CORWIN FORMATION
4.1 Sandstone, very fine grained, med. grey, non-calcareous, abundant carbonaceous material, roots, faint climbing ripples, sharp base, top covered.
4.2 Mostly covered. Bentonite slope wash in upper part, a few very thin sandstone stringers at top.
2.3 Sandstone, very fine grained, climbing ripples
20. Covered
10.0 Bentonite shale, ironstone concretions, and coaly shale.
0.3 Coaly shale
1.5 Sandstone, very fine grained, med. grey, with cal. transitional base, no visible strat.
24.3 Covered, probably silty shale
15.6 Sandstone same as 4.3 foot unit below
0.8 Sandstone same as 2.2 ft unit below
4.3 Sandstone, fine grained, light grey, sli. calcareous, transitional base, sharp top, thin bedded with siltstone partings, climbing ripples, abundant plant material.
2.2 Sandstone, very fine grained, dark grey, sli. calcareous, with orange base covered, top gradational, mostly convolute lamination, abundant plant material, graded beds, less than 1" thick.
34.8 Covered, upper part probably sandstone.
PL70 BS40
PL70 BS39
2.0 Coal
7.9 Covered
0.6 Shaley coal
6.1 Sandstone, very fine grained, silty, dark grey, poorly sorted, non-calcareous, sharp base, gradational top, becomes siltier upward, faint trough cross laminations in lower 1 foot.
RLS 243
PL77 SA 243
SOURCE ROCK ANALYSIS AVAILABLE
55.5 Mostly covered, coaly shales, shales etc.
Sand (1 foot)
21.7 Sandstone, very fine - fine grained, light - med. grey, non-calcareous, beds less than 1 foot thick, interbedded with silty shale and ironstone layers, abundant carbonaceous material, climbing ripples and small scale trough lamination, transitional base and top, indiv. sand beds have sharp bases.
PL70 BS38
Ø = 2.6 KmD = 0.07
45.5 Mostly covered, thin coaly shale layer in lower part.
PL70 BS37
4.0 Shaley coal, top covered
2.5 Sandstone, fine grained, med. grey, moderate cal. transitional base, sharp top, heavily burrowed upper surface, vertical burrows, mostly slanted and horizontal, no visible stratification.
38.2 Silty shale with siltstone interbeds up to 2½ feet thick, and thin coaly shales less than 0.4 feet. Thin interbedded ironstone concretions.
RLS 242,
PL77 SA 242
Ø = 1.2 KmD = 0.00027
7.6 Sandstone, very fine grained, med. grey, weathers orange-tan, non-calcareous, well cemented, sharp base, transitional top, med. bedded, contorted laminations in lower ½, climbing ripples and moderate amount of roots in upper ½, composed of two overlapping channels.
12.1 Siltstone
4.8 Sandstone, very fine grained, med. grey, non-calcareous, well cemented, base and top covered, no visible stratification.
44.5 Silty shale with siltstone interbeds
4.5 Sandstone, very fine grained, med. grey, sli. cal. covered base, top gradational into siltstone. Beds 0.3 to 1 foot thick, climbing ripples, abundant roots.
14.2 Covered shale and lignite
4.3 Sandstone, very fine grained, interbedded with silty shale. Sandstone beds 1.1, 0.4 and 0.6 feet thick, sharp bases, climbing ripples throughout.
5.5 Covered
2.1 Sandstone, fine grained, light grey, moderate cal. sharp base, covered top, no visible stratification, roots.
36.5 Covered, mostly shale
31.4 Sandstone, very fine to fine grained, light grey, non-calcareous, siltstone interbeds 10%. Sands less than 1" thick, irregular. Most have climbing ripples, abundant plant material and vertical stems. Sharp bases and tops. Ironstone concretions.
RLS 241,
PL77 SA 241
Ø = 1.5 KmD = 0.43
24.5 Mostly covered, probably shale
9.4 Sandstone, very fine grained, med. light grey, non-calcareous, & siltstone interbeds 0.4" thick, covered base, vertical stems, faint climbing ripples
31' Mostly covered, probably shale and coal.
RLS 240,
PL77 SA 240
Ø = 7.3 KmD = 0.0181
13.0 Sandstone, very fine - fine grained, light - med. grey, non-calcareous, sharp erosional base, transitional top, beds 0.4 - 1.5 feet thick, with many siltstone interbeds, climbing ripples in most beds, contorted laminations, minor abundant root and vegetable matter, scours less than 1 foot.
10.0 Interbedded sandstone, very fine - fine grained (40%) and siltstone. Sandstone med. grey, non-calcareous, transitional base, sharp top in beds less than 0.4 feet thick. Abundant plant material and climbing ripples in a few beds. A few ironstone concretions.
24.6 Siltstone and interbedded silty shale
Coal (2½ ft)
3.2 Sandstone, very fine - fine grained, dark grey, non-calcareous, sharp base, transitional top, beds 0.6 - 1 foot thick, separated by siltstone, climbing ripples.
2.3 Siltstone
0.5 Coal
4.8 Interbedded sandstone (20% in beds up to 1.3) and siltstone, no visible stratification in sands, abundant plant material, transitional top and base.
10.5 Interbedded sandstone, very fine grained (30%) and siltstone. Sandstone beds up to 0.6 feet thick. Transitional top and base. Heavily rooted. No visible stratification, abundant plant material.
