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TRACE ELEMENT AND MAJOR OXIDE ANALYSES OF SAMPLES FROM THE EAGLE AND TANACROSS QUADRANGLES, EAST-CENTRAL ALASKA

by

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REGIONAL GEOLOGIC SYNTHESIS OF THE YUKON - TANANA UPLAND, EAST-CENTRAL ALASKA

The Yukon-Tanana Upland area in east central Alaska is bounded on the north by the Tintina fault, a major right-lateral strike slip system that juxtaposes relatively unmetamorphosed sedimentary and mafic igneous rocks of the Seventymile terrane against medium- and high-grade metamorphic rocks of the Yukon Crystalline terrane.

Bedrock geology of the Tanacross and Eagle quadrangles in east-central Alaska consists primarily of metamorphic rocks: quartzitic and pelitic gneiss and schist, quartzite, marble, and amphibolite metamorphosed to the amphibolite and epidote-amphibolite facies. The region has been intruded by extensive plutonic bodies and coeval (co-magmatic) volcanic and subvolcanic complexes. In the northern part of the Eagle quadrangle, a subterrane of the Yukon Tanana terrane is dominated by lower greenschist-facies rocks. Foliation and compositional layering have been deformed into tight, asymmetric folds that are locally isoclinal. Wavelength and amplitude range from 0.5 m to several hundred meters. Fold axes have an average trend of N 50° E and generally plunging less than 20° northwest or southeast. A second generation of folding produced open folds with axes trending nearly north-south. The wavelength of these folds is about 0.5 m and their average amplitude is about 10 cm.

Several episodes of igneous activity have been recognized in the eastern part of the Yukon Tanana Uplands. Intrusions at Taylor Mountain (south-central Eagle quadrangle) and at Mount Veta (west-central Eagle quadrangle) have yielded Jurassic K-Argon ages. This igneous event was probably synchronous with early metamorphism. Other Mesozoic igneous rocks in the region include felsic tuffs and associated volcanic rocks of mid Cretaceous age. The volcanic rocks are related to calderas located in the north-central Tanacross and southwestern Eagle quadrangles.

Regional metamorphism throughout the Yukon Tanana Uplands ranges from very low grade (about equivalent to burial metamorphism) to amphibolite facies. The highest regional metamorphic grade documented in the Tanacross and Eagle quadrangles is within a sillimanite gneiss dome; metamorphic grade reaches and probably surpasses the second sillimanite isograd, and partial melting may have occurred (Dusel -Bacon and Foster, 1983). Temperatures between 655°C and 705°C are estimated by garnet- biotite geothermometry. Metamorphic grade decreases to the northeast (into and then below the staurolite stability field) and is garnet grade. The lowest metamorphic grade is found in rocks of the eastern part of the Eagle quadrangle (Seventymile terrane). These rocks

are believed to be in thrust contact with garnet- and staurolite-grade rocks. In the Eagle quadrangle, slightly metamorphosed sedimentary rocks occur with greenstone in thrust sheet remnants of the Seventymile terrane. Contact metamorphism is primarily associated with Tertiary plutons, but in a few places may be associated with Cretaceous plutonism. Around many Tertiary plutons, biotite rosettes occur in the regionally metamorphosed rocks. Contact metamorphism up to sillimanite grade has overprinted staurorite+kyanite-grade regional metamorphism.

Igneous rocks of the Tanacross and Eagle quadrangles range in composition from silicic to mafic and ultramafic and from fine-grained to coarsely porphyritic. Some rocks have intermediate textures suggesting that they are from shallow-intrusions. Also there is considerable gradation from coarse- to fine-textures and also gradation from porphyritic to equigranular textures. The largest areas of igneous intrusion are granodiorites of Mesozoic age. The boundaries of these intrusions are very irregular and many large xenoliths and roof pendants are included.

Eagle district

Gold was discovered in streams of the Eagle (Seventymile) district between 1895 and 1898. The district includes American Creek and its tributaries, Discovery Fork and Teddy's Fork, the Seventymile River and its tributaries, Flume, Alder, Barney, Broken Neck, Crooked and Fox Creeks; and Fourth of July Creek and Washington Creek and its tributaries, which are mostly north of the Yukon River The district has produced at least 30,000 oz of gold and byproduct silver, all from stream and bench placers. Gold alloyed with platinum was found at Fourth of July Creek and the mouth of Broken Neck Creek, and a few platintum nuggets were reportedly recovered from a tributary (Lucky Gulch) to the Seventymile River (Cobb, 1973). Flume, Alder, and American Creeks drain mafic and ultramafic rocks of the Seventymile terrane and quartzite, marble, phyllite and graphitic schist of subterrane. Barney, Brokert Neck, Fox, Crooked, Fourth of July, and Washington Creeks drain mostly sedimentary rocks of Cretaceous and (or) Tertiary age (Foster, 1976; Brabb and Churkin, 1969). Mertie (1938) believed that the sources of the placer gold in streams that drain the Seventymile terrane were quartz veins and mineralized zones that were genetically related to granitic rocks, add work by Clark and Foster (197b) supports this view. Clark and Foster reported anomalous values of gold in hydrothermally altered rocks, including silica carbonate rocks, serpentinite and diorite, and quartz veins adjacent to a northwest- southeast- trending fault zone between Alder and Flume Creeks. They also detected arsenic in soil samples taken across a probable fault that extends northwest-southeast across Teddy's Fork.

Sources of the gold in streams that drain the Cretaceous and (or) Tertiary sedimentary rocks may be paleoplacers (Mertie, 1938), but metamorphic rocks, which underlie the sedimentary rocks, and some dike rocks may also be sources.

Fortymile district

Gold was initially discovered on the Fortymile River in 1886 (Prindle, 1905) and on its tributaries between 1886 and 1895 (Mertie, 1938). Gold production of at least 417,000 oz. (Cobb, 1973) has come mostly from stream and low bench placers; however, a few high bench placers have been worked occasionally. The streams of the Fortymile district drain a diverse group of rocks that include quartz- biotite gneiss and schist, quartzite, marble, and amphibolite of the Yukon Crystalline terrane; quartzite marble, phyllite, graphitic schist, and greenschist of the northern part of the Yukon Crystalline terrane; and serpentinite and associated sedimentary rocks of the Seventymile terrane. Granodiorite, quartz monzonite, quartz diorite, and diorite of the Taylor Mountain batholith and various undifferentiated granitic rocks whose age is thought to be Mesozoic or Tertiary (Foster, 1976) are also present. At least three types of small lode sources of gold are present in the Fortymile district. One type, exemplified by the Purdy (Foster, 1970), Angle, and Tweeden lodes, is gold-bearing quartz + calcite veins in metasedimentary and metavolcanic rocks of the Seventymile terrane and in intermediate composition plutonic rocks that intruded the terrane. Gold has also been detected in altered diorite in the bedrock of Lost Chicken Creek near Chicken and and in metatuff from an outcrop in the South Fork of the Fortymile River. The second type of lode gold occurrence is gold in quartz veins in the southern part of the Yukon Crystalline terrane; Mertie (1938) reported such an occurrence along Jack Wade Creek and thought that the veins were related toa granite intrusion at depth. A third type of gold occurrence is gold in and adjacent to crushed zones and faults. Such zones are thought to be a source of gold in Dome Creek arid Canyon Creeks (Mertie, 1938). The recognition of major thrust faults within the Fortymile regjon (Foster and others, 1984) provides other possible sites of lode concentrations of gold.

The following mineral deposit models have been chosen to estimate the mineral endowment of Evaluation unit 4.

