow covered in part) 5634

CAMBRIAN

Orthoquartzite, white to light olive-gray, fine to medium-grained, ferruginous, thin to medium-bedded, medium resistant, tight

150

Argillite, sericitic, gray to green and maroon, fissile partings, slightly recessive, lenticular beds of quartzite, very light greenish-gray and pale lavender, silt to fine-grained, some sericitic laminations, some dolomitic, platy to thin-bedded

300

Quartzite, as above interbedded in upper part with slate, maroon and green, hard, brittle, waxy, recessive and a single bed of siltstone, dolomitic, black, resistant

150

Argillite and quartzites as above

85

Base of measured section

Location: 138° 50' W, 65° 35' N

Top of measured section

DEVONIAN

Shale, black

30 *A*

Limestone, dark gray to black, some with brown cast, interbedded skeletal and micrite, skeletal generally with mixed sparite and micrite matrix, tightly packed, some fossils silica-replaced, generally medium to thick-bedded, tight

450

Siltstone, very calcareous, black, thin-bedded

10

Limestone, (micrite and dismicrite) brownish-gray, in part argillaceous and pyritic, tight, grades downward to dolomitic limestone with scattered pinpoint vugs and intercrystalline porosity, generally thin-bedded, cyclic

290

Dolomite, gray to brownish-gray, microcrystalline, flaggy to medium-bedded, very poor intergranular porosity, minor dolomitic limestone

65

Limestone, (micrite) dolomitic, gray to gray-brown, mottled to banded, dolomitic portions are calcite-cemented, tight

110

Dolomite, calcareous, brownish-gray, microcrystalline with interlocking calcite, slightly argillaceous, tight

105

Covered

460 *E*

<u>Limestone</u> (micrite) light gray, siliceous, some skeletal, tight	60
<u>Dolomite</u> , brownish gray at top to light gray at base, microcrystalline, some relic skeletals, with minor skeletal <u>micrite</u> , tight	520
<u>LOWER DEVONIAN-SILURIAN</u>	
Covered	1330 <i>E</i>
<u>SILURIAN</u> (?)	
<u>Limestone</u> , light to dark gray-brown, sparitic, calcarenous, massive to thick-bedded, tight	725
<u>Limestone</u> , medium to very dark gray, micro to medium crystalline, partly argillaceous, platy to medium-bedded, recessive, tight	605
<u>Limestone</u> , dark gray, microcrystalline, veined, cyclic thin-bedded recessive and massive resistant bedding	550
<u>CAMBRO-ORDOVICIAN</u>	
<u>Shale</u> , very dark gray, highly calcareous, micaceous, platy, brittle with $\frac{1}{4}$ " beds of limestone	35
<u>Dolomite</u> , medium to light gray, very fine to medium crystalline, generally very poor intercrystalline porosity, occasionally vuggy	2950
Base of measured section	

Location: 133° 50' W, 65° 38' N

Top of measured section

CRETACEOUS

<u>Siltstone</u> , brownish-gray, platy, fissile	190 <i>A</i>
Covered	235 <i>E</i>
<u>Siltstone</u> , brownish-gray weathers rust-brown to dark brownish-gray platy, fissile	150
Covered	1800 <i>E</i>
<u>Shale</u> , silty, gray, soft and interbedded <u>siltstone</u>	185

PRE-CRETACEOUS

<u>Conglomerate</u> , grit and pebble	50
<u>Sandstone</u> , gray, thin-bedded to massive	40

<u>Limestone</u> (micrite) siliceous, olive-gray, argillaceous, pyritic, fossiliferous, thin-bedded, tight	245
<u>Limestone</u> (micrite) blue-gray, mottled, siliceous, slightly silty, medium-bedded to massive, tight	355
<u>Limestone</u> (micrite) dolomitic, brownish-gray, mottled, medium-bedded to massive, tight	75
Covered	120 £
<u>Limestone</u> , very argillaceous, medium to dark gray, thin-bedded, tight	40
<u>Shale</u> , gray, calcareous, fossiliferous, fissile, hard, interbedded with <u>limestone</u> , very argillaceous, gray, thin-bedded, tight	65
<u>Shale</u> , black, fissile	50

Base of measured section

Location: 137° 40' W, 65° 37' N

CARBONIFEROUS (?) AND UPPER DEVONIAN (?)

Poorly exposed (assumed to be shales)	1700 £
Poorly exposed (assumed siltstones and sandstones)	765 £
Poorly exposed (assumed shale, black, pyritic)	1190 £

MIDDLE DEVONIAN

<u>Limestone</u> , (micrite) dark gray to black, minor skeletal zones and with occasional crinoidal and coralline zones, thin-bedded at top becoming thick-bedded to massive. Minor zones of chert-replaced corals and chert nodules	600
<u>Limestone</u> , gray, tan and brownish-gray, silty or argillaceous generally thin-bedded with thin interbeds of black calcareous shale	950
<u>Limestone</u> , gray and dark-gray to black, microcrystalline, fossiliferous, thick-bedded, tight	360
<u>Dolomite</u> , gray-brown, microcrystalline, relic skeletals, massive, tight	100
<u>Limestone</u> , brownish-gray, micritic, skeletal, becomes slightly argillaceous at base, tight	150
<u>Dolomite</u> , brownish gray, microcrystalline, some skeletal, tight	80

<u>Shale</u>	150
<u>Siltstone</u> , gray, fissile to platy, cross-bedded and banded	40
<u>Shale</u> , black, soft	35
<u>Sandstone</u> , <u>siltstone</u> , as above and <u>shale</u> , as above, interbedded sandstone light gray to buff, siliceous, very fine-grained, platy to flaggy, tight	210
Covered	305 E
<u>Shale</u> , <u>siltstone</u> and <u>sandstone</u> interbedded, more arenaceous in lower part, ripple-marked	200
<u>Shale</u> with interbedded <u>siltstone</u> and very fine-grained <u>sandstone</u>	270
<u>Sandstone</u> , gray, fine-grained, well-sorted, sucrosic, with limonite specks, some poor porosity	50
<u>Shale</u> , with interbedded <u>siltstone</u> and minor <u>sandstone</u>	145
<u>Shale</u> , black, soft, with some stringers of <u>siltstone</u>	340
<u>Siltstone</u> , sandy, dark-gray, hard, with trilobite impressions	35
<u>Shale</u> , black, fissile, soft	280
<u>Sandstone</u> , fine-grained, siliceous, limonite specks, platy to flaggy, tight	50
<u>Siltstone</u> , dark to light gray, banded	80
<u>Shale</u> , black, fissile, hard, silty streaks	725

Base of measured section

Location: $136^{\circ} 22' W$, $65^{\circ} 38' N$

Poorly exposed shale and siltstone

not measured

UPPER DEVONIAN (?)

