

Appendix 4

Data Used for the Map of the Base of the Columbia Formation

	<i>Elevation Base Columbia Fm. (ft NAVD 88)</i>	<i>UTM meters Zone 18 NAD 83</i>	<i>UTM meters Zone 18 NAD 83</i>
DGSID	Elev. Base Qcl	Northing	Easting
Dc41-58	24.2	4383641.3	444020.7
Dc42-37	0.88	4383378.3	445021.7
Dc42-38	4.48	4383158.1	445090.7
Dc42-39	-10.62	4382777.4	445720.1
Dc42-40	-11.66	4383059.1	445629
Dc43-40	NP	4383655	446980
Dc43-42	-6.9	4383630.2	446629.2
Dc43-43	-7	4383656.7	446649
Dc51-03	6.6	4382461.4	443575.6
Dc51-06	-2.7	4383036.921	443480.637
Dc51-12	36	4382477.6	443823.2
Dc51-43	-1	4382995	443020
Dc51-45	20	4383477	443754
Dc51-46	25.8	4382492.2	443913.5
Dc51-47	18.7	4383031.7	444044.4
Dc51-48	<24.6	4383176.8	443575.4
Dc51-49	<27.5	4382468.9	443490.1
Dc52-02	27.1	4382064.8	444346.4
Dc52-04	-11	4382125.7	445464.5
Dc52-05	-2.5	4382028	445333
Dc52-06	-6	4382383.1	445334.2
Dc52-07	-14	4382138.1	445555.1
Dc52-08	22.6	4383357	444771
Dc52-09	21	4383071.5	444532.9
Dc52-10	-14	4382228	445467
Dc52-100	-7.75	4383001.5	445309.5
Dc52-101	10.46	4382887.5	444815.1
Dc52-102	2.62	4382774.3	444920.9
Dc52-103	-18.32	4382759.9	445341.8
Dc52-104	-14.2	4382763.5	445420.2
Dc52-105	-12	4382885.2	445362.4
Dc52-106	-14	4382834.8	445484.2
Dc52-107	-15.67	4382900.3	445535
Dc52-108	-13.91	4382762.2	445463.4
Dc52-109	-2.95	4383075.6	445257.1
Dc52-11	-12	4382216.9	445510
Dc52-110	-12	4381964.9	445632.6
Dc52-111	-12.69	4381749.2	445634.9
Dc52-112	-7.02	4382489	445021.3
Dc52-113	-2.82	4382577.4	445060
Dc52-114	24.48	4382433.1	444611.4
Dc52-115	-1.92	4382400.3	445033.9
Dc52-116	23.44	4381837.7	444642.5

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DGSID	Elev. Base Qcl	Northing	Easting
Dc52-117	21.77	4381935.7	444638.9
Dc52-118	<4.08	4381925.3	445595.3
Dc52-119	-13.04	4382969.1	445356.1
Dc52-12	-13	4382261.1	445510.3
Dc52-120	-9.31	4383062.9	445310
Dc52-121	-4.69	4381824.7	445027.3
Dc52-122	-5.15	4381923.7	445017.8
Dc52-123	24.72	4381724.8	444652.8
Dc52-124	27.35	4382210.2	444615.3
Dc52-125	-16.55	4381738.6	445401.6
Dc52-126	-12	4381815.2	445457
Dc52-128	26.9	4382721	444583.1
Dc52-129	24.5	4383282.9	444754
Dc52-13	-12	4382368.7	445560.7
Dc52-130	26.8	4382613.8	444285.9
Dc52-131	12.3	4382840.1	444237.7
Dc52-132	20.7	4383013.2	444458.9
Dc52-133	24.2	4383203.1	444466.5
Dc52-134	27.1	4383469.9	444496.9
Dc52-137	-16.3	4382971.2	445477.7
Dc52-138	-12.5	4382951.8	445467.1
Dc52-139	-14.6	4382971.3	445440.7
Dc52-14	-11.5	4382544.5	445501.5
Dc52-140	-12.2	4382991.3	445422.3
Dc52-141	-14.5	4382971.3	445400.8
Dc52-142	-15.7	4382958.1	445382.8
Dc52-143	-11.1	4382951.8	445505.8
Dc52-144	-12.7	4383030.9	445455.1
Dc52-145	-12.8	4383031.9	445378
Dc52-146	18.8	4382476.7	444763.6
Dc52-147	2.2	4382489.6	444952.1
Dc52-149	5.7	4382355.5	444867.3
Dc52-15	-13	4382544.3	445535
Dc52-150	-1.6	4382329.9	444968.3
Dc52-151	17.8	4382186.6	444728.5
Dc52-152	-5	4382224.7	444964.3
Dc52-153	9.9	4383044.6	445120.6
Dc52-154	-9	4382808.8	445275
Dc52-16	-11	4382562.8	445501.6
Dc52-165	24.2	4382066.7	444386.5
Dc52-166	24.9	4382219.1	444387.2
Dc52-167	29.5	4382371.4	444387.9
Dc52-168	28.8	4382310	444479.1