- **Porphyry Cu (reduced-type):** There is moderate to high potential for the occurrence of reduced-type porphyry copper-gold deposits within Evaluation unit 4.
- **Porphyry Cu-Mo ± Au (oxidized):** There is moderate to high potential for the occurrence of Cu-Mo ± Au deposits within Evaluation unit 4.
- **Au-Ag-Te Polymeallic veins:** There is moderate to high potential for the occurrence of precious-metal enriched poly metallic veins within Evaluation unit 4.
- **Volcanic-hosted vein deposits (Creede type):** There is moderate to high potential for the occurrence of Creede-type epithermal vein mineralization associated with felsic volcanic centers within Evaluation unit 4.
- **Intrusive-hosted precious-metal vein systems:** There is moderate to high potential for the occurrence of Intrusive-hosted precious metal vein mineralization in Evaluation unit 4.

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Appendix A - Trace element analyses of samples collected in the Tanacross and Eagle quadrangles.

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			502	505	506	507	508	509	510	511	512	513	514	515	516
		Longitude, west			143.46	143.471	143.473	143.476	143.478	143.479	143.48	143.479	143.478	143.477	143.475	143.47	143.467
		Latitude			63.902	63.9	63.899	63.898	63.897	63.896	63.894	63.891	63.891	63.889	63.888	63.886	63.884
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	-5	-5	-5	-5	-5	-5	-5	-5	-5	15	-5	8	-5
Ag	INAA	PPM	5	300	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	860	230	-200	220	-200	-200	260	-200	-200	-200	-200	-200
Mo	INAA	PPM	2	30000	-2	-2	-2	13	-2	6	11	-2	3	35	3	-2	7
Ni	INAA	PPM	20	30000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Co	INAA	PPM	10	20000	-10	11	-10	-10	19	-10	-10	-10	-10	-10	-10	-10	-10
Cd	INAA	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	2	4	3	10	6	3	16	3	9	58	8	9	4
Sb	INAA	PPM	0.2	9999	1.5	7.3	2.2	2.8	3.1	2.9	4.2	2.6	0.8	1.6	0.7	1.3	0.9
Fe	INAA	PCT	0.5	10	4.7	4.2	4	1.4	6.9	2.1	3.7	3.3	4.8	10	5.5	8.7	2.7
Se	INAA	PPM	10	30000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	1400	1800	1400	2000	1200	850	2100	240	1500	4400	1100	890	1200
Cr	INAA	PPM	50	30000	-50	-50	-50	-50	-50	-50	-50	-50	-50	65	-50	-50	-50
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	-2	4	4	10	6	16	11	-2	5	10	6	5	11
Cs	INAA	PPM	1	10000	-1	-1	2	2	4	3	3	-1	1	6	1	3	1
La	INAA	PPM	5	30000	37	30	35	27	36	60	5	27	39	86	21	35	94
Ce	INAA	PPM	10	30000	93	75	89	71	91	140	13	120	92	200	43	69	210
Sm	INAA	PPM	0.2	2000	5.2	4.9	5.3	3.9	5	5.6	0.6	10	3.4	7.3	1.8	2.9	8.3
Eu	INAA	PPM	2	30000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Tb	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	-1	2	-1	-1	-1	-1	-1
Yb	INAA	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Lu	INAA	PPM	0.5	2000	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	0.8	-0.5	-0.5	-0.5	-0.5	-0.5
Sc	INAA	PPM	0.5	2000	11	10	9.4	3.6	18	4.4	2.1	11	3.2	5.4	2.7	2	4.4
Hf	INAA	PPM	2	30000	4	5	4	3	3	3	4	4	4	5	4	3	4
Ta	INAA	PPM	1	2000	1	1	2	3	-1	2	1	-1	2	2	-1	-1	2
Th	INAA	PPM	0.5	3000	15	14	14	20	11	18	8.1	11	16	22	12	30	10
U	INAA	PPM	0.5	2000	3.5	3.6	3.4	3.6	3	5	2.5	1.6	2.1	3	1.9	2.2	2
Na	INAA	PCT	0.05	10	3.5	2.5	2.6	1.2	2.1	0.12	0.15	3.2	0.18	0.29	0.16	0.12	0.17
Br	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	-1
Rb	INAA	PPM	10	10000	140	150	170	370	410	390	380	47	230	260	210	200	220
Zr	INAA	PPM	500	10000	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	0.7	1	0.5	0.9	1	1.2	3.6	0.7	0.7	1.1	1.1	0.5	0.8
Cu	ICP	PPM	1	20000	2	14	33	48	9	15	4	70	10	37	24	31	6
Pb	ICP	PPM	2	10000													
ZN	ICP	PPM	2	20000	44	561	105	-2	141	28	8	118	-2	13	-2	5	-2
Mo	ICP	PPM	1	20000	4	3	3	7	-1	2	6	-1	-1	40	-1	-1	3
Ni	ICP	PPM	1	20000	6	8	6	5	6	10	2	8	6	3	-1	1	1
Co	ICP	PPM	1	20000	8	5	7	2	16	3	-1	5	-1	1	2	3	2
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Bi	ICP	PPM	5	2000													
As	ICP	PPM	5	2000	12	39	-5	-5	11	-5	5	11	8	35	-5	-5	-5
SB	ICP	PPM	5	2000	-5	9	-5	12	5	-5	7	-5	-5	-5	-5	-5	-5
Fe	ICP	PCT	0.01	10	3.39	3.47	3.45	1.14	5.28	1.64	2.57	2.5	3.69	7.19	4.35	6.33	1.91
Mn	ICP	PPM	5	20000	1343	1431	1304	72	1816	244	238	1011	37	178	163	90	188
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	1307	1609	1298	1573	731	600	653	180	1062	98	838	621	189
CR	ICP	PPM	2	20000	11	9	10	8	18	6	6	14	7	21	6	5	5
V	ICP	PPM	2	2000	73	70	68	4	137	17	4	101	4	18	-2	-2	-2
SN	ICP	PPM	20	2000	-20	-20	-20	-20	26	-20	34	21	-20	24	28	21	27
W	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
LI	ICP	PPM	2	2000	26	23	29	6	43	10	13	18	10	9	10	10	14
GA	ICP	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
LA	ICP	PPM	5	2000	19	22	31	23	15	43	-5	13	24	24	8	12	60
Ta	ICP	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Ti	ICP	PCT	0.01	10	0.28	0.29	0.29	0.05	0.4	0.14	0.07	0.26	0.08	0.14	0.07	0.07	0.07
Al	ICP	PCT	0.01	10	4.14	5.57	7.39	5.67	3.97	4.94	2.6	3.48	3.34	1.99	2.05	1.92	1.14
MG	ICP	PCT	0.01	10	0.79	0.77	0.88	0.05	1.23	0.21	0.2	2.09	0.16	0.16	0.09	0.08	0.09
CA	ICP	PCT	0.01	10	3.71	2.42	2.37	0.06	2.01	0.08	0.07	3.76	0.06	0.06	0.02	0.02	0.02
NA	ICP	PCT	0.01	10	3.11	2.44	2.68	1.25	1.67	0.34	0.19	2.67	0.29	0.31	0.28	0.14	0.2
K	ICP	PCT	0.01	10	1.11	1.33	1.27	1.52	1.23	1.36	1.08	0.46	1.12	1.08	0.97	0.94	0.9
Nb	ICP	PPM	5	2000	16	17	18	22	12	15	10	12	13	14	28	12	14
Sr	ICP	PPM	1	2000	384	298	442	91	411	20	19	303	14	58	11	10	11
Y	ICP	PPM	5	2000	13	16	21	10	14	7	-5	18	6	6	-5	-5	-5
Zr	ICP	PPM	5	2000	19	29	31	48	64	80	56	11	46	64	344	43	43
Pb	AA	PPM	2	10000	4	101	9	13	21	754	32	22	7	25	11	17	6
Bi	AA	PPM	1	2000	-1	-1	-1	-1	-1	-1	5	-1	4	15	6	4	9
PT	FADCP	PPB	5	10000													
PD	FADCP	PPB	1	10000													
Te	AA	PPM	0.2	100	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.7	0.7	-0.2	0.3	0.4
S_Tot	LECO	PCT	0.02	100													
Ag	FA	OPT	0.02	9186													
Zn	TITRE	PCT	0.01	100													
Pb	AA-LL	PCT	0.01	15													
B	OCP	PPM	10	10000	10	11	15	18	17	36	18	10	13	36	19	27	12