Shale, brown and black

650

Sandstone, pebble conglomerate, dark gray to rust-brown, hard, tight. Thin interbeds of brown-weathering shale at base

245

Shale, dark gray to brownish gray, silty at top. Thin interbedded siltstone, sandstone and shale at base

185

Shale, dark gray, brown and black, platy

1420

Siltstone and shale, dark gray, fissile

405

Shale, dark gray, fissile, concretionary, becomes black and calcareous near base

565

MIDDLE DEVONIAN

Limestone (micrite) dark gray to black, argillaceous, minor siliceous limestone and chert bands, thin-bedded to massive

120

Shale, black with alternating thin siliceous black limestone beds

140

Shale, brown and black calcareous with interbeds of black calcareous claystone, hard

1380

Shale, black, very calcareous, fissile, carbonaceous

90

LOWER DEVONIAN (?) AND SILURIAN (?)

Covered

3135 E

ORDOVICIAN (?)

Limestone (dismicrite) gray to brownish-black, microcrystalline, silty, partly skeletal

90

Dolomite, light to dark gray, fine to medium crystalline, intra-clastic, tight to poor intercrystalline porosity, occasionally vuggy

410 E

Base of section

Location: 139° 23' W, 65° 43' N

MIDDLE DEVONIAN

Poorly exposed to covered section believed to be principally limestone

1050 E

SILURIAN

Covered, believed to be shale

250 E

Shale, black, hard, calcareous, fissile, graptolitic, recessive

85

Poorly exposed or covered, believed shales

500 E

ORDOVICIAN-CAMBRIAN

Shale, black, calcareous, some silty grading to siltstone, laminated and locally grading to argillaceous limestone, cherty in lower part and with thin interbedded chert at base

315

Shale, black, calcareous, silty, fissile

90

Dolomite, light gray to dark brownish-gray, finely crystalline with varying amounts calcite infilling, locally grades to dolomitic limestone, scattered silty and cherty zones, generally very poor intercrystalline porosity, some vuggy

3840

Breccia, dark brownish-gray, angular microcrystalline dolomite fragments incompletely cemented with calcite, vuggy, slight to no intercrystalline porosity

20

Dolomite, as above the breccia

80

Conglomerate, mottled olive and gray, pebbles of dolomiticrite in silty, ferruginous, finely crystalline dolomite matrix, cherty tight and chert

35

Dolomite, light to dark gray, fine to microcrystalline, some sparry calcite, laminated toward the base with minor siltstone, fine-grained sandstone and chert interbeds, locally vuggy, generally tight

530

CAMBRIAN

Argillite, maroon, light reddish-gray and gray-green, calcareous, fissile to thin-bedded with minor interbedded pink quartzite

500 ✓

Base of measured section

Location: $138^{\circ} 45' W$, $65^{\circ} 44' N$

UPPER CRETACEOUS

Poorly exposed clastics

unmeasured

Sandstone, light gray, quartzose, fine-grained, subrounded, hard, flaggy, some poor porosity

70 ✓

Siltstone, brownish-black, sandy, thin-bedded

325

Sandstone, light brownish-gray, fine-grained, subrounded, quartzose, clay and siliceous matrix, tight, with thin siltstone interbeds

60

LOWER CRETACEOUS

Covered

465 ✓

Sandstone, dark brown, fine-grained, sub-angular, quartzose with clay and siliceous matrix, tight

125

Covered

4430 ✓

MISSISSIPPIAN

Limestone, light brownish-gray, skeletal, massive, silty in upper part

280

Siltstone, brownish-black to black, very calcareous, thin-bedded, slightly siliceous, fossil fragments

70

Limestone, gray to brownish-gray, skeletal, silty, very siliceous zones and thin interbeds and lenses of black chert

190

Dolomite, brownish-gray, microcrystalline to very finely granular, silty, skeletal, thin chert beds in upper part, tight

180

UPPER DEVONIAN

Siltstone, dark gray to black, calcareous, medium-bedded

315

Covered

865 \angle

Limestone, (micrite) dark gray to black, thin-bedded, sandy at top grading downward to silty and argillaceous at base. Thin black chert lenses. Tight

275

Covered

400 \angle

Chert, black, argillaceous, fissile to flaggy

115

Covered

140 \angle

Shale, dark gray to black, fissile, slaty and cherty at top

350

MIDDLE DEVONIAN

Limestone, dark brownish-gray, skeletal, some corraline, micritic, tight

140

Limestone, (micrite), dark brownish-gray, dolomitic at top grading downwards to silty and with thin beds of chert, tight

190

Limestone, dark brownish-gray, massive with thin black chert beds in upper 300 feet. Locally skeletal and corraline

1985

Base of section

Location: 135° 40' W, 65° 45' N

Poorly exposed soft clastics

not measured

CARBONIFEROUS

Siltstone, streaked gray and dark gray, calcareous, moderately soft, friable, thin-bedded

120

Covered

65 £

Siltstone, light gray to gray-brown, calcareous, tough

55

Covered

135 £

Siltstone, as above

100

Covered

890 £

Chert, grading to siliceous shale and siltstone, light to very dark gray, flaggy to medium-bedded

50

Limestone, light brownish-gray, skeletal, argillaceous, glauconitic, fossiliferous, massive to thick-bedded, tight

65

Siltstone, dark gray, very calcareous, fossiliferous, thin to medium-bedded, resistant with minor interbedded dark gray calcareous shale

105

Limestone, light brownish-gray, skeletal, sparitic, slightly glauconitic

3

Shale, brown, silty, platy, recessive

290

Limestone, light gray-brown, skeletal, sparitic, very glauconitic, floating medium to coarse quartz and chert grains, massive, tight

65

Covered

290 £

Sandstone, olive-gray to light gray-brown, poorly sorted silty to granule, tight

110

Covered

365

Shale, brownish-gray to black, moderately soft

160

Limestone, (micrite) dark gray, very silty grades to calcareous siltstone

30

Covered

155 £

UPPER DEVONIAN (?)

<u>Sandstone</u> , light gray to rusty brown, very fine-grained to pebbly, poorly sorted, ferruginous, argillaceous, some carbonaceous streaks, friable with difficulty, flaggy to thick-bedded, minor poor to fair porosity.	585
Covered	1200 £
<u>Sandstone</u> , light gray to buff, fine-grained, well-sorted, subangular, quartzose, slightly friable, poor to fair porosity	130
Covered	480 £
<u>Sandstone</u> , light gray to buff, quartzose, fine-grained, well-sorted, medium friable, thick-bedded to massive, poor to good porosity	315
Covered (may be fault complicated)	1880 £
<u>Sandstone</u> , dark gray, silty, quartzose, very fine-grained, carbonaceous fragments, medium friable, tight	310
<u>Shale</u> , dark brownish-gray, moderately hard, brittle with minor <u>siltstone</u> interbeds	210
<u>Sandstone</u> , gray, iron-stained, very fine-grained, quartzose, carbonaceous fragments, platy to medium-bedded, mostly tight with minor very poor porosity	180
Covered	910 £
<u>Siltstone</u> , dark brownish-gray, sandy, ironstone concretions, platy to flaggy	300
Covered	170 £
<u>Sandstone</u> , brownish-gray, silty, very fine-grained, ironstone concretions, slightly friable, resistant, tight	440
Base of measured section	

