

Location: 132° 03' 65° 27' N

Top of measured section

LOWER CRETACEOUSShale, medium to very dark gray, fissile to platy 530 £

Covered 350 £

Shale, dark gray, fissile to platy 300

Covered 430 £

DEVONIANShale, dark gray to black, fissile to platy, with lenses of siltstone, sandy, streaked light and dark gray 200Shale, dark gray to black, thin ironstone concretionary zones in upper part, fissile, hard 2325Limestone, (micrite) dark brownish-gray, medium to thick-bedded, tight 50Limestone (dismicrite) brownish-gray, slightly argillaceous, medium to thick-bedded, tight 170Limestone, dark gray, argillaceous, medium-bedded, tight 180Limestone (micrite) brownish-gray to black, argillaceous, fossiliferous, pyritic, tight 110Mudstone, very dark gray to brownish-black, fossiliferous, flaggy to thin-bedded 120Siltstone, very calcareous, gray, flaggy to thin-bedded with a single two-foot bed of limestone (dismicrite) 100Limestone (dismicrite), brownish-gray to black with light gray streaks, thin-bedded, microcrystalline dolomite in patches and streaks, tight 50Limestone (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

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

130

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

430

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 ↘

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 (now covered in part)

563<sup>4</sup>

CAMBRIAN

<u>Orthoquartzite</u> , white to light olive-gray, fine to medium-grained, ferruginous, thin to medium-bedded, medium resistant, tight	150
<u>Argillite</u> , 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
<u>Quartzite</u> , as above interbedded in upper part with <u>slate</u> , maroon and green, hard, brittle, waxy, recessive and a single bed of <u>siltstone</u> , dolomitic, black, resistant	150
<u>Argillite</u> and <u>quartzites</u> as above	85

Base of measured section

Location:  $138^{\circ} 50' W$ ,  $65^{\circ} 35' N$

Top of measured section

DEVONIAN

<u>Shale</u> , black	30
<u>Limestone</u> , 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
<u>Siltstone</u> , very calcareous, black, thin-bedded	10
<u>Limestone</u> , (micrite and dismicrite) brownish-gray, in part argillaceous and pyritic, tight, grades downward to <u>dolomitic limestone</u> with scattered pinpoint vugs and intercrystalline porosity, generally thin-bedded, cyclic	290
<u>Dolomite</u> , gray to brownish-gray, microcrystalline, flaggy to medium-bedded, very poor intergranular porosity, minor <u>dolomitic limestone</u>	65
<u>Limestone</u> , (micrite) dolomitic, gray to gray-brown, mottled to banded, dolomitic portions are calcite-cemented, tight	110
<u>Dolomite</u> , calcareous, brownish-gray, microcrystalline with interlocking calcite, slightly argillaceous, tight	105
Covered	460

15605

<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, calcarenite, 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	
<u>CRETACEOUS</u>	
<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
<u>PRE-CRETACEOUS</u>	
<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 skeletal, 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 <del>4</del>
<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° 22' W, 65° 38' N	
Poorly exposed shale and siltstone	not measured
<u>UPPER DEVONIAN (?)</u>	
<u>Shale</u> , brown and black	650
<u>Sandstone</u> , pebble conglomerate, dark gray to rust-brown, hard, tight. Thin interbeds of brown-weathering shale at base	245
<u>Shale</u> , dark gray to brownish gray, silty at top. Thin interbedded <u>siltstone</u> , <u>sandstone</u> and <u>shale</u> at base	185
<u>Shale</u> , dark gray, brown and black, platy	1420
<u>Siltstone</u> and <u>shale</u> , 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 £