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			517	518	519	520	521	522	523	524	525	526	527	528	529
		Longitude, west			143.464	143.461	143.458	143.455	142.844	142.845	142.846	142.847	0	142.851	142.855	142.857	142.857
		Latitude			63.883	63.883	63.884	63.886	63.747	63.745	63.744	63.743		63.742	63.741	63.74	63.739
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	6	53	-5	-5	-5	-5	-5	-5	-5	10	-5	-5	-5
Ag	INAA	PPM	5	300	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	-200	-200	-200	810	-200	-200	-200	230	-200	370	260	-200
Mo	INAA	PPM	2	30000	3	13	-2	14	-2	-2	-2	-2	-2	-2	-2	-2	5
Ni	INAA	PPM	20	30000	-20	-20	-20	21	-20	-20	23	-20	90	-20	-20	-20	-20
Co	INAA	PPM	10	20000	-10	-10	13	29	-10	-10	-10	-10	40	-10	-10	19	-10
Cd	INAA	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	23	180	4	4	5	8	18	24	-1	47	3	2	5
Sb	INAA	PPM	0.2	9999	0.9	0.4	2	1.8	3.2	5.1	4.7	2.8	0.7	2.1	1.7	1.2	1.9
Fe	INAA	PCT	0.5	10	5.7	10	4.2	3.4	4.8	2.1	0.8	3.3	8.6	4.5	3.5	6.5	-0.5
Se	INAA	PPM	10	30000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	1400	110	2900	2200	2300	2900	480	1300	720	1600	1900	990	400
Cr	INAA	PPM	50	30000	-50	-50	66	62	-50	-50	-50	55	310	-50	-50	-50	-50
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	361	-2	-2	-2	-2	3	-2	4	-2	4	3	9	6
Cs	INAA	PPM	1	10000	1	-1	4	2	3	-1	3	2	-1	1	2	5	1
La	INAA	PPM	5	30000	55	6	28	8	38	49	-5	29	27	34	34	36	10
Ce	INAA	PPM	10	30000	110	-10	73	25	88	110	-10	66	71	93	96	99	25
Sm	INAA	PPM	0.2	2000	3.8	0.8	5.6	3.2	6	5.9	0.6	3.8	7.9	4.6	5.5	6.8	1.1
Eu	INAA	PPM	2	30000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Tb	INAA	PPM	1	30000	-1	-1	1	-1	1	-1	-1	-1	1	-1	-1	-1	-1
Yb	INAA	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Lu	INAA	PPM	0.5	2000	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	0.9	-0.5	-0.5	-0.5	-0 5
Sc	INAA	PPM	0.5	2000	3.5	1.6	19	24	18	7 6	1.4	11	27	14	16	22	3 4
Hf	INAA	PPM	2	30000	6	-2	4	3	4	5	-2	3	6	6	6	5	5
Ta	INAA	PPM	1	2000	-1	-1	1	-1	2	2	1	1	1	1	2	1	-1
Th	INAA	PPM	0.5	3000	18	35	10	2.9	17	21	1.3	18	3.6	19	15	10	5
U	INAA	PPM	0.5	2000	2	-0.5	2.8	1.8	5	6.2	1.3	5.6	1.3	5.5	5.2	3.6	1
Na	INAA	PCT	0.05	10	0.17	0.06	1.9	2.3	2	3.1	2.6	2.5	2.6	2.9	1.9	2.1	0.31
Br	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Rb	INAA	PPM	10	10000	190	-10	240	160	150	170	180	190	77	93	110	130	72
Zr	INAA	PPM	500	10000	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	610	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	0.8	-0.5	0.6	0.7	0.6	0.6	0.9	1.1	0.7	-0.5	-0.5	1.1	0.5
Cu	ICP	PPM	1	20000	49	131	28	184	32	58	18	7	25	7	18	58	5
Pb	ICP	PPM	2	10000													
ZN	ICP	PPM	2	20000	-2	11	46	28	512	27	-2	16	71	25	237	82	-2
Mo	ICP	PPM	1	20000	-1	10	-1	8	-1	-1	-1	-1	1	-1	-1	-1	-1
NI	ICP	PPM	1	20000	4	6	25	22	4	5	10	-1	74	10	6	7	5
Co	ICP	PPM	1	20000	1	11	13	26	7	4	2	-1	31	-1	10	15	-1
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	2.2	-2	-2
Bi	ICP	PPM	5	2000													
As	ICP	PPM	5	2000	7	-5	35	12	28	-5	31	-5	37	7	10	-5	-5
SB	ICP	PPM	5	2000	-5	-5	-5	-5	-5	8	-5	-5	-5	-5	-5	-5	-5
Fe	ICP	PCT	0.01	10	4.21	10	3.24	2.94	3.9	1.77	0.7	2.52	8.61	3.23	2.99	4.39	0.48
Mn	ICP	PPM	5	20000	107	163	885	505	1635	445	50	336	1187	555	358	267	170
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	1080	137	2000	456	1926	2000	431	1115	662	413	231	129	347
CR	ICP	PPM	2	20000	8	29	44	30	7	10	9	10	160	16	8	8	29
V	ICP	PPM	2	2000	2	5	121	155	134	36	3	61	140	79	119	156	15
SN	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
W	ICP	PPM	20	2000	127	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	60	-20
LI	ICP	PPM	2	2000	10	5	28	24	26	15	9	14	14	15	20	25	8
GA	ICP	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
LA	ICP	PPM	5	2000	30	-5	16	-5	21	35	-5	18	14	11	15	17	8
Ta	ICP	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Ti	ICP	PCT	0.01	10	0.07	0.02	0.32	0.3	0.44	0.22	0.02	0.29	0.91	0.31	0.34	0.32	0.08
Al	ICP	PCT	0.01	10	2.73	1.2	4.61	3.02	4.22	5.34	5.99	4.31	4.63	2.8	3.18	3.2	1.61
MG	ICP	PCT	0.01	10	0.11	0.02	1.1	0.86	1.17	0.48	0.13	0.56	2.99	0.74	1.13	1.79	0.18
CA	ICP	PCT	0.01	10	0.02	0.07	3.12	2.66	1.88	1.42	0.15	0.9	5.87	1.8	2.88	3.73	0.06
NA	ICP	PCT	0.01	10	0.22	0.63	1.78	1.89	1.87	2.84	2.63	2.3	2.22	2.31	1.78	1.77	0.3
K	ICP	PCT	0.01	10	0.97	0.45	1.55	1.29	1.41	1.26	1.23	1.15	0.83	0.9	1.24	0.8	0.5
Nb	ICP	PPM	5	2000	9	-5	13	7	13	18	9	14	21	11	13	10	-5
Sr	ICP	PPM	1	2000	12	10	432	379	369	435	162	254	395	360	356	487	28
Y	ICP	PPM	5	2000	-5	-5	19	10	16	15	-5	8	20	8	13	10	-5
Zr	ICP	PPM	5	2000	46	24	9	-5	66	114	29	48	109	34	61	61	9
Pb	AA	PPM	2	10000	17	13	23	17	144	41	19	54	3	54	15	7	24
Bi	AA	PPM	1	2000	224	21	-1	-1	-1	-1	2	2	-1	-1	2	1	-1
PT	FADCP	PPB	5	10000													
PD	FADCP	PPB	1	10000													
Te	AA	PPM	0.2	100	1.2	-0.2	-0.2	-0.2	0.4	-0.2	1.2	1.9	-0.2	1.9	0.8	0.7	0.4
S_Tot	LECO	PCT	0.02	100													
Ag	FA	OPT	0 02	9166													
Zn	TITRE	PCT	0.01	100													
Pb	AA-LL	PCT	0.01	15													
B	DCP	PPM	10	10000	13	-10	11	-10	12	-10	13	-10	16	-10	-10	-10	-10