Location: $136^{\circ} 30' W$, $65^{\circ} 50' N$

Top of measured section

CARBONIFEROUS

<u>Shale</u> , gray, very calcareous, thin-bedded to laminar, hard, interbedded with thin <u>limestone</u> and calcareous <u>siltstone</u>	230
Fault	
<u>Shale</u> , gray-brown, soft, calcareous, silty partings	350

<u>Limestone</u> , very silty to argillaceous, gray, lenticular, grades to calcareous <u>siltstone</u> interbeds, fossiliferous	70
<u>Claystone</u> and <u>siltstone</u> , very calcareous, gray, massive	670
<u>Shale</u> , brownish-gray, fissile and interbedded silty <u>limestone</u>	60
Covered	80
<u>Siltstone</u> and <u>shale</u> interbedded, very calcareous, dark gray, platy to medium-bedded	55
<u>Limestone</u> , calcarenite, skeletal, very sandy, pyritic, sparsely glauconitic, tight	35
Covered	700 E
<u>Siltstone</u> , brownish-gray, very calcareous, hard, thin-bedded	115
Covered	95
<u>Shale</u> , dark gray to rust-brown and interbedded <u>siltstone</u> , gray, calcareous, hard	815
<u>Limestone</u> , gray, skeletal, calcarenite, floating black chert pebbles, thin shale breaks, platy to medium-bedded, grading downward to <u>sandstone</u> , gray, very calcareous, moderately sorted, chert grains and skeletal material, with thin interbedded <u>chert</u>	95
Covered, believed to be interbedded <u>shale</u> and <u>siltstone</u>	420 E
Base of measured section	

Location: $134^{\circ} 22' W$, $65^{\circ} 51' N$

Overlying section poorly exposed

UPPER DEVONIAN

<u>Shale</u> , olive-gray, fissile to platy, hard	40 E
<u>Shale</u> , black, fissile, interbedded with siltstone, gray to rust brown, platy, and <u>sandstone</u> , gray, very fine-grained, silty, tight	300
<u>Shale</u> , as above	160
<u>Siltstone</u> , as above	170
<u>Siltstone</u> , banded dark and light-gray, with minor interbedded <u>sandstone</u> , very fine-grained, tight	195

Covered	560	E
<u>Sandstone</u> , light brown, quartzose, fine-grained, well-sorted, friable, porous	65	
Covered	205	E
<u>Sandstone</u> , buff to brown, quartzose, well-sorted, sub-rounded, limonitic interbedded with coarse grained <u>sandstone</u> and granule <u>conglomerate</u> , porous	70	
Covered	440	E
<u>Sandstone</u> , buff, medium to coarse-grained, poorly sorted, gritty, silty, limonitic with <u>conglomerate</u> interbeds	80	
Covered	150	E
<u>CARBONIFEROUS</u>		
<u>Siltstone</u> , light brown with light gray streaks, floating black chert grit, carbonaceous plant remains, calcareous; and <u>sandstone</u> , gray, calcareous, granules and pebbles, subrounded, black chert grains, some silty matrix, tight	85	
Covered	60	E
<u>Sandstone</u> , light gray, medium-grained to grit, poorly sorted, calcareous matrix to 50% fossiliferous; and <u>conglomerate</u> , black chert and grit pebbles, rounded to sub-rounded, in part silty, calcareous matrix	75	
Covered interval with faulting which repeats section	310	E
<u>Limestone</u> , brownish-gray, very argillaceous to silty, platy to thin-bedded, tight	65	
Covered	185	E
<u>Sandstone</u> , light gray, very fine to medium-grained, 20% black chert, calcareous cement, tight; and thin <u>limestone</u> interbeds, sandy, silty, tight	95	
Covered	150	E
<u>Limestone</u> , light brownish-gray, very argillaceous to silty, thin-bedded to platy, siliceous in part with conchoidal fracture; and thin interbeds of calcareous <u>siltstone</u>	145	
Covered	470	E
<u>Limestone</u> , brownish-gray, very silty to very argillaceous, flaggy to massive with soft silty interbeds	145	

<u>Shale</u> , black, hard, platy with minor interbedded <u>sandstone</u> , as above	85
<u>Siltstone</u> , brownish-gray, platy to thin-bedded	245
<u>Shale</u> , black, fissile, ironstone beds	430
<u>Shale</u> , brownish-black, fissile to platy with minor <u>siltstone</u> beds, hard	875
<u>Shale</u> , black, weathers off-white to buff, fissile to platy, more recessive than above. May include unrecognized faulting.	1720 ↗
<u>MIDDLE DEVONIAN</u>	
<u>Shale</u> , gray to black, calcareous, becoming generally harder and more resistant toward the base. Contains minor interbeds of dark blue-gray skeletal <u>limestone</u>	1415
<u>Limestone</u> , (dismicrite) brownish-gray, massive, tight	65
<u>LOWER DEVONIAN-SILURIAN</u>	
<u>Shale</u> , medium to dark gray, very calcareous with interbeds of <u>siltstone</u> and <u>limestone</u> , (micrite) argillaceous	425
<u>SILURIAN</u>	
<u>Shale</u> , brownish-black, calcareous, fissile to platy grading to <u>claystone</u> , black, very calcareous, grading to <u>limestone</u> (micrite)	130
<u>Shale</u> , as above with interbedded <u>dolomite</u> , dark gray to brownish-black, very finely microcrystalline, platy to medium-bedded fossiliferous, quartz-filled vugs	310
Covered, may include unrecognized faulting	625 ↗
<u>Dolomite</u> , light gray, finely crystalline, no intercrystalline porosity, some vuggy porosity	70
<u>Dolomite</u> , greyish-brown, micro to medium-crystalline, some slightly argillaceous, silty, numerous cherty zones, fossiliferous near base	800
Base of measured section	
Location: 136° 30' W, 66° 03' N	
<u>UPPER CRETACEOUS</u>	
Top of measured section	
<u>Sandstone</u> , poorly sorted to grit size and pebble conglomerate	50 ↗

LOWER CRETACEOUS (?) - CARBONIFEROUS (?)

Poorly exposed or covered interval, believed to be siltstones and
silty sandstones

505 *E*

Shale, dark gray to black, concretionary, soft with thin occasional
concretionary gray claystone bed, fossiliferous

125 *E*

Covered, probably shale as above

325 *E*

Conglomerate, grit to pebble, sandy matrix, very poorly sorted quartz,
jasper and chert, friable to soft and sandstone, gray to brown,
quartzose, medium to very fine-grained, soft to friable, good
porosity

280

Covered

110 *E*

Sandstone, gray, quartzose, coarse to medium-grained, variable sorting,
subangular to sub-rounded, porous

35

Limestone, buff to light gray, sandy, skeletal, sparitic, calcarenite,
poorly sorted, moderately packed, glauconitic, fossiliferous,
limonite-stained, tight

30

Covered

1250 *E*

MIDDLE DEVONIAN

Limestone, dark-green, finely crystalline with thin interbeds of silty
limestone grading to calcareous claystone, fossiliferous. Faulted

230 *E*

Shale, brownish-gray, very calcareous with thin limestone interbeds,
fossiliferous

70

Covered

190 *E*

Limestone, black to brownish-gray, fossiliferous, platy to thick-
bedded with interbedded shale at top, black, carbonaceous, fissile
to platy, fossiliferous. Possible structural-stratigraphic
complications within this unit.