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 £

Base of section

Location:  $139^{\circ} 23' W$ ,  $65^{\circ} 43' N$

MIDDLE DEVONIAN

Poorly exposed to covered section believed to be principally  
limestone

1050 £

SILURIAN

Covered, believed to be shale

250 £

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

85

Poorly exposed or covered, believed shales

500 £

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

<u>Dolomite</u> , light gray to dark brownish-gray, finely crystalline with varying amounts calcite infilling, locally grades to <u>dolomitic limestone</u> , scattered silty and cherty zones, generally very poor intercrystalline porosity, some vuggy	3840
<u>Breccia</u> , dark brownish-gray, angular microcrystalline <u>dolomite</u> fragments incompletely cemented with calcite, vuggy, slight to no intercrystalline porosity	20
<u>Dolomite</u> , as above the breccia	80
<u>Conglomerate</u> , mottled olive and gray, pebbles of <u>dolomiticrite</u> in silty, ferruginous, finely crystalline <u>dolomite</u> matrix, cherty tight and <u>chert</u>	35
<u>Dolomite</u> , light to dark gray, fine to microcrystalline, some sparry calcite, laminated toward the base with minor <u>siltstone</u> , fine-grained <u>sandstone</u> and <u>chert</u> 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° 45' W, 65° 44' N

#### UPPER CRETACEOUS

Poorly exposed clastics	unmeasured
<u>Sandstone</u> , light gray, quartzose, fine-grained, subrounded, hard, flaggy, some poor porosity	70 ±
<u>Siltstone</u> , brownish-black, sandy, thin-bedded	325
<u>Sandstone</u> , light brownish-gray, fine-grained, subrounded, quartzose, clay and siliceous matrix, tight, with thin <u>siltstone</u> interbeds	60

#### LOWER CRETACEOUS

Covered	465 ±
<u>Sandstone</u> , 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

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

Chert, black, argillaceous, fissile to flaggy

115

Covered

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

140

MIDDLE DEVONIAN

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

350

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

140

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

190

Base of section

1985

Location: 135° 40' W, 65° 45' N

Poorly exposed soft clastics

not measured

CARBONIFEROUS

<u>Siltstone</u> , streaked gray and dark gray, calcareous, moderately soft, friable, thin-bedded	120
Covered	65 £
<u>Siltstone</u> , light gray to gray-brown, calcareous, tough	55
Covered	135 £
<u>Siltstone</u> , as above	100
Covered	890 £
<u>Chert</u> , grading to siliceous <u>shale</u> and <u>siltstone</u> , light to very dark gray, flaggy to medium-bedded	50
<u>Limestone</u> , light brownish-gray, skeletal, argillaceous, glauconitic, fossiliferous, massive to thick-bedded, tight	65
<u>Siltstone</u> , dark gray, very calcareous, fossiliferous, thin to medium-bedded, resistant with minor interbedded dark gray calcareous <u>shale</u>	105
<u>Limestone</u> , light brownish-gray, skeletal, sparitic, slightly glauconitic	3
<u>Shale</u> , brown, silty, platy, recessive	290
<u>Limestone</u> , light gray-brown, skeletal, sparitic, very glauconitic, floating medium to coarse quartz and chert grains, massive, tight	65
Covered	290 £
<u>Sandstone</u> , olive-gray to light gray-brown, poorly sorted silt to granule, tight	110
Covered	365
<u>Shale</u> , brownish-gray to black, moderately soft	160
<u>Limestone</u> , (micrite) dark gray, very silty grades to calcareous siltstone	30
Covered	155 £

UPPER DEVONIAN (?)

Sandstone, 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 ↗

Sandstone, light gray to buff, fine-grained, well-sorted, subangular, quartzose, slightly friable, poor to fair porosity

130

Covered

480 ↗

Sandstone, 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 ↗

Sandstone, dark gray, silty, quartzose, very fine-grained, carbonaceous fragments, medium friable, tight

310

Shale, dark brownish-gray, moderately hard, brittle with minor siltstone interbeds

210

Sandstone, gray, iron-stained, very fine-grained, quartzose, carbonaceous fragments, platy to medium-bedded, mostly tight with minor very poor porosity