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	<i>Elevation Base Columbia Fm. (ft NAVD 88)</i>	<i>UTM meters Zone 18 NAD 83</i>	<i>UTM meters Zone 18 NAD 83</i>
DGSID	Elev. Base Qcl	Northing	Easting
Dc52-169	23.7	4382157.7	444478.4
Dc52-17	-12	4382562.6	445535.1
Dc52-170	33.9	4382370.7	444540.3
Dc52-171	20.6	4382157	444630.7
Dc52-172	23.9	4382218.4	444539.6
Dc52-18	-9.5	4382852	445546.5
Dc52-19	-9	4382852.6	445427.7
Dc52-20	-15	4382897.9	445510.2
Dc52-21	-8.5	4382896.5	445453.5
Dc52-23	25	4382126.5	444380.1
Dc52-26	-12.6	4381765.8	445550.6
Dc52-30	-5.1	4382118.6	445381.8
Dc52-31	-8.6	4382118.9	445384.3
Dc52-32	-3.4	4382119.7	445391.1
Dc52-34	27	4382070	444385
Dc52-37	5.4	4382608.4	444865.9
Dc52-40	35.3	4382562.3	444609.7
Dc52-42	24.8	4381966.7	444603.9
Dc52-48	25	4383063.8	444222
Dc52-49	-18.4	4383443.5	445582.5
Dc52-50	-18	4383536.5	445583.2
Dc52-52	-12.24	4382667	445392.2
Dc52-53	24.5	4381824	444257
Dc52-54	30	4382288	444234
Dc52-56	-12.03	4383279	445414.1
Dc52-66	-8.1	4382961.8	445286.4
Dc52-67	-13	4382969.1	445356.1
Dc52-68	-13.41	4383305	445709.4
Dc52-69	34.69	4382529	444600.6
Dc52-70	16.04	4382558.4	444774.9
Dc52-71	0.46	4382573.3	444888.9
Dc52-72	28.26	4382319.4	444650.6
Dc52-73	-1.8	4382316.9	445004.8
Dc52-74	18.6	4382082.7	444684.2
Dc52-75	-2.8	4382110.5	444824.1
Dc52-76	-3.3	4382094.8	445022.3
Dc52-78	34.04	4382530.4	444603.6
Dc52-79	-11.3	4383279	445402
Dc52-81	-10.1	4383542.9	445292.1
Dc52-84	-2.4	4383075.8	445196.1
Dc52-85	-7.74	4382923.2	445308.7
Dc52-86	0.03	4382779.6	445187.6
Dc52-87	6.74	4382928.2	445059.1

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Data Used for the Map of the Base of the Columbia Formation

	<i>Elevation Base Columbia Fm. (ft NAVD 88)</i>	<i>UTM meters Zone 18 NAD 83</i>	<i>UTM meters Zone 18 NAD 83</i>
DGSID	Elev. Base Qcl	Northing	Easting
Dc52-88	-11.21	4383215.5	445307.2
Dc52-89	-11.17	4383125.6	445480.2
Dc52-90	9.95	4383096.7	444947.7
Dc52-91	9.96	4383095.6	445059.5
Dc52-92	-15.49	4383066	445388.9
Dc52-93	-2.29	4383074.6	445189.5
Dc52-94	-8.19	4382929.3	445303.1
Dc52-95	-3.79	4382777.5	445194.2
Dc52-99	-6.63	4383046.6	445287.1