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			530	531	532	533	537	538	539	540	541	542	546	550	551
		Longitude, west			142.859	142.86	142.862	142.863	142.776	142.776	142.776	142.774	142.774	142.773	142.95	0	143.445
		Latitude			63.737	63.737	63.737	63.736	63.613	63.613	63.612	63.612	63.611	63.611	63.585		63.901
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Ag	INAA	PPM	5	300	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	340	-200
Mo	INAA	PPM	2	30000	3	-2	-2	-2	9	29	92	8	49	28	-2	-2	-2
Ni	INAA	PPM	20	30000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	75	-20
Co	INAA	PPM	10	20000	-10	16	14	-10	-10	-10	-10	-10	-10	-10	-10	39	-10
Cd	INAA	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	3	2	30	-1	11	9	66	8	16	12	5	3	-1
Sb	INAA	PPM	0.2	9999	0.4	0.5	0.7	-0.2	0.5	0.5	13	0.6	0.9	0.9	1.7	0.4	0.7
Fe	INAA	PCT	0.5	10	1.9	6.2	5.1	1.1	1.6	1.7	4.8	1.3	2.1	2.2	2	8.9	1.6
Se	INAA	PPM	10	30000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	1400	1800	2100	780	1500	1700	720	2200	2900	1000	1200	880	1400
Cr	INAA	PPM	50	30000	-50	-50	-50	63	-50	-50	-50	-50	-50	-50	-50	310	-50
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	9	-2	3	-2	16	18	10	11	8	11	-2	-2	-2
Cs	INAA	PPM	1	10000	1	3	-1	2	-1	-1	-1	1	-1	-1	7	1	2
La	INAA	PPM	5	30000	24	32	37	27	36	23	9	28	25	13	38	28	34
Ce	INAA	PPM	10	30000	62	77	89	65	90	52	15	64	54	28	100	80	83
Sm	INAA	PPM	0.2	2000	3.4	5.6	6.3	2.8	4.1	3	0.8	2.6	2.4	2.1	6	8	4.5
Eu	INAA	PPM	2	30000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Tb	INAA	PPM	1	30000	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	1	2	-1
Yb	INAA	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	6	-5
Lu	INAA	PPM	0.5	2000	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	0.8	-0.5
Sc	INAA	PPM	0.5	2000	8.6	23	16	4.4	6.3	6.5	2.5	2.8	4.4	5	7.7	28	4
Hf	INAA	PPM	2	30000	3	3	4	10	4	5	3	4	5	4	8	8	4
Ta	INAA	PPM	1	2000	2	-1	2	-1	2	2	-1	-1	1	1	1	-1	2
Th	INAA	PPM	0.5	3000	10	16	18	18	21	10	33	5.6	19	10	27	3.8	26
U	INAA	PPM	0.5	2000	2.8	5.4	5.8	5.8	2.7	2	2.1	2.3	2.6	2.2	7.1	1.2	4.5
Ns	INAA	PCT	0.05	10	0.92	1.8	2.6	0.88	2.4	0.88	0.11	0.12	0.14	0.17	0.11	2.5	3
Br	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Rb	INAA	PPM	10	10000	190	100	130	110	220	240	130	180	150	150	220	55	220
Zr	INAA	PPM	500	10000	-500	-500	-500	700	-500	-500	-500	-500	-500	-500	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	0.6	0.7	-0.5	-0.5	1.4	0.9	0.6	0.7	0.8	0.8	-0.5	0.6	0.8
Cu	ICP	PPM	1	20000	15	36	12	4	28	12	28	26	14	23	14	28	-1
Pb	ICP	PPM	2	10000													
ZN	ICP	PPM	2	20000	-2	38	21	7	-2	3	-2	-2	-2	4	49	75	19
Mo	ICP	PPM	1	20000	-1	-1	-1	-1	2	20	78	3	40	17	45	9	-1
NI	ICP	PPM	1	20000	3	-1	1	4	3	2	-1	4	2	5	18	81	3
Co	ICP	PPM	1	20000	2	14	7	-1	-1	3	-1	-1	2	-1	5	33	5
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	2.8	-2	-2
Bi	ICP	PPM	5	2000													
As	ICP	PPM	5	2000	-5	-5	-5	-5	-5	-5	58	12	-5	-5	38	45	-5
SB	ICP	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	6	-5	-5	-5	-5	-5
Fe	ICP	PCT	0.01	10	1.29	4.32	3.5	0.9	0.99	1.24	3.96	0.97	1.6	1.56	1.15	6.59	1.13
Mn	ICP	PPM	5	20000	48	807	318	274	50	183	110	331	170	218	700	1262	603
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	922	194	107	659	1042	1160	578	1623	2000	772	908	666	1077
CR	ICP	PPM	2	20000	16	20	13	41	12	12	9	9	8	10	21	146	16
V	ICP	PPM	2	2000	53	178	102	23	24	21	3	-2	-2	7	26	143	12
SN	ICP	PPM	20	2000	-20	-20	-20	-20	33	60	22	40	-20	38	-20	-20	-20
W	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
LI	ICP	PPM	2	2000	12	20	13	9	12	13	13	9	12	11	45	15	12
GA	ICP	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
LA	ICP	PPM	5	2000	14	11	11	23	21	13	6	17	14	9	21	15	13
Ta	ICP	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
TI	ICP	PCT	0.01	10	0.16	0.41	0.29	0.2	0.15	0.11	0.03	0.04	0.04	0.03	0.09	0.92	0.11
AI	ICP	PCT	0.01	10	2.68	3.19	2.38	2.59	2.21	2.68	3.11	2.31	2.25	2.38	0.65	4.54	2.01
MG	ICP	PCT	0.01	10	0.37	1.44	1.04	0.29	0.11	0.2	0.07	0.07	0.06	0.1	0.01	2.94	0.14
CA	ICP	PCT	0.01	10	0.34	4.16	2.17	0.14	0.06	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	6.01	0.43
NA	ICP	PCT	0.01	10	0.82	1.51	1.98	0.83	1.73	0.71	0.19	0.15	0.16	0.17	0.13	2.14	2.31
K	ICP	PCT	0.01	10	1.06	0.96	0.97	0.92	1.1	1.12	0.93	0.97	0.97	0.86	1.19	0.91	1.13
Nb	ICP	PPM	5	2000	10	12	9	10	11	12	11	12	13	10	12	24	12
Sr	ICP	PPM	1	2000	103	366	287	104	99	31	17	20	21	16	41	382	157
Y	ICP	PPM	5	2000	6	11	11	-5	6	-5	-5	5	5	6	11	20	13
Zr	ICP	PPM	5	2000	27	28	29	16	27	35	42	37	53	46	35	111	32
Pb	AA	PPM	2	10000	10	9	22	8	24	53	18	18	28	178	63	5	18
Bi	AA	PPM	1	2000	-1	-1	3	-1	36	3	-1	-1	-1	-1	-1	-1	-1
PT	FADCP	PPB	5	10000													
PD	FADCP	PPB	1	10000													
Te	AA	PPM	0.2	100	0.5	0.4	2	-0.2	0.3	0.4	-0.2	0.3	0.3	-0.2	-0.2	-0.2	-0.2
S_Tot	LECO	PCT	0.02	100													
Ag	FA	OPT	0.02	9166													
Zn	TITRE	PCT	0.01	100													
Pb	AA-LL	PCT	0.01	15													
B	DCP	PPM	10	10000	12	-10	-10	12	15	13	23	27	30	13	21	14	10