90

Base of measured section.

Location: 136° 40' W, 66° 09' N

Top of measured section

CRETACEOUS

Sandstone, dark-brown, fine-grained, fair sorting, quartz 50%, black
chert 50%, slightly argillaceous grading downward to conglomerate
dark brown, poorly sorted, fine sandy matrix, granule to pebble,
abundant black chert, slightly argillaceous, porous

100

<u>Conglomerate</u> , at top grading downward to <u>siltstone</u> at base.	
<u>Conglomerate</u> , pebbly, silt and calcareous matrix, thin-bedded; <u>Sandstone</u> , light gray to brown, fine-grained, poorly sorted, gritty, silty, calcareous cement, quartz with some black chert, tight and <u>siltstone</u> , banded buff and light brown, slightly calcareous, ferruginous, soft, platy to flaggy	70
<u>Limestone</u> , dark gray-brown, argillaceous, partly cherty, hard, fossil hash, thick-bedded, petroliferous in part, tight, interbedded with <u>shale</u> , black, fissile	250
Fault	
<u>Limestone</u> , very argillaceous to silty, buff to brownish-gray, fossiliferous, thin to thick-bedded, tight, interbedded with <u>shale</u> , black, fissile to platy, and <u>siltstone</u> , tan, calcareous, ferruginous	240
Covered, includes a fault which probably repeats the section	460 £
<u>Siltstone</u> , dark gray, very calcareous, black, <u>shale</u> , laminae	160
<u>Shale</u> , very dark gray to black, slightly calcareous, pyritic, brittle, goniatites, flattened concretions in upper part	310
Location: 139° 18' W, 66° 15' N	
<u>LOWER CRETACEOUS (?)</u>	
Poorly exposed or covered, probably shales	1885
<u>Siltstone</u> , brown, siliceous, flecks of iron oxide, slightly resistant	55
<u>UPPER DEVONIAN</u>	
Covered	1300 £
<u>Shale</u> , black, with black chert beds, fissile	40
Covered	250 £
<u>MIDDLE DEVONIAN</u>	
<u>Limestone</u> (micrite), dark gray, fossiliferous, black, chert nodules, tight	70
<u>Limestone</u> , (dismicrite), brownish-gray, fossiliferous, massive to flaggy, tight	325
<u>Limestone</u> , (micrite), gray to dark gray, massive to flaggy with a 10-foot zone of biostromal reef	240
<u>Limestone</u> , black to blue-gray, dolomitic, cherty, calcite-filled fractures and vugs, crinoid fragments, flaggy to thin-bedded, tight	240

<u>Limestone</u> , (micrite), dark gray-brown to black, fossiliferous, massive, tight	340
Fault	
<u>Limestone</u> , as above	55
<u>Limestone</u> , (micrite) gray, minor sparite, dolomitic, 10% skeletals, tight. May include a fault	110 <i>E</i>
<u>Dolomite</u> , gray, microcrystalline, veinlets of calcite, platy to medium-bedded, tight	60
<u>Dolomite</u> , dark gray to black, microcrystalline, argillaceous, thin-bedded, tight	325
<u>Dolomite</u> , light brownish-gray, finely crystalline, euhedral to sub-euhedral, fair intercrystalline porosity, calcite-veined	65
<u>Limestone</u> , (dismicrite) black, dolomitic, grading to <u>dolomite</u> , gray medium-crystalline with secondary calcite infilling, medium-bedded to flaggy, tight	75
<u>Limestone</u> , (dismicrite) light brownish-gray to very dark-gray, flaggy to thick-bedded, with some <u>shale</u> interbeds, dolomitic, siliceous in part, heavy vertical fracturing	40
<u>PRE-DEVONIAN</u>	
<u>Limestone</u> , (micrite), dark brownish-gray, very fine dolomite crystals in streaks and patches, calcite-veined, tight	70
Covered	240 <i>E</i>
<u>Dolomite breccia</u> , intraclastic, micro to medium-crystalline, mottled olive-gray and dark-gray, medium-bedded, tight	40
<u>Dolomite</u> , gray, finely crystalline, relics of intraclasts and skeletals, tight, and <u>Dolomite</u> , light gray, medium-crystalline, rhombic, partially calcite infilled, vuggy, patchy intercrystalline porosity	250
<u>Dolomite</u> , dark gray, medium and crystalline thin to medium-bedded, vuggy, intercrystalline porosity infilled, and <u>limestone</u> , dolomitic, microcrystalline	200
<u>Dolomite</u> , very light gray to dark gray, fine to medium-crystalline, intergrown, intraclastic, tight	220 <i>E</i>
Base of measured section	

Location: 136° 12' W, 66° 17' N

UPPER DEVONIAN (?) - SILURIAN (?)

Covered section	unmeasured
Poorly exposed section believed to be shales	100 £
<u>Shale</u> , brownish-gray to black, ferruginous, platy, some siliceous, laminated	1010
<u>Shale</u> , black, siliceous, very hard, platy to fissile	330
<u>Shale</u> , black as above with minor interbedded black <u>chert</u>	30
<u>Shale</u> , grayish-brown, slightly to non-calcareous, fissile to platy	1330
<u>Shale</u> , black, siliceous with cherty streaks, ferruginous, platy, resistant	155
Covered	190 £
<u>Shale</u> , as above	240
<u>SILURIAN (?) - ORDOVICIAN (?)</u>	
<u>Shale</u> , dark gray to black, laminated, non-calcareous, recessive	520
<u>Chert</u> , black, bedded	350
<u>Breccia</u> , chert with fragments of very finely crystalline <u>dolomite</u> and <u>silt</u> laminae	25
<u>Dolomite</u> , dark gray, fine to medium crystalline, interlocked, siliceous bands, tight	255
<u>Breccia</u> , mottled gray to black, <u>limestone</u> grit in black calcareous <u>claystone</u> , matrix	15
<u>Chert</u> , black, some argillaceous and with silt laminae, thin-bedded	1750
<u>Shale</u> and <u>Claystone</u> , black, locally silty, calcareous and siliceous grading to argillaceous black <u>chert</u>	455
<u>CAMERO-ORDOVICIAN</u>	
<u>Shale</u> , dark gray, calcareous, platy, recessive	70
<u>Claystone</u> , dark gray, calcareous	1470
<u>Siltstone</u> , light to dark gray, calcareous, thin to medium-bedded, interbedded with varying amounts of <u>claystone</u> and <u>shale</u> , dark blue gray, calcareous and <u>limestone</u> (micrite) black, argillaceous to silty; and varying percentages of interbedded black cherts; locally brecciated and veined with quartz or calcite	5130