180

Covered

910 ↗

Siltstone, dark brownish-gray, sandy, ironstone concretions, platy to flaggy

300

Covered

170 ↗

Sandstone, brownish-gray, silty, very fine-grained, ironstone concretions, slightly friable, resistant, tight

440

Base of measured section

Location: 136° 30' W, 65° 50' N

Top of measured section

CARBONIFEROUS

Shale, gray, very calcareous, thin-bedded to laminar, hard, interbedded with thin limestone and calcareous siltstone

230

Fault

Shale, 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 $\pm$
<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 $\pm$
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 $\pm$
<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 <i>L</i>
<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 <i>L</i>
<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 <i>L</i>

LOWER CRETACEOUS (?) - CARBONIFEROUS (?)

Poorly exposed or covered interval, believed to be siltstones and silty sandstones 505 £

Shale, dark gray to black, concretionary, soft with thin occasional concretionary gray claystone bed, fossiliferous 125 £

Covered, probably shale as above 325 £

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 £

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 £

MIDDLE DEVONIAN

Limestone, dark-green, finely crystalline with thin interbeds of silty limestone grading to calcareous claystone, fossiliferous. Faulted 230 £

Shale, brownish-gray, very calcareous with thin limestone interbeds, fossiliferous 70

Covered 190 £

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 inter-crystalline 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:  $136^{\circ} 12' W$ ,  $66^{\circ} 17' N$

UPPER DEVONIAN (?) - SILURIAN (?)

Covered section

unmeasured

Poorly exposed section believed to be shales

100  $\frac{1}{2}$

Shale, brownish-gray to black, ferruginous, platy, some siliceous, laminated

1010

Shale, black, siliceous, very hard, platy to fissile

330

Shale, black as above with minor interbedded black chert

30

Shale, grayish-brown, slightly to non-calcareous, fissile to platy

1330

Shale, black, siliceous with cherty streaks, ferruginous, platy, resistant

155

Covered

150  $\frac{1}{2}$

Shale, as above

240

SILURIAN (?) - ORDOVICIAN (?)

Shale, dark gray to black, laminated, non-calcareous, recessive

520

Chert, black, bedded

350

Breccia, chert with fragments of very finely crystalline dolomite and silt laminae

25

Dolomite, dark gray, fine to medium crystalline, interlocked, siliceous bands, tight

255

Breccia, mottled gray to black, limestone grit in black calcareous claystone, matrix

15

Chert, black, some argillaceous and with silt laminae, thin-bedded

1750

Shale and Claystone, black, locally silty, calcareous and siliceous grading to argillaceous black chert

455

CAMBRO-ORDOVICIAN

Shale, dark gray, calcareous, platy, recessive

70

Claystone, dark gray, calcareous

1470

Siltstone, light to dark gray, calcareous, thin to medium-bedded, interbedded with varying amounts of claystone and shale, dark blue gray, calcareous and limestone (micrite) black, argillaceous to silty; and varying percentages of interbedded black cherts; locally brecciated and veined with quartz or calcite

5130  $\frac{1}{2}$

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:  $139^{\circ} 10' W$ ,  $66^{\circ} 40' N$

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 <i>f</i>
<u>Sandstone</u> , olive-gray, shaly streaks, very fine-grained, cross-bedded, flaggy, tight	125
Covered	255 <i>f</i>
<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 <i>f</i>
<u>Siltstone</u> , olive-brown and laminated light and dark olive-gray, flaggy	50
Covered	100 <i>f</i>
<u>Sandstone</u> , olive gray, fine-grained, silty, tight	45
Covered	1225 <i>f</i>
<u>Siltstone</u> , light olive-gray, cross-laminated, flaggy	65
Covered	615 <i>f</i>
<u>Mudstone</u> , black, pebbly to granular	18
Covered	1015 <i>f</i>
<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

