

Assay file

LITHOLOGIC DESCRIPTION OF SAMPLES SUBMITTED FOR ASSAY

Core samples from Wasatch Development Company's Washington No. 4 corehole drilled N. 55° 48' E. 2,238.4 feet from SW corner of sec. 31, T. 4 S., R. 97 W., Garfield County, Colorado, and surface samples from outcrop west of corehole

Surface elevation of corehole 8,441.2 feet

From	To	Description
0	6.0	Drilled through alluvium.
6.0	21.7	Siltstone, sandy, light gray and tan, generally massive with some well defined bedding. Extensive yellow and reddish brown limonite staining. Common vertical fracture.
21.7	23.9	Siltstone, light gray and dark gray, slightly calcareous, massive to well defined bedding.
23.9	34.6	Siltstone, light gray, yellow and yellowish brown, slightly calcareous, massive to well defined bedding.
34.6	41.8	Siltstone, tan, light gray, and gray, massive to well defined bedding.
41.8	49.0	Siltstone, light gray and gray, slightly calcareous, poorly defined to well defined bedding. Core badly broken and missing.
49.0	52.2	Siltstone, sandy, light gray, tan, and yellow, massive.
52.2	53.7	Sandstone, light gray and yellow, fine grained, angular to subangular grains, massive, limonite stained, slightly calcareous.
53.7	55.0	Siltstone, light gray and yellowish gray, massive to well defined bedding.
55.0	77.8	Sandstone, light gray, tan, and yellow, fine to coarse grained, becoming conglomeratic in places, quartzitic with hornblende, poorly sorted. Yellow and light brown limonite matrix. Common 1/4" and less inclusions of light brown limonite. A 0.1-foot band of light gray siltstone occurs at 70.8 feet.
77.8	85.3	Siltstone, light gray and light brown, massive to well defined bedding, calcareous. 4.5 feet of this interval not represented.
85.3	100.8	Siltstone, light gray and dark gray, massive to well defined and irregular bedding. Some limonite staining. Core broken and partially missing.
100.8	104.2	Sandstone, light gray and yellow, fine to coarse grained, poorly sorted, angular to subangular grains. Quartzitic with abundant hornblende. Limonite matrix. Rare 1/4" and less light brown limonite inclusions.

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Surface elevation of corehole 8,441.2 feet

From	To	Description
104.2	107.2	Siltstone, light gray to dark gray, massive. Abundant vegetation fragments.
107.2	113.5	Sandstone as above. 5.2 feet of this interval not represented.
113.5	116.9	Siltstone, light gray and dark gray, massive. Abundant vegetation fragments. A 0.3-foot band of light gray and yellow sandstone occurs at 113.9 feet.
116.9		Bottom of hole, still in Evacuation Creek member.

LITHOLOGIC DESCRIPTION OF SURFACE SAMPLES TAKEN FROM OUTCROPS WEST OF WASHINGTON NO. 4 COREHOLE

Outcrop No. 1	Siltstone, light gray to dark gray, calcareous, massive to poorly defined bedding. Some reddish brown limonite staining.
Outcrop No. 2	Siltstone, light gray to yellowish gray, calcareous, massive to well defined and irregular bedding.
Outcrop No. 3	Siltstone, light gray and gray, slightly calcareous, well defined bedding. Contains some crossbedding.
Outcrop No. 4	Marlstone, silty, light gray and light brown, well defined and contorted bedding. Some reddish brown limonite staining.

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