Base of measured section

Location: 135° 40' W, 66° 39' N

Top of measured section

UPPER DEVONIAN

Shale, medium to dark gray, some greenish and some brownish cast, platy, resistant and interbedded siltstone, gray to gray-brown, platy, resistant

1920

Shale, medium to dark gray, thin-bedded, soft, carbonaceous in lower part and becoming increasingly hard to very hard at base

1975

SILURIAN

Dolomite, grayish-yellow to light brown, crypto to microcrystalline, pinpoint sparite-filled vugs interbedded with shale, black, siliceous to cherty, laminated, flaggy and breccia, chert

165

Shale, black, calcareous, calcite veinlets, platy

400

Covered

2120 ↗

Sandstone, orthoquartzite, gray, very fine to fine-grained, hard, tight

55

Sandstone, argillaceous, dark brownish-gray, fine-grained, angular, thin-bedded, tight

40

Sandstone, quartzite, light to medium gray, fine to medium-grained, thin to medium-bedded, tight

40

Siltstone, sandy, light olive-brown to olive-gray, ferruginous thin to medium-bedded; and chert quartzite, mottled light to dark gray, very fine to coarse-grained, tight

125

Limestone, argillaceous, thin to medium-bedded, tight

50

Covered

230 ↗

Shale, black, fissile

30

Breccia, salt and pepper, black chert grit and crinoid fragments with bands of white chert, pyritic, tight

20

Shale, black to brownish-black, fissile with interbeds of dolomite, dark gray, fine to microcrystalline, veined, tight

280

Conglomerate, subangular black chert and subrounded dark olive-brown siltstone pebbles in a dark gray very finely crystalline dolomite matrix

30

Chert, black, pyritic, thin-bedded, with some siliceous shale, black, fissile to platy, pyritic, hard

40

Covered

870 ↗

Fault

CAMBRO-ORDOVICIAN

Claystone, black, calcareous with some interbedded black limestone intraclastic, skeletal, sparitic and breccia, gray-black, angular grit of claystone and siltstone in matrix of euhedral calcite and quartz crystal, numerous thin fossil zones, some chert nodules

1700 ↗

Claystone, black, very calcareous, grading to limestone, (micrite) black, argillaceous with platy black chert bands, graptolite-bearing

380

Covered

1550 ↗

Interbedded shale, olive-gray to black, in part siliceous, hard, brittle, and siltstone, dark gray, calcareous at top, becoming more siliceous at base and with increasing sandstone, dark gray, siliceous, very fine-grained, ferruginous, platy to flaggy

2920

Base of measured section

Location: 139° 10' W, 66° 40' N

UPPER CRETACEOUS

Partially covered interbedded sandstone and shale

unmeasured

Sandstone, argillaceous, gray to gray-brown, medium-grained to silty, flaggy, tight

80 ↗

Shale, light to dark gray interbedded with minor gray sandstone

195

Sandstone, medium-dark gray, medium-grained, silty, some cross-bedded, flaggy, tight

365

Covered

245 ↗

Sandstone, gray-brown, fine-grained, silty, tight, grading downwards to interbedded siltstone, gray-brown, cross-bedded and shale, dark gray, platy

80

Covered

195 ↗

Sandstone, gray and brown-gray, very fine-grained, silty, tight

35

Covered

90 ↗

Siltstone, sandy, olive-gray, very fine-grained, underlain by shale, light brownish-gray, platy

50

Covered

365 ↗

<u>Sandstone</u> , light to medium gray-brown, silty streaks, tight	10
Covered	90 ✓
<u>Sandstone</u> , olive-gray, shaly streaks, very fine-grained, cross-bedded, flaggy, tight	125
Covered	255 ✓
<u>Sandstone</u> , banded olive and gray-brown, fine to very fine-grained, tight interbedded with <u>siltstone</u> and <u>shale</u>	40
Covered	645
<u>LOWER CRETACEOUS</u>	
<u>Siltstone</u> , dark gray, flaggy	50
Covered	495 ✓
<u>Siltstone</u> , olive-brown and laminated light and dark olive-gray, flaggy	50
Covered	100 ✓
<u>Sandstone</u> , olive gray, fine-grained, silty, tight	45
Covered	1225 ✓
<u>Siltstone</u> , light olive-gray, cross-laminated, flaggy	65
Covered	615 ✓
<u>Mudstone</u> , black, pebbly to granular	18
Covered	1015 ✓
<u>MIDDLE DEVONIAN</u>	
<u>Limestone</u> (micrite) gray to gray-brown, thin to thick-bedded, tight	210
<u>Limestone</u> (micrite) gray-brown with black chert lenses, blebs and bands	180
<u>Limestone</u> (dismicrite), brown-gray, medium to thick-bedded, some skeletal	620
<u>Limestone</u> (dismicrite), brownish gray, dolomitic, flaggy to medium-bedded, tight	290

Base of measured section.

Location: 136° 00' 15" W 67° 00' N

Top of Measured Section

LOWER CRETACEOUS

<u>Shale</u> , dark gray, fissile with minor interbedded dark gray siltstone	50
<u>Siltstone</u> , gray, slightly sandy, laminated, flaggy with minor interbedded <u>shale</u> as above	50
<u>Siltstone</u> , medium to dark gray, sandy, some banded, minor <u>shale</u> lenses, platy to flaggy, fossiliferous	305
<u>Shale</u> , dark gray, fissile with minor interbedded <u>siltstone</u> near the top	925
<u>Sandstone</u> , gray, quartzose, very fine-grained to grit, poorly sorted, subangular, ferruginous, scattered chert pebbles, fair porosity	110
<u>Siltstone</u> , sandy, dark gray, fissile	110
Unconformity	
<u>Sandstone</u> , light to dark gray, quartzose, fine-grained, ferruginous, minor chert grains, variable porosity-poor to tight, with occasional interbedded <u>siltstone</u>	365
Covered	200 <i>E</i>
<u>Sandstone</u> , mottled light and dark gray, irregularly banded, quartzose, very fine to fine-grained, angular to subangular, carbonaceous, flaggy to medium-bedded, partly fossiliferous, generally tight, a 25-foot sandy <u>siltstone</u> bed in the middle and increasingly argillaceous below that	190
Covered	100 <i>E</i>
<u>Sandstone</u> , light gray to light olive-brown, quartzose, medium-grained, subangular, partly friable, medium to thick-bedded, porous	25
<u>Siltstone</u> , sandy, dark blue-gray, flaggy	25
<u>Sandstone</u> , light gray to light gray-brown, very fine-grained, subangular, silty to argillaceous, slightly ferruginous, thin-bedded, tight	100
<u>Limestone</u> , (micrite), gray, argillaceous, in part brecciated, platy to medium-bedded, tight	30