Shale, dark gray, fissile with minor interbedded dark gray siltstone 50

Siltstone, gray, slightly sandy, laminated, flaggy with minor interbedded shale as above 50

Siltstone, medium to dark gray, sandy, some banded, minor shale lenses, platy to flaggy, fossiliferous 305

Shale, dark gray, fissile with minor interbedded siltstone near the top 925

Sandstone, gray, quartzose, very fine-grained to grit, poorly sorted, subangular, ferruginous, scattered chert pebbles, fair porosity 110

Siltstone, sandy, dark gray, fissile 110

Unconformity

Sandstone, light to dark gray, quartzose, fine-grained, ferruginous, minor chert grains, variable porosity-poor to tight, with occasional interbedded siltstone 365

Covered

Sandstone, 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 siltstone bed in the middle and increasingly argillaceous below that 190

Covered

Sandstone, light gray to light olive-brown, quartzose, medium-grained, subangular, partly friable, medium to thick-bedded, porous 25

Siltstone, sandy, dark blue-gray, flaggy 25

Sandstone, light gray to light gray-brown, very fine-grained, subangular, silty to argillaceous, slightly ferruginous, thin-bedded, tight 100

Limestone, (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	E
<u>Sandstone</u> , light gray, quartzose, calcareous cement, with interbedded pebble <u>conglomerate</u>	65	
Covered	575	E
<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	
<u>LOWER CRETACEOUS</u>		
<u>Sandstone</u> , with interbedded <u>siltstone</u> and <u>shale</u> and a basal <u>conglomerate</u> . Not described in detail	1920	E
<u>UPPER DEVONIAN</u> (?)		
<u>Shale</u> , dark gray, laminated, partly silty, moderately hard	540	
<u>Sandstone</u> , dark gray, siliceous, medium-grained to grit, subrounded to subangular with quartz and chert pebbles, tight	80	
<u>Shale</u> , as above	300	
<u>Sandstone</u> , dark gray, siliceous, medium-grained to grit, subangular to subrounded quartz and black chert, hard tough, thin to medium-bedded, resistant, blocky talus	40	
<u>Shale</u> , as above	105	
<u>Sandstone</u> , as above	120	
<u>Shale</u> and <u>sandstone</u> , as above interbedded	165	
<u>Sandstone</u> , as above except silty to medium-grained with streaks of coarse-grained sand and grit, tight	540	
<u>Sandstone</u> , as above except medium-grained to grit	120	
<u>Conglomerate</u> , 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 <u>4</u>
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 <i>E</i>
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 <i>E</i>
<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 £