29.4 Silty shale, black
RLS 239,
PL77 SA 239
SOURCE ROCK ANALYSIS AVAILABLE
2.5 Siltstone, clayey, med. grey, non-calcareous, no visible stratification, hard.
10.3 Silty shale
3.8 Interbedded sandstone, very fine grained (40%) and siltstone, transitional base and top, abundant carbonaceous material, no visible strat.
3.4 Shale
PL70 BS36
2.6 Sandstone, very fine grained, med. grey, non-calcareous, carbonaceous material in lamination, small scale trough and tabular cross stratification. Base and top transitional.
13.3 Covered, probably shale and coal.
3.6 Sandstone, very fine grained, silty, med. grey, very slightly calcareous, sharp base, transitional top.
25.8 Mostly covered, silty shale at top.
1.2 Lignite
1.9 Siltstone, dark grey-brown, sli. calcareous, base sharp (?), top transitional. Heavily rooted.
10.2 Covered
6.9 Siltstone, becoming sandier upward, dark grey, non-calcareous, transitional base and top, iron concretions, abundant carbonaceous material, a few roots at top.
9.5 Mostly covered, partly mudstone and shale
1.1 Sandstone, very fine grained, med. - dark grey, non-calcareous, abundant carbonaceous material and roots, climbing ripples, covered base & top.
4.4 Covered
0.4 Coaly shale or lignite
2.7 Sandstone, very fine grained, med. grey, non-calcareous, abundant plant material, sand beds 0.1 - 1.0 feet, siltstone interbeds, bed tops heavily burrowed.
7.3 Mostly covered, including 0.2 sand with shale and coal.
4.9 Sandstone, very fine grained, med. - dark grey, non-calcareous, well cemented, covered base, sharp top, climbing ripples throughout. Rare roots.
20.8 Mostly covered, siltstone near top.
1.9 Sandstone, very fine grained, dark grey, non-calcareous, well cemented, sharp base and top, climbing ripples
36.4 Mostly covered, shale with 1-1 ft interbedded of very fine grained sandstone. Rippled with root impressions
Sandstone (1 foot)
PL70 BS35
20.0 Sandstone in 0.5 - 3.0 feet intervals with 0.2 - 0.9 feet beds of siltstone. Sandstone is fine grained, med. brown, sli. cal. argillaceous. Bases and tops are sharp (beds). Climbing ripples throughout.
SOURCE ROCK ANALYSIS AVAILABLE
RLS 238,
PL77 SA 238
PL70 BS34
Ø = 4.3 KmD = 0.36
83.0 Shale and siltstone
Coaly streaks
4.0 Sandstone, med. grey, probably with lag of shale pebbles up to 4" in diameter. Clasts of green and black chert. Greenstone. Sharp scour at base, top covered. Plant and woody fragments. Stratification indistinct.
104.5 Shale and siltstone, mostly covered
Coaly streaks
Sand (1.0 ft) fine grained, climbing ripples
RLS 237,
PL77 SA 237
SOURCE ROCK ANALYSIS AVAILABLE
Sand (0.5 feet)
7.5 Lignite
2.5 Sandstone, very fine grained, light grey, weathers orange, non-calcareous, vertical lenticular, climbing ripples in lower half, small scale trough cross lines in upper half, sharp scour at base, top covered.
22.5 Shale and siltstone, partly covered
RLS 236,
PL77 SA 236
PL70 BS33
SOURCE ROCK ANALYSIS AVAILABLE
12.0 Lignite
15.0 Covered
28.0 Sandstone, interbedded with siltstone. Sandstone beds are 0.5 - 6 feet thick. Sandstone med. grey, massive (?) at base, fine grained at top, small scale trough cross lamination in sets of 0.2 - 0.5 feet thick.
PL77 SA 235
φ = 6.9 Kmd = 0.080
61.0 Shale and siltstone, mostly covered
attitude N86E 54°N
12.0 Sandstone, med. grey at base, fine grained at top, light grey, non-calcareous, thinly bedded. Small scale trough cross stratification in sets which thin upward from 0.8 feet near base to 0.2 feet near top. Abundant carbonaceous material in bedding surface.
60.0 Shale and siltstone
Sandstone beds 6" thick in 4.0' intervals, 30 feet above base
Coal (0.9 ft)
4.0 Sandstone, fine grained, med. grey, weathers orange, abundant large coalified plant fragments. Outcrop rubbly.
42.0 Shale and siltstone, mostly covered
(Coal 3 feet)
PL70 BS31?
Ø = 3.3 KmD = 0.05
2.5 Sandstone, very fine grained, silty, med. grey, weathers brown, sli. cal., abundant coalified plant fragments. Vertical stems or roots, climbing ripples, base and top covered.
43.0 Shale and siltstone, mostly covered.
Coal (4 inches)
3.5 Sandstone, fine grained, med. grey, weathers orange, sli. cal. base and top covered, root structures, small scale trough cross stratification. Altitude N88W 62N
88.5 Shale and siltstone, mostly covered.
Lignite (1.0 feet)
PL70 BS30
5.0 Sandstone, fine - med. grained, light grey, weathers grey, coalified plant fragments, stratification indistinct to horizontal laminations, base and top covered.
54.0 Covered
5.0 Sandstone, fine grained, med. grey, weathers orange, climbing ripples throughout, base and top covered.
73.5 Shale and siltstone, mostly covered
PL70 BS29
Lignite (1 foot)
2.2 Sandstone, very fine grained, med. grey, non-calcareous, weathers orange, base, top sharp, climbing ripples throughout, top rippled.
48.3 Shale and siltstone, mostly covered.