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			552	553	554	555	556	557	558	559	560	561	562	563	564
		Longitude, west			143.445	143.446	143.419	143.41	143.399	143.391	143.375	143.375	143.375	143.375	143.292	142.81	142.82
		Latitude			63.901	63.896	63.897	63.893	63.888	63.887	63.887	63.887	63 887	63.887	63.982	63.754	63.754
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	-5	-5	-5	-5	-5	-5	-5	8	94	-5	-5	-5	6
Ag	INAA	PPM	5	300	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	640	270	-200	-200	-200	-200	-200	-200	-200	-200	240	-200
Mo	INAA	PPM	2	30000	-2	3	-2	-2	-2	-2	-2	13	4	12	-2	-2	-2
Ni	INAA	PPM	20	30000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Co	INAA	PPM	10	20000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	13	-10
Cd	INAA	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	-1	50	2	4	21	2	12	8	19	41	2	6	19
Sb	INAA	PPM	0.2	9999	0.3	1.6	0.9	0.6	5	1.1	1.8	1.4	3.7	2.3	2.4	2.8	1.3
Fe	INAA	PCT	0.5	10	3.7	5	4.7	0.7	2.6	2.9	4.3	7.4	8.3	10	1.8	5.2	4.1
Se	INAA	PPM	10	30000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	1800	830	1500	3200	2400	580	1500	2600	2800	2100	1900	2200	2900
Cr	INAA	PPM	50	30000	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	2	8	3	36	7	-2	4	3	7	5	-2	4	4
Cs	INAA	PPM	1	10000	2	4	4	1	4	1	1	1	2	2	2	2	2
La	INAA	PPM	5	30000	41	51	29	31	47	23	61	31	41	34	34	37	45
Ce	INAA	PPM	10	30000	94	130	79	78	100	72	130	76	84	73	73	88	110
Sm	INAA	PPM	0.2	2000	4.8	4.6	4.7	2.9	3.9	7	5	2.6	3.6	2.9	3.7	5.5	6.4
Eu	INAA	PPM	2	30000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Tb	INAA	PPM	1	30000	-1	-1	-1	-1	-1	2	-1	-1	-1	-1	-1	-1	-1
Yb	INAA	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Lu	INAA	PPM	0.5	2000	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Sc	INAA	PPM	0.5	2000	8.2	3.3	9	2.2	3.8	8.2	3.7	3.5	2.4	4	3.2	18	16
Hf	INAA	PPM	2	30000	4	4	4	3	4	6	4	4	4	3	4	4	5
Ta	INAA	PPM	1	2000	2	2	2	-1	2	1	2	1	1	1	1	-1	2
Th	INAA	PPM	0.5	3000	19	22	15	17	21	17	17	15	17	16	21	16	21
U	INAA	PPM	0.5	2000	4.3	5.1	8.3	3.2	2.9	2.8	2 3	2.4	2.2	2.4	3.4	5.6	6.9
Na	INAA	PCT	0.05	10	2.7	0.12	2.8	0.34	0.12	3.3	0.2	0.17	0.17	0.13	1.9	2.3	3.9
Br	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Rb	INAA	PPM	10	10000	210	330	260	410	400	53	250	220	210	290	270	120	100
Zr	INAA	PPM	500	10000	610	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	-0.5	2.7	0.9	0 7	1.7	0.7	0.6	0.6	1.5	0.6	0.8	0.7	1
Cu	ICP	PPM	1	20000	3	40	105	25	19	161	8	11	17	23	19	9	31
Pb	ICP	PPM	2	10000													
ZN	ICP	PPM	2	20000	36	349	67	-2	39	46	-2	9	-2	8	34	78	46
Mo	ICP	PPM	1	20000	-1	-1	2	-1	-1	-1	-1	7	-1	5	-1	-1	-1
Ni	ICP	PPM	1	20000	4	1	5	2	6	6	-1	-1	4	5	-1	8	5
Co	ICP	PPM	1	20000	8	-1	5	2	-1	6	-1	2	-1	2	6	15	3
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Bi	ICP	PPM	5	2000													
As	ICP	PPM	5	2000	31	12	9	35	12	-5	16	-5	-5	-5	8	-5	23
SB	ICP	PPM	5	2000	-5	-5	-5	-5	-5	-5	5	-5	-5	-5	-5	-5	-5
Fe	ICP	PCT	0.01	10	3.23	3.5	3 87	0.64	1.97	2.22	3.22	5.19	6.4	6.04	1.47	3.97	3.36
Mn	ICP	PPM	5	20000	1062	708	968	31	232	1316	70	8	121	116	565	1171	629
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	1566	537	1280	2000	1613	425	1036	1865	1779	1481	1387	360	354
CR	ICP	PPM	2	20000	15	9	13	5	4	15	11	9	10	13	22	15	13
V	ICP	PPM	2	2000	48	3	57	-2	-2	40	3	3	-2	4	35	140	106
SN	ICP	PPM	20	2000	-20	-20	-20	-20	38	-20	28	-20	20	41	-20	-20	-20
W	ICP	PPM	20	2000	-20	-20	-20	31	-20	-20	-20	-20	-20	-20	-20	-20	-20
LI	ICP	PPM	2	2000	20	13	31	6	12	23	10	10	9	9	13	23	26
GA	ICP	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
LA	ICP	PPM	5	2000	32	22	23	27	24	7	31	-5	11	5	25	12	13
Ta	ICP	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Ti	ICP	PCT	0.01	10	0.23	0.08	0 26	0.07	0.09	0.24	0.07	0.06	0.06	0.06	0.1	0.38	0.34
Al	ICP	PCT	0.01	10	6.54	2.59	6.03	7.19	1.85	2.19	2.14	0.99	1.82	1.37	4.79	3.35	3.1
MG	ICP	PCT	0.01	10	0.68	0.16	0.77	0.02	0.1	1.03	0.12	0.03	0.07	0.06	0.21	1.22	1.15
CA	ICP	PCT	0.01	10	2.58	0.03	0.73	0.05	0.01	2.89	0.02	-0.01	-0.01	-0.01	1.19	3.03	1.22
NA	ICP	PCT	0.01	10	2.49	0 2	2.45	0.68	0.16	2.59	0.23	0.25	0.19	0.18	1.73	1.93	3 02
K	ICP	PCT	0.01	10	1.33	0.72	1.3	1.59	1.12	0.44	1.15	1.21	1.11	1.25	1.2	1.25	1.32
Nb	ICP	PPM	5	2000	20	13	20	20	11	12	12	14	13	13	18	14	25
Sr	ICP	PPM	1	2000	362	17	237	173	27	354	11	7	9	6	229	345	455
Y	ICP	PPM	5	2000	17	6	14	7	5	14	5	-5	-5	-5	13	12	12
Zr	ICP	PPM	5	2000	50	52	49	63	70	12	43	35	45	39	43	52	332
Pb	AA	PPM	2	10000	9	77	20	29	394	10	9	7	12	8	25	42	55
Bi	AA	PPM	1	2000	-1	2	10	-1	-1	-1	-1	-1	6	3	-1	-1	11
PT	FADCP	PPB	5	10000													
PD	FADCP	PPB	1	10000													
Te	AA	PPM	0.2	100	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	0.4	0.6	1.5	0.7	-0.2	-0 2	2.5
S_Tot	LECO	PCT	0.02	100													
Ag	FA	OPT	0.02	9166													
Zn	TITRE	PCT	0.01	100													
Pb	AA-LL	PCT	0.01	15													
B	DCP	PPM	10	10000	-10	23	11	19	36	11	15	16	14	17	14	10	-10