Siltstone, brownish-black, platy to laminated

110

Covered

350 £

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

130

Covered

470 £

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

150

Covered

1100 £

Sandstone, as above

35

Covered

50 £

Sandstone, gray, fine-grained, lenticular

60

Covered

7385 £

LOWER CRETACEOUS

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

180

Covered

2655 £

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

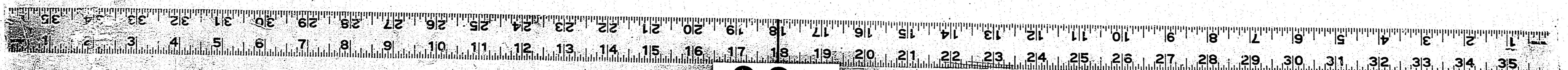
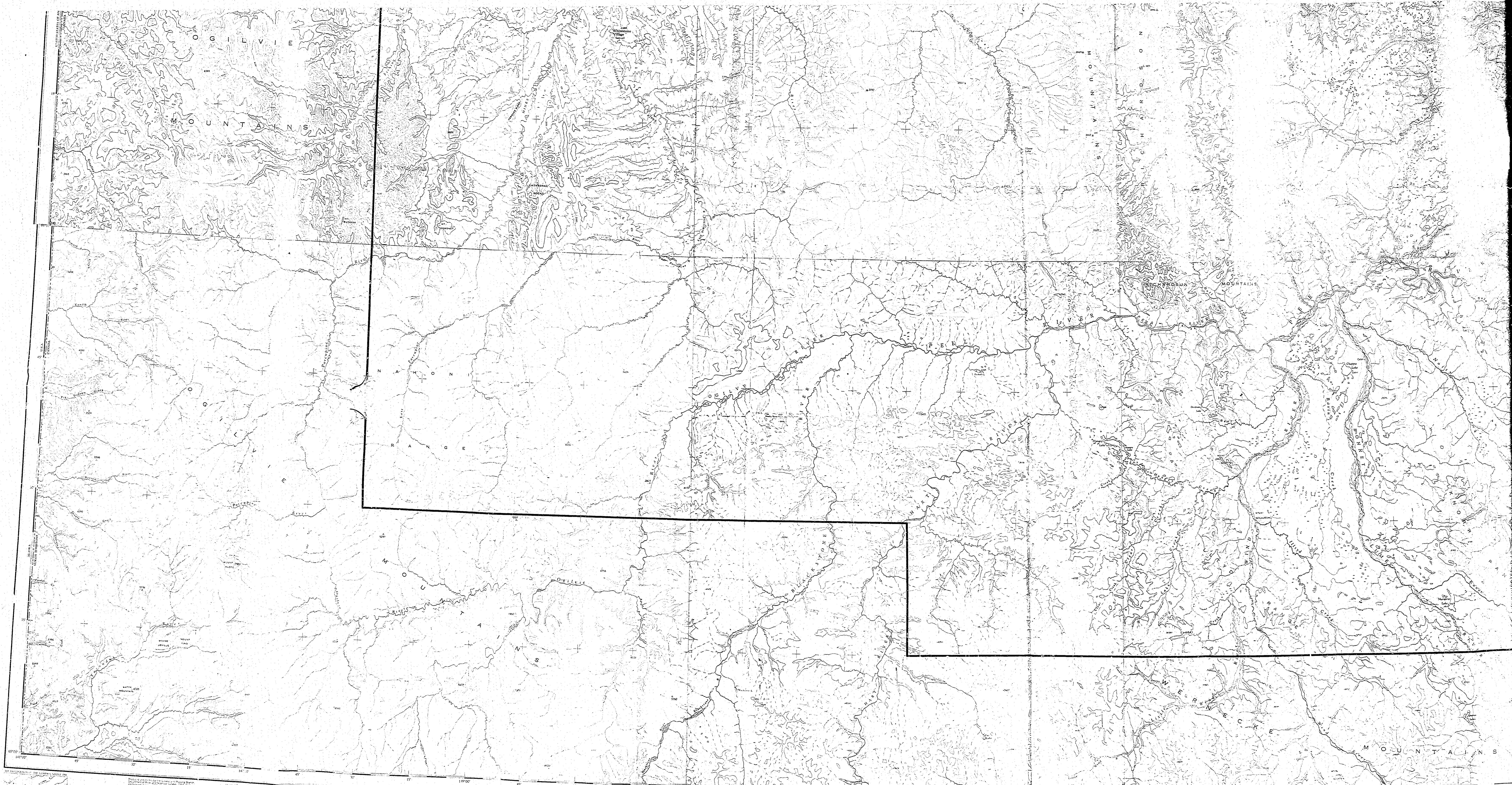
Base of measured section

Location: 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		



116-O & 116N (E14)