<u>Siltstone</u> , dark gray, in part sandy, calcareous, some carbonaceous flaggy to medium-bedded, some fossiliferous	160
Unconformity	
<u>UPPER DEVONIAN</u> (?)	
<u>Shale</u> , dark gray to black, fissile to platy with interbedded ferruginous gray <u>siltstone</u>	100 £
Covered	1000 £
<u>Shale</u> , dark gray, in part silty, ferruginous, carbonized plant fragments, numerous thin orange-weathering silty concretionary bands, fissile to platy, recessive. Unit includes a fault	550 £
<u>Shale</u> , as above with lesser concretionary bands and plant fragments	940
<u>Shale</u> , dark gray to black, non-calcareous, fissile to platy, minor interbedded <u>siltstone</u> . Includes a fault	7250 £
<u>SILURIAN</u>	
<u>Shale</u> , black, slightly calcareous, brittle and flaggy at the top, large lenticular bodies of white fibrous calcite	100
<u>Shale</u> , black, calcareous, some slightly silty, abundant Monograptus, fissile, recessive	680
Covered	675 £
<u>Claystone</u> , black, calcareous, flaggy	175
<u>Shale</u> , very dark-gray to olive brownish-gray, partly dolomitic, fissile to platy	185
<u>Chert</u> , black, thin-bedded, interbedded with <u>shale</u> as above and dolomitic <u>siltstone</u>	150
<u>Chert</u> , dark gray to brownish-black, flaggy to medium-bedded, quartz and gypsum-veined	125
<u>Shale</u> , dark gray to brown, calcareous and non-calcareous, interbedded <u>siltstone</u> and laminated <u>chert</u>	105
Covered, probably shale as above	175 £
Base of measured section	

Location: 139° 20' W, 67° 02' N

Top of measured section

PERMIAN (?) - CARBONIFEROUS

Poorly exposed siltstone and shales	360	E
<u>Limestone</u> , dark gray, silty	40	
<u>Shale</u> , black, calcareous, soft, includes a thin bed of calcareous pebble <u>conglomerate</u>	100	
Covered	1265	E
<u>Limestone</u> , silty, skeletal, microcrystalline matrix, calcarenite, platy to fissile, tight, locally grades to calcareous <u>siltstone</u>	95	
<u>Siltstone</u> , calcareous, brownish-gray, calcareous, thin-bedded to platy	90	
<u>Limestone</u> , light brownish-gray, very fine calcarenite and mixed skeletal intraclast, silty, becoming sandy to pebbly, thin-bedded, tight	40	
Covered	230	E
<u>Limestone</u> , brown, mottled, intraclast, calcilutite matrix, slightly silty, tight	30	
Covered	245	
<u>Limestone</u> , brownish-gray, silty to sandy, some thin chert beds, flaggy, tight interbedded with <u>siltstone</u> , buff, calcareous, ferruginous, platy and <u>conglomerate</u> , granule, calcareous, black chert, tight	25	
Covered	110	E
<u>Limestone</u> , silty, minor skeletal, massive, tight	110	
<u>Siltstone</u> , gray-brown, calcareous, thin-bedded	180	
Talus covered, believed to be <u>conglomerates</u> , <u>siltstones</u> and <u>limestones</u>	425	E
<u>UPPER DEVONIAN (?)</u>		
Covered	800	E
Talus covered believed to be <u>shale</u> , <u>sandstone</u> and <u>siltstone</u>	850	E
<u>Conglomerate</u> , maroon, buff, light gray, grit to pebble and <u>sandstone</u> , gray, medium-grained, quartzose, tight	70	

Covered	500	£
<u>Sandstone</u> , light gray, quartzose, calcareous cement, with interbedded pebble <u>conglomerate</u>	65	
Covered	575	£
<u>Sandstone</u> , light gray, quartzose, fine-grained, pebbly, flaggy, tight and interbedded pebble conglomerate	90	
<u>Conglomerate</u> , pebbly, well-rounded to subangular chert and quartz pebbles, some ironstone cobbles, grading to <u>sandstone</u> , gray, coarse to medium-grained, tight	290	
Base of measured section		

Location: 136° 00' W 67° 07' N

Overlying section poorly exposed not measured

LOWER CRETACEOUS

Sandstone, with interbedded siltstone and shale and a basal conglomerate. Not described in detail

1920 £

UPPER DEVONIAN (?)

Shale, dark gray, laminated, partly silty, moderately hard 540

Sandstone, dark gray, siliceous, medium-grained to grit, subrounded to subangular with quartz and chert pebbles, tight 80

Shale, as above 300

Sandstone, dark gray, siliceous, medium-grained to grit, subangular to subrounded quartz and black chert, hard tough, thin to medium-bedded, resistant, blocky talus 40

Shale, as above 105

Sandstone, as above 120

Shale and sandstone, as above interbedded 165

Sandstone, as above except silty to medium-grained with streaks of coarse-grained sand and grit, tight 540

Sandstone, as above except medium-grained to grit 120

Conglomerate, siliceous, subangular to subrounded quartz and chert grit in sandstone matrix, tight 35

<u>Sandstone</u> , reddish-brown, ferruginous, very fine to coarse-grained, poorly-sorted, subangular quartz and chert, moderately hard, slightly friable, thin-bedded, tight	95
<u>Shale</u> , dark gray, laminated with minor <u>siltstone</u> , moderately hard	50
<u>Sandstone</u> , brownish-gray, very fine to coarse-grained, poorly sorted, subangular quartz and chert, ferruginous, siliceous, platy to flaggy, tight, interbedded with <u>siltstone</u> , dark brownish-gray, siliceous, slightly ferruginous and carbonaceous, platy	915
<u>Siltstone</u> , as above interbedded with <u>shale</u> , dark gray, hard, slightly silty, fissile	720
<u>Sandstone</u> , as above	425
<u>Shale</u> , as above interbedded with <u>siltstone</u> as above	310
<u>Siltstone</u> , as above	445
<u>Shale</u> , as above cyclically interbedded with <u>siltstone</u> , yellowish-brown to brownish-black, hard, tough, with abundant scattered very fine-grained quartzose <u>sandstones</u>	890
Covered, probably as above	290 £
Fault, probably repeating section	
<u>Sandstone</u> , gray, medium-grained to pebbly, subangular to subrounded quartz and chert, thin-bedded, tight	640
<u>Sandstone</u> , gray-brown, very fine to fine-grained, quartz-veined, thin-bedded, moderately resistant, tight	1030
<u>Shale</u> , gray-brown to dark gray, laminated to platy, recessive	390
<u>Sandstone</u> , dark to olive gray, silt to grit with pebbly zones at top, tight	330
<u>Shale</u> , dark gray, quartz-veined interbedded with <u>siltstone</u> , gray to brown, platy to medium-bedded	190
<u>Sandstone</u> , as above	120
<u>Siltstone</u> , gray to brown, flaggy to laminated, ironstone concretions, slight resistant, interbedded with <u>shale</u> , dark gray, laminated	640
<u>Shale</u> , gray, silty, recessive	280
<u>Shale</u> , dark gray, laminated to flaggy, recessive, cyclically interbedded with <u>siltstone</u> , gray to gray-brown, partly sandy, quartz-veined, platy and <u>sandstone</u> , gray-brown fine to medium-grained, subangular; quartzose, quartz-veined, ferruginous, flaggy to thin-bedded, tight	390
<u>Sandstone</u> , gray, silty, very fine to medium-grained quartz, and	

medium to coarse-grained chert, siliceous, quartz-veined, thin-bedded, tight interbedded with shale, dark gray to gray-brown, ironstone concretions, platy to laminated