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			565	566	567	568	569	570	572	573	574	575	576	577	578
		Longitude, west			142.861	142.761	142.76	142.776	142.776	142.776	142.776	142.776	143.099	143.098	143.092	143.092	142.976
		Latitude			63.734	63.769	63.77	63.613	63.613	63.613	63.613	63.613	63.529	63.527	63.528	63.529	63.564
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Ag	INAA	PPM	5	300	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	210	-200	-200	-200	-200	-200
Mo	INAA	PPM	2	30000	4	-2	-2	24	50	32	31	16	-2	-2	-2	-2	-2
Ni	INAA	PPM	20	30000	-20	150	27	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Co	INAA	PPM	10	20000	18	33	24	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Cd	INAA	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	3	-1	47	36	27	13	33	58	6	2	3	5	1
Sb	INAA	PPM	0.2	9999	2.8	0.6	4.5	29	2.7	0.7	3.9	13	2.2	2.6	2 3	1.4	0.8
Fe	INAA	PCT	0.5	10	5.6	4.9	4.3	1.1	2.1	2.3	4.3	4.9	1.8	1.4	1.4	0.7	0.7
Se	INAA	PPM	10	30000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	1500	-100	-100	1100	1700	2900	760	200	2200	2800	2400	1400	1200
Cr	INAA	PPM	50	30000	-50	770	180	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	6	-2	-2	5	11	6	7	-2	-2	-2	-2	-2	-2
Ce	INAA	PPM	1	10000	2	-1	2	-1	-1	-1	-1	-1	4	7	3	4	4
La	INAA	PPM	5	30000	33	-5	-5	20	24	28	17	28	58	63	51	38	19
Ce	INAA	PPM	10	30000	80	22	-10	49	52	60	28	46	140	150	130	95	82
Sm	INAA	PPM	0.2	2000	5.4	4.6	0.8	2.1	2.7	2.1	1.4	1.3	6	6.1	5.1	4.8	3.8
Eu	INAA	PPM	2	30000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Tb	INAA	PPM	1	30000	-1	1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	-1
Yb	INAA	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Lu	INAA	PPM	0.5	2000	-0.5	0.9	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Sc	INAA	PPM	0.5	2000	21	22	21	3.1	5.4	4.9	3.6	3.9	4.7	3.6	3.9	3.4	4 7
Hf	INAA	PPM	2	30000	4	-2	2	4	4	5	4	-2	5	5	4	4	3
Ta	INAA	PPM	1	2000	1	-1	-1	1	1	1	-1	-1	2	2	1	2	2
Th	INAA	PPM	0.5	3000	17	-0.5	-0.5	6.3	18	22	28	10	25	30	26	31	23
U	INAA	PPM	0.5	2000	5.2	-0.5	-0.5	1.8	3.3	2.7	2.4	2	6.7	7.1	5.6	3.3	5.3
Na	INAA	PCT	0.05	10	1.6	0.72	2	0.16	0.13	0.12	0.13	-0.05	3.1	2.2	3	3.4	1 5
Br	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Rb	INAA	PPM	10	10000	110	-10	75	120	190	180	140	49	210	290	160	260	350
Zr	INAA	PPM	500	10000	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	0.7	0.8	0.7	0.7	0.7	0.7	0.7	1.4	0.6	-0.5	-0.5	-0.5	1
Cu	ICP	PPM	1	20000	29	363	23	27	28	24	37	64	3	2	2	1	-1
Pb	ICP	PPM	2	10000													
ZN	ICP	PPM	2	20000	19	5	19	3	-2	10	9	110	31	26	24	19	8
Mo	ICP	PPM	1	20000	-1	1	-1	15	40	23	25	15	-1	-1	-1	-1	-1
NI	ICP	PPM	1	20000	6	167	40	2	10	-1	6	-1	2	7	4	-1	3
Co	ICP	PPM	1	20000	12	32	19	-1	2	3	4	2	4	4	-1	3	3
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Bi	ICP	PPM	5	2000													
As	ICP	PPM	5	2000	-5	-5	19	24	32	-5	52	46	-5	5	39	-5	-5
SB	ICP	PPM	5	2000	-5	-5	-5	16	-5	-5	-5	11	-5	-5	-5	-5	-5
Fe	ICP	PCT	0.01	10	3.83	3.76	3.87	0.87	1.46	1.8	3.65	4.65	1.8	1.36	1.32	0.91	0.43
Mn	ICP	PPM	5	20000	271	696	721	172	343	322	206	269	665	615	472	431	335
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	104	41	117	793	1366	2000	633	206	2000	2000	2000	1266	884
CR	ICP	PPM	2	20000	12	224	111	15	10	7	11	14	20	13	19	16	16
V	ICP	PPM	2	2000	155	124	136	4	-2	-2	7	6	25	19	17	13	-2
SN	ICP	PPM	20	2000	-20	-20	-20	27	53	43	37	26	-20	-20	-20	-20	-20
W	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	97
LI	ICP	PPM	2	2000	11	5	109	16	10	10	13	9	19	24	25	10	33
GA	ICP	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
LA	ICP	PPM	6	2000	11	-5	-5	8	14	11	9	24	43	51	41	31	12
Ta	ICP	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Tl	ICP	PCT	0.01	10	0.29	0.26	0.18	0.03	0.04	0.04	0.06	0.03	0.19	0.16	0.14	0.11	0.06
Al	ICP	PCT	0.01	10	2.74	4.47	4.11	0.81	2.7	1.87	2.39	1.6	6.34	5.95	5.68	4.8	3.32
MG	ICP	PCT	0.01	10	1.46	4.98	2.35	0 05	0.09	0.03	0.1	0.06	0.37	0.27	0.24	0.19	0 02
CA	ICP	PCT	0.01	10	3.16	10	0.87	0.01	0.02	-0.01	0.07	0.05	1.95	1.32	1.16	0.37	0.1
NA	ICP	PCT	0.01	10	1.56	0.81	1 79	0,23	0.24	0.15	0.2	0.09	2.95	2.14	2.85	3.04	1.56
K	ICP	PCT	0.01	10	1.2	0.15	0.59	1.05	1.1	1.01	1.07	0.59	0.83	1.07	1.3	1.1	1.19
Nb	ICP	PPM	5	2000	12	16	6	10	13	13	13	5	23	22	21	21	23
Sr	ICP	PPM	1	2000	329	450	55	21	22	32	22	34	355	294	305	124	49
Y	ICP	PPM	6	2000	11	17	7	-5	6	-5	-5	7	20	20	17	19	15
Zr	ICP	PPM	6	2000	60	12	6	29	85	60	57	17	78	72	67	64	62
Pb	AA	PPM	2	10000	21	-2	4	36	33	36	13	204	12	23	27	19	15
Bi	AA	PPM	1	2000	-1	-1	-1	-1	-1	25	-1	11	-1	-1	-1	-1	-1
PT	FADCP	PPB	5	10000													
PD	FADCP	PPB	1	10000													
Te	AA	PPM	0.2	100	0.3	-0.2	-0.2	0.5	0.3	0.8	0.3	0.8	-0.2	-0.2	-0.2	-0.2	0 3
S_Tot	LECO	PCT	0.02	100													
Ag	FA	OPT	0.02	9166													
Zn	TITRE	PCT	0.01	100													
Pb	AA-LL	PCT	0.01	15													
B	DCP	PPM	10	10000	-10	-10	12	21	16	27	32	25	17	16	15	18	20