1:250,000

CANADA

EDITION 1

116-O & 116N TOPOGRAPHIC SYSTEM

1:250,000

CANADA

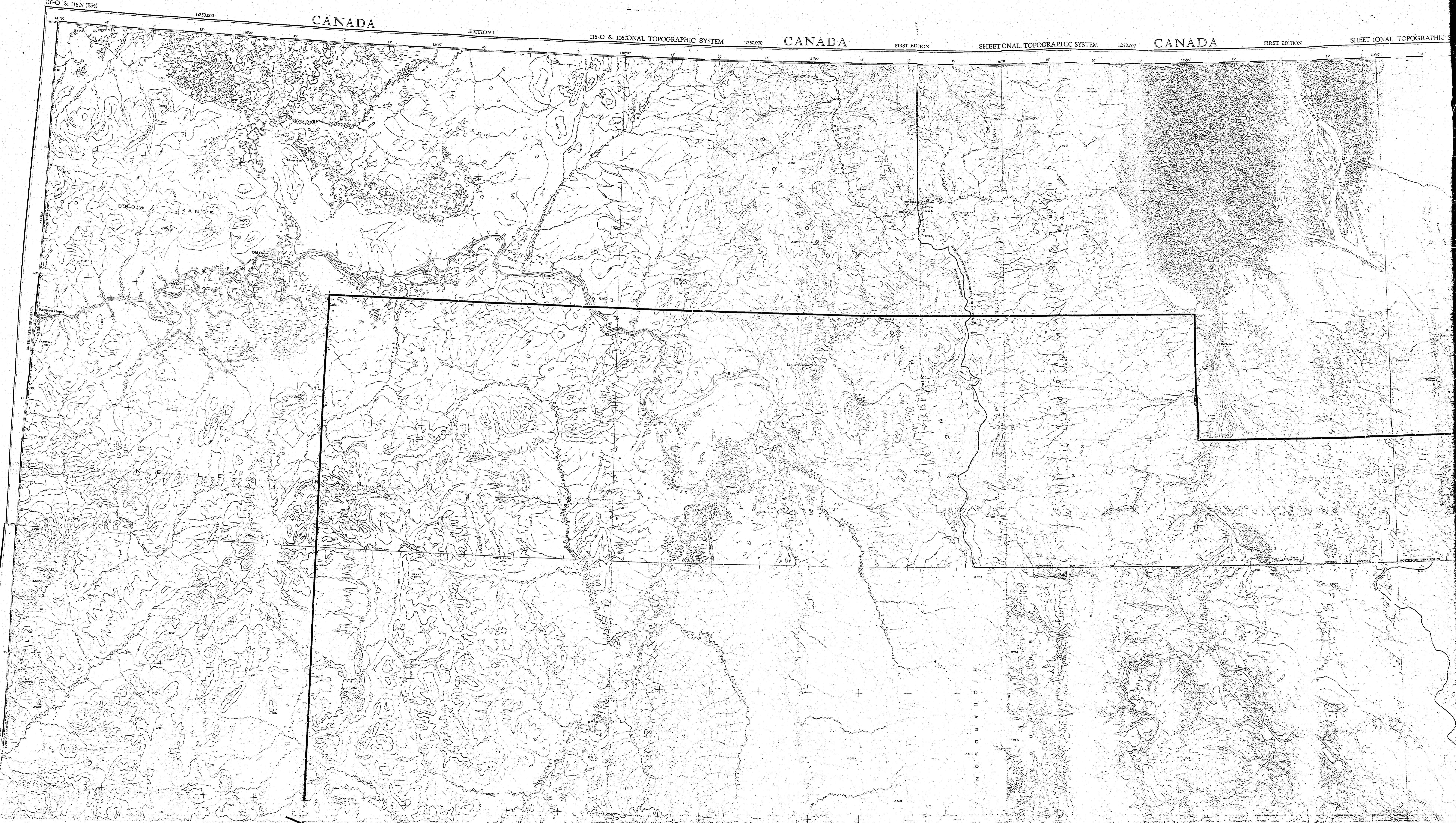
FIRST EDITION

TOPOGRAPHIC SYSTEM

CANADA

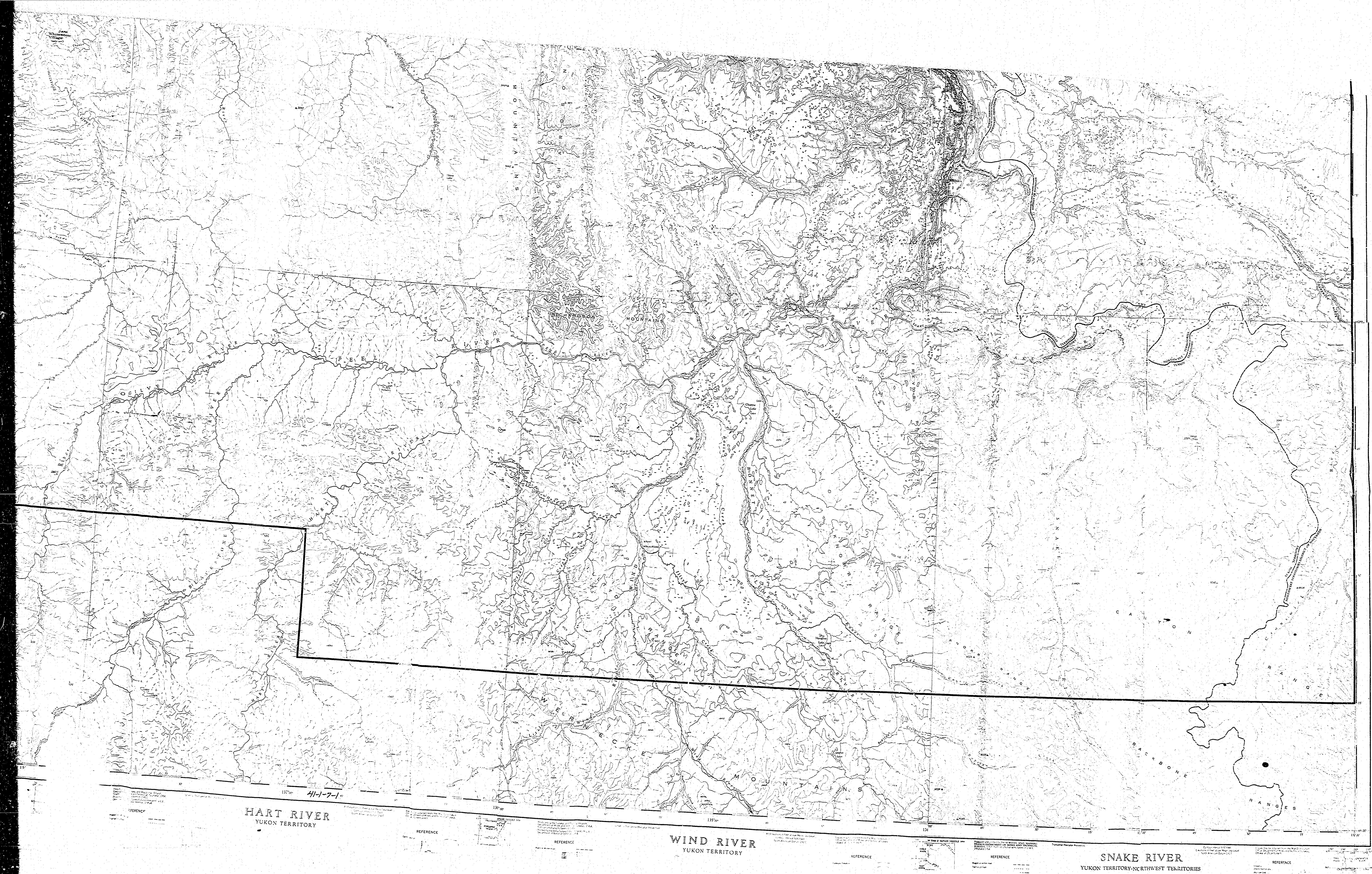
FIRST EDITION

TOPOGRAPHIC SYSTEM



30x

West Guardian Graphic Industries Ltd.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35



30x

West Canadian Graphic Industries Ltd.