265

Shale, as above and siltstone, medium to dark gray, platy to flaggy with some interbeds of sandstone, gray-brown with iron staining, fine-grained subangular quartz and chert, with floating coarse-grained, rounded, black chert, argillaceous, quartz-veined, flaggy to thin-bedded, not resistant, tight

325

Shale, gray and gray-brown, fissile to platy, recessive, with interbedded siltstone, brown-gray, non-calcareous, ironstone concretion, platy to flaggy, recessive to slightly resistant

200

Siltstone, gray, platy to blocky, overlying shale, dark gray, platy and fissile, recessive

50

Shale and siltstone, not described in detail. See section at 136° 00' 15" W 67° 00' N for detail

1720

Sandstone and siltstone, see section at 136° 00' 15" W 67° 00' N for detailed description of this portion of section

3085

Structural complications

SILURIAN-ORDOVICIAN

Carbonate, see section at 136° 00' 15" W 67° 00' N

150

Shale, " " " "

1300

Carbonate " " " "

950

Shale " " " "

250

Base of measured section at anticlinal axis

Location 139° 07' W 67° 08' N

Top of measured section

LOWER CRETACEOUS

Sandstone, gray, medium-grained, well cemented, thin to medium-bedded tight

225

Sandstone, brownish-gray, salt and pepper, medium-grained, rounded to subangular, quartzose, chert grains, hard, tight, interbedded with Siltstone, olive gray to brown, platy to flaggy

595

<u>Sandstone</u> , as above with occasional pebbles and <u>siltstone</u> as above, and interbedded <u>shale</u> , olive-gray, fissile to platy, moderately soft	360
<u>Conglomerate</u> , light brownish-gray, pebbles of quartz and chert rounded to sub-rounded, matrix very fine-grained to silty	85
<u>Siltstone</u> and <u>sandstone</u> , light brown, soft, bituminous, tight	110
<u>Sandstone</u> , salt and pepper, gray, medium-grained, quartzose with black chert grains, interbedded with <u>siltstone</u> , gray brown and <u>shale</u> , brown, platy to fissile	665
Covered	1170 E
Fault	
<u>Conglomerate</u> , light gray, subrounded quartz and chert pebbles, few cobbles, massive to thin-bedded, resistant tight	435
<u>PERMIAN</u>	
<u>Siltstone</u> , light brown to gray, recessive	301
<u>Siltstone</u> , olive-brown, gray and buff, partly calcareous, hard, flaggy to thin-bedded, resistant	325
Covered	275 E
<u>Siltstone</u> , as above	1070
<u>Limestone</u> , light gray, sandy, thin-bedded, fossiliferous, tight with interbeds of calcareous <u>grit</u>	150
<u>Siltstone</u> , brown to gray, partly calcareous, flaggy to thin-bedded with minor silty <u>sandstone</u> , soft, friable, recessive, tight	565
<u>Siltstone</u> , as above but resistant	65
<u>Siltstone</u> , dark gray, shaly, recessive	420
<u>Siltstone</u> , brown to light gray to buff, partly calcareous, flaggy to thin-bedded, resistant	250
<u>Siltstone</u> , olive-brown mottled with grayish-brown, slightly calcareous, thin-bedded to flaggy, with minor <u>limestone</u> , brownish-gray and thin beds of very fine-grained to grit <u>sandstone</u> , fossiliferous, tight	510
<u>Siltstone</u> , as above, resistant	125
<u>Shale</u> , dark gray, soft, recessive and <u>siltstone</u> as above	250

<u>Sandstone</u> , brown, fine-grained, siliceous, thin-bedded, porous	5
<u>Shale</u> , dark brownish-gray, weathers tan, soft, recessive	350
<u>Siltstone</u> , olive-brown, mottled with gray-brown, thin-bedded to flaggy, slightly calcareous, resistant	130
Covered	1000 £
<u>MISSISSIPPIAN</u>	
<u>Limestone</u> , brownish-gray, fine to medium crystalline, sandy to silty, with <u>siltstone</u> near base of top, interbeds of pebble <u>conglomerate</u>	545
Fault	
<u>UPPER DEVONIAN</u> (?)	
<u>Shale</u> , mostly covered	200
<u>Conglomerate</u> , quartzitic, quartz and black chert cobbles in rusty-brown siltstone matrix, tight	35
<u>Siltstone</u> , gray, iron-stained, laminated to platy, recessive	50
<u>Sandstone</u> , conglomeratic, light olive to yellowish-gray, medium-bedded, limonitic, very resistant, tight	590
Covered	225 £
<u>Sandstone</u> , gray to gray-brown, fine to medium-grained, quartzose, with interbedded <u>siltstone</u> , gray, thin-bedded to platy, hard, concretionary	185
<u>Sandstone</u> , light gray, medium-grained, with some grit pebbles of chert and quartz	95
<u>Sandstone</u> , silty, brownish-gray to olive-gray, tight, <u>shale</u> , interbeds, silty, platy	210
<u>Shale</u> , gray, platy to laminar, soft, ironstone concretions; minor <u>siltstone</u> and <u>sandstone</u> , fine-grained, thin-bedded, tight	385
<u>Sandstone</u> , brownish-gray, fine to medium-grained, quartzose, hard scattered stringers of conglomerate, grit and pebbles of quartz and chert, iron-stained, tight. Interbeds of <u>siltstone</u> and <u>shale</u> dark gray, soft, laminated, ironstone concretions	200 £
Base of measured section	

Location: 137° 56' W, 67° 14' N

Poorly exposed interbedded sandstone and shale not measured

UPPER CRETACEOUS

Sandstone, mottled light gray and yellow-brown, argillaceous, fine-grained, subangular, ferruginous, flaggy to thin-bedded, traces very poor porosity

80

Covered

2475 E

Siltstone, brownish-black, platy to laminated

110

Covered

350 E

Sandstone, dark olive-gray to brown, very fine-grained to silty, subangular, quartz and chert, ferruginous, flaggy, friable, tight

130

Covered

470 E

Sandstone, dark gray, medium-grained, flaggy to thin-bedded

150

Covered

1100 E

Sandstone, as above

35

Covered

50 E

Sandstone, gray, fine-grained, lenticular

60

Covered

7385 E

LOWER CRETACEOUS

Siltstone and shale, laminated, brown and black, moderately soft

180

Covered

2655 E

Sandstone, white with pale orange streaks, in part slightly ferruginous and argillaceous, fine-grained, subangular, quartzose, thin to medium-bedded, friable, poor porosity

140

Sandstone, as above but more argillaceous, very poor porosity

350

Sandstone, as in 140-foot unit above

245

Sandstone, orange and dark brown, fine-grained, subangular, quartzose, moderately hard, poor to fair porosity