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			579	580	581	582	583	595	596	598	599	600	602	603	2483
		Longitude, west			142.976	142.974	142.971	142.965	142.963	141.765	141.758	141.734	141.729	143.061	142.865	142.866	143 48
		Latitude			63.584	63.583	63 585	63.584	63.588	64.775	64.779	64.787	64.785	63.518	63.557	63.558	63.892
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	-5	-5	-5	-5	-5	-5	-5	10	-5	-5	-5	-5	-5
Ag	INAA	PPM	5	300	-5	-5	-5	-5	-5	-100	-100	-100	-100	5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-5	-5	-5	-5	-200	-200	-200	-200
Mo	INAA	PPM	2	30000	-2	-2	-2	-2	-2	-200	350	-200	-200	-2	-2	-2	-2
Ni	INAA	PPM	20	30000	-20	-20	-20	-20	-20	10	-10	-10	-10	21	-20	-20	-20
Co	INAA	PPM	10	20000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Cd	INAA	PPM	10	2000	-10	-10	-10	-10	-10	4	4	14	419	-10	-10	-10	-10
As	INAA	PPM	1	10000	10	5	1	26	3	1.9	4.6	1.4	26.9	7	3	6	4
Sb	INAA	PPM	0.2	9999	27.5	2.1	1.8	2.1	1.5	4.5	3.8	-0.5	8.1	1.4	1.1	3.4	3.8
Fe	INAA	PCT	0.5	10	0.9	-0.5	0.7	1.5	0.9	-10	-10	-10	-10	2.3	0.9	1.8	1.1
Se	INAA	PPM	10	30000	-10	-10	-10	-10	-10	-20	-20	-20	-20	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	1900	2300	330	2700	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	410	500	680	890	1100	-200	-200	-200	-200	1600	1200	1500	1900
Cr	INAA	PPM	50	30000	-50	-50	-50	53	-50	2	1	2	3	-50	-50	-50	-50
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-0.5	0.6	0.9	-0.5	-200	-200	-200	-200
W	INAA	PPM	2	30000	-2	-2	-2	2	-2	5	2	5	95	-2	-2	2	8
Cs	INAA	PPM	1	10000	3	3	2	1	2	26	128	19	30	6	5	2	2
La	INAA	PPM	5	30000	20	6	11	24	30	39	39	-5	20	42	18	24	55
Ce	INAA	PPM	10	30000	84	72	38	66	110	74	193	3	72	110	73	57	110
Sm	INAA	PPM	0.2	2000	5.4	1.1	2.4	4.4	6.4	-1	-1	-1	11	5.2	3.1	3.2	4
Eu	INAA	PPM	2	30000	-2	-2	-2	-2	-2	4	2	8	20	-2	-2	-2	-2
Tb	INAA	PPM	1	30000	1	-1	-1	-1	1	5	3	-1	-1	-1	-1	-1	-1
Yb	INAA	PPM	5	2000	-5	-5	-5	5	-5	5.9	4.7	1	3.3	-5	-5	-5	-5
Lu	INAA	PPM	0.5	2000	-0.5	-0.5	-0.5	0.5	0.7	-2	-2	-2	-2	-0.5	-0.5	-0.5	-0.5
Sc	INAA	PPM	0.5	2000	6.4	2.7	3.9	5 7	5.4	8	6	7	-5	4.1	4.1	6.8	2.5
Hf	INAA	PPM	2	30000	2	4	3	5	3	17	17	12	213	4	3	4	5
Ta	INAA	PPM	1	2000	1	2	2	1	2	-1	-1	-1	-1	1	2	1	1
Th	INAA	PPM	0.5	3000	15	35	24	21	25	-5	-5	-5	18	29	28	19	26
U	INAA	PPM	0.5	2000	7.9	5.9	4.6	5	4.1	2.83	2.71	0.17	6.53	6.1	5.5	4.4	7.5
Na	INAA	PCT	0.05	10	0.1	0.12	0.13	0.16	0.15	770	2285	27	53	3	2.8	2	0.33
Br	INAA	PPM	1	30000	1	-1	-1	-1	-1	-25	-25	-25	-25	-1	-1	-1	-1
Rb	INAA	PPM	10	10000	140	310	330	240	380	1173	1660	227	1998	230	270	180	210
Zr	INAA	PPM	500	10000	-500	-500	-500	-500	-500	-5	-5	-5	-5	-500	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	15	14	23	38	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	1	0 6	0.8	0.8	0.5	0.6	-0.5	-0.5	-0.5	-0.5	-0.5	0.8	0.6
Cu	ICP	PPM	1	20000	-1	-1	-1	-1	1	69	65	12	193	16	4	3	7
Pb	ICP	PPM	2	10000						14	10	2.3	8.8				
ZN	ICP	PPM	2	20000	17	7	15	24	19	-20	-20	-20	-20	40	18	25	21
Mo	ICP	PPM	1	20000	-1	-1	-1	-1	-1	8	6	-2	-2	48	7	-1	-1
NI	ICP	PPM	1	20000	4	5	3	4	3	-20	-20	-20	-20	18	-1	6	6
Co	ICP	PPM	1	20000	1	2	2	2	-1	2	1	-1	-1	4	3	4	4
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	16	15	12	19	2.9	-2	-2	-2
BI	ICP	PPM	5	2000						20	21	12	-10				
As	ICP	PPM	5	2000	-5	52	-5	17	-5	2.1	2.9	0.8	3.7	37	17	-5	-5
SB	ICP	PPM	5	2000	27	-5	-5	-5	-5	9	11	-5	11	6	-5	-5	-5
Fe	ICP	PCT	0.01	10	0.74	0.38	0.52	0.91	0.7	-100	-100	-100	-100	1.48	0.6	1.11	0.68
Mn	ICP	PPM	5	20000	337	171	209	144	72	0.25	0.23	0.03	0.08	453	225	265	269
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	4.15	4.42	0.95	1.33	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	395	392	404	623	850	0.7	0.59	0.05	0.04	1208	881	1058	1205
CR	ICP	PPM	2	20000	14	9	14	15	20	2.07	2.68	0.02	0.03	25	12	9	8
V	ICP	PPM	2	2000	2	-2	-2	-2	-2	2.19	2.12	0.05	0.09	26	11	26	13
SN	ICP	PPM	20	2000	-20	-20	-20	-20	-20	1.6	1.49	0.26	0.28	-20	-20	-20	-20
W	ICP	PPM	20	2000	23	-20	-20	-20	-20	11	10	-5	-5	-20	-20	-20	-20
LI	ICP	PPM	2	2000	55	56	23	20	33	215	281	7	179	24	18	27	12
GA	ICP	PPM	10	2000	-10	-10	-10	-10	-10	3	2.5	-0.05	-0.05	-10	-10	-10	-10
LA	ICP	PPM	5	2000	18	5	9	14	21	10	9	-5	-5	28	8	9	27
Ta	ICP	PPM	5	2000	-5	-5	-5	-5	-5	32	24	13	19	-5	-5	-5	-5
Ti	ICP	PCT	0.01	10	0.03	0.06	0.05	0.06	0.05	10	106	5	17	0.11	0.09	0.13	0.12
Al	ICP	PCT	0.01	10	4.61	6.02	3.4	3.39	4.62	-1	-1	-1	-1	1.25	1.22	1.43	1.49
MG	ICP	PCT	0.01	10	0.02	0.03	0.02	0.02	0.03	-9	-9	-9	-9	0.07	0.02	0.1	0.08
CA	ICP	PCT	0.01	10	0.06	0.04	0.03	0.02	0.05	-1	-1	-1	7	0.07	0.06	0.23	0.13
NA	ICP	PCT	0.01	10	0.34	0.41	0.25	0.22	0.33	180	150	25	34	2.29	2.03	1.52	0.34
K	ICP	PCT	0.01	10	0.88	1.06	1.51	1.55	1.52	-500	-500	-500	-500	0.85	0.74	0.76	0.92
Nb	ICP	PPM	5	2000	18	26	18	16	23	-50	-50	-50	-50	13	14	12	13
Sr	ICP	PPM	1	2000	28	44	17	19	14	2	-2	-2	-2	78	49	75	21
Y	ICP	PPM	5	2000	24	17	18	21	27	-2	-2	-2	11	13	9	9	7
Zr	ICP	PPM	5	2000	66	88	56	57	68	-20	-20	-20	26	37	37	45	61
Pb	AA	PPM	2	10000	48	7	6	8	15	19	16	1.9	2.7	21	11	11	23
Bi	AA	PPM	1	2000	-1	-1	-1	-1	-1	-2	-2	-2	-2	-1	-1	-1	-1
PT	FADCP	PPB	5	10000						84	72	14	45				
PD	FADCP	PPB	1	10000													
Te	AA	PPM	0.2	100	-0.2	0.2	-0.2	-0.2	0.2					-0.2	-0.2	-0.2	-0.2
S_Tot	LECO	PCT	0.02	100													
Ag	FA	OPT	0.02	9166													
Zn	TITRE	PCT	0.01	100													
Pb	AA-LL	PCT	0.01	15													
B	DCP	PPM	10	10000	23	30	21	22	21					25	23	24	31