165

Base of measured section

Location: 137° 56' W, 67° 14' N

Poorly exposed interbedded sandstone and shale not measured

UPPER CRETACEOUS

<u>Sandstone</u> , mottled light gray and yellow-brown, argillaceous, fine-grained, subangular, ferruginous, flaggy to thin-bedded, traces very poor porosity	80
Covered	2475 E
<u>Siltstone</u> , brownish-black, platy to laminated	110
Covered	350 E
<u>Sandstone</u> , dark olive-gray to brown, very fine-grained to silty, subangular, quartz and chert, ferruginous, flaggy, friable, tight	130
Covered	470 E
<u>Sandstone</u> , dark gray, medium-grained, flaggy to thin-bedded	150
Covered	1100 E
<u>Sandstone</u> , as above	35
Covered	50 E
<u>Sandstone</u> , gray, fine-grained, lenticular	60
Covered	7385 E
<u>LOWER CRETACEOUS</u>	
<u>Siltstone</u> and <u>shale</u> , laminated, brown and black, moderately soft	180
Covered	2655 E
<u>Sandstone</u> , white with pale orange streaks, in part slightly ferruginous and argillaceous, fine-grained, subangular, quartzose, thin to medium-bedded, friable, poor porosity	140
<u>Sandstone</u> , as above but more argillaceous, very poor porosity	350
<u>Sandstone</u> , as in 140-foot unit above	245
<u>Sandstone</u> , orange and dark brown, fine-grained, subangular, quartzose, moderately hard, poor to fair porosity	165
Base of measured section	

Location: 138° 08' W 67° 21' N

Top of measured section

LOWER CRETACEOUS

Covered	140	£
<u>Sandstone</u> , brownish-gray, fine-grained, quartzose, hard, poor porosity, non-resistant	110	
Covered	10	£
<u>Sandstone</u> , light brown to tan with occasional red-brown interbeds, quartzose, fine-grained, soft, friable, fossiliferous, poor to fair porosity	190	
<u>Shale</u> , dark brownish-gray, silty, block weathering	310	
<u>Siltstone</u> , light brownish-gray, grades to very fine-grained <u>sandstone</u> or <u>shale</u> , hard, fossiliferous	135	
<u>Sandstone</u> , light yellow-brown, fine-grained, platy to flaggy	55	
<u>Sandstone</u> , buff, fine to medium-grained, friable, thin-bedded (3") fair to good porosity	55	
<u>Siltstone</u> and <u>sandstone</u> , light gray to light brownish-gray, banded, very fine-grained, platy, recessive	225	
<u>Sandstone</u> , light brown, fine to medium-grained, quartzose, friable, fossiliferous, porous	300	
<u>Sandstone</u> , gray to brown-gray, silty, very fine-grained becoming medium-grained near base, thin interbedded <u>siltstone</u> , poor to good porosity	230	
Covered	20	£
<u>Sandstone</u> , tan, fine-grained, quartzose, rounded to subangular, limonite grains, thin to medium-bedded, poor to no porosity, well cemented	70	
Covered	615	£
Covered, probably siltstone	690	£
<u>Sandstone</u> , light olive-brown, very fine-grained, quartzose, moderately hard, thin-bedded, fair porosity	40	
Poorly exposed covered interval of probable interbedded <u>siltstone</u> and <u>shale</u>	900	£

Base of measured section



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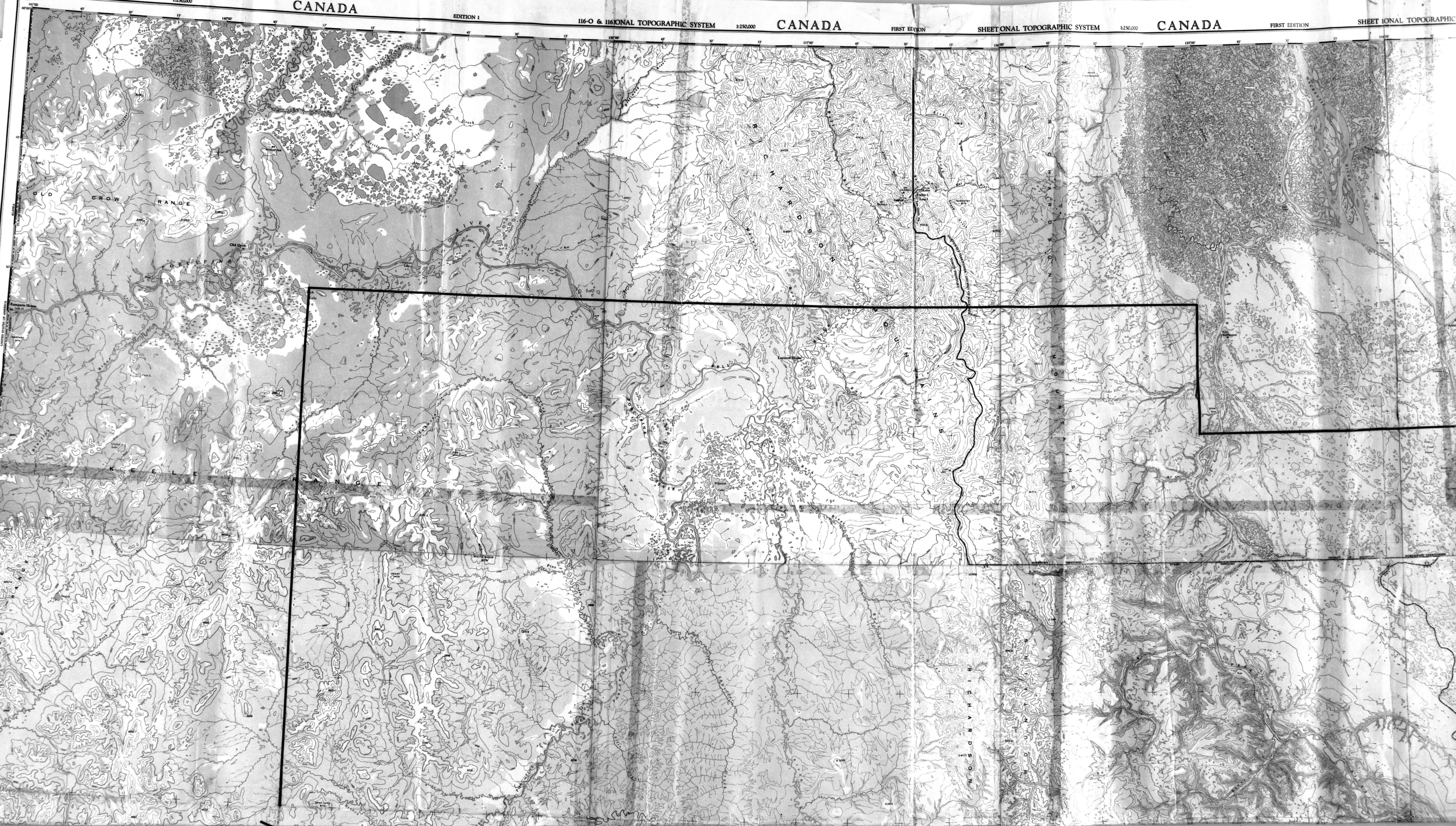
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