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			2484	2486	2488	2489	2490	2491	2492	31604	31605	31614	31615	31618	31617
		Longitude, west			143.48	143.48	143.488	143.488	143.488	143.291	143.187	141.729	141.699	142.182	142.15	142.151	142.148
		Latitude			63.892	63.892	63.885	63.885	63.885	63.982	63.718	64.786	64.787	64.684	64.72	64.725	64.731
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	-5	-5	7	-5	24	-5	5	5	260	-5	-5	6	-5
Ag	INAA	PPM	5	300	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	340	480	-200	3300	580	290	-200
Mo	INAA	PPM	2	30000	4	9	5	4	26	4	-2	-2	-2	-2	-2	-2	-2
Ni	INAA	PPM	20	30000	-20	-20	-20	-20	20	26	32	36	-20	-20	-20	-20	-20
Co	INAA	PPM	10	20000	-10	-10	-10	-10	-10	13	12	-10	-10	61	15	-10	-10
Cd	INAA	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	43	7	13	16	248	4	1	82	135	1	1	-1	-1
Sb	INAA	PPM	0.2	9999	3.4	4.6	3	1.1	1.2	2.1	0.9	9.4	113	0.3	0.8	0.3	-0.2
Fe	INAA	PCT	0.5	10	1.3	3.2	4.8	5.3	10	3.3	3.5	9.3	7	10	4.8	2.4	3.6
Se	INAA	PPM	10	30000	-10	-10	-10	-10	10	-10	-10	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	1800	3000	1400	1200	1200	4200	840	390	520	170	1600	430	1400
Cr	INAA	PPM	50	30000	-50	-50	-50	-50	-50	81	51	-50	-50	-50	-50	67	-50
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	17	13	8	7	4	-2	3	8	8	-2	-2	2	3
Cs	INAA	PPM	1	10000	2	2	1	2	-1	5	3	-1	1	-1	1	-1	2
La	INAA	PPM	5	30000	40	55	45	33	9	21	28	20	11	-5	39	41	38
Ce	INAA	PPM	10	30000	94	130	98	70	-10	63	73	25	-10	-10	96	100	98
Sm	INAA	PPM	0.2	2000	3.9	5.4	3.9	2.8	1.3	4.9	4.7	3.8	2.1	6	5.9	5.9	6.1
Eu	INAA	PPM	2	30000	-2	-2	-2	-2	-2	-2	-2	-2	-2	2	3	-2	3
Tb	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	-1	-1	-1	2	-1	-1	1
Yb	INAA	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	7	-5	-5	-5
Lu	INAA	PPM	0.5	2000	-0.5	-0.5	-0.5	-0.5	-0.5	0.5	0.5	-0.5	-0.5	0.9	-0.5	-0.5	-0.5
Sc	INAA	PPM	0.5	2000	3	5.3	2.7	3.1	1.4	17	10	11	6	63.8	16	10	12
Hf	INAA	PPM	2	30000	4	4	2	3	-2	3	4	-2	-2	2	5	16	7
Ta	INAA	PPM	1	2000	1	-1	1	1	-1	-1	1	-1	-1	-1	1	2	2
Th	INAA	PPM	0.5	3000	15	14	17	17	26	5.8	11	2.9	1.7	-0.5	14	20	15
U	INAA	PPM	0.5	2000	4.1	4.2	2.2	2.2	0.7	2.8	2.5	1	1.9	-0.5	2.2	3.1	3.4
Na	INAA	PCT	0.05	10	1	1.5	0.15	0.14	-0.05	1.7	1.6	-0.05	-0.05	2.9	2.6	3.2	2.3
Br	INAA	PPM	1	30000	-1	-1	-1	-1	2	-1	-1	2	9	-1	-1	-1	-1
Rb	INAA	PPM	10	10000	280	330	190	230	37	210	190	14	-10	-10	110	86	140
Zr	INAA	PPM	500	10000	-500	-500	-500	-500	-500	-500	-500	-500	-500	660	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	1.5	0.6	0.8	0.9	4.7	0.7	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Cu	ICP	PPM	1	20000	63	55	7	10	164	63	4	47	55	82	12	9	73
Pb	ICP	PPM	2	10000								20	16	9	21	7	16
ZN	ICP	PPM	2	20000	7	16	5	6	-2	34	208	293	4	2377	322	105	63
Mo	ICP	PPM	1	20000	-1	6	2	3	25	2	-1	-1	2	4	4	1	-1
NI	ICP	PPM	1	20000	8	1	5	6	8	33	20	33	-1	17	3	15	2
Co	ICP	PPM	1	20000	2	2	3	1	3	12	9	5	-1	37	8	5	3
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
BI	ICP	PPM	5	2000								-5	-5	41	11	-5	-5
As	ICP	PPM	5	2000	15	-5	-5	14	167	-5	-5	41	68	-5	15	31	31
SB	ICP	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	72	-5	5	-5	-5
Fe	ICP	PCT	0.01	10	0.74	2.05	3.3	3.92	10	2.75	2.65	8.09	5.36	10	3.65	1.64	2.33
Mn	ICP	PPM	5	20000	32	113	62	50	87	627	1782	436	31	2191	881	373	275
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	1075	1975	889	783	835	2000	645	278	394	159	1115	297	771
CR	ICP	PPM	2	20000	4	9	6	7	23	39	24	30	32	42	9	47	8
V	ICP	PPM	2	2000	4	31	2	3	3	101	56	78	126	583	91	52	61
SN	ICP	PPM	20	2000	28	-20	-20	25	34	-20	-20	-20	-20	62	-20	-20	-20
W	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
LI	ICP	PPM	2	2000	9	12	8	10	7	20	26	9	16	10	26	19	15
GA	ICP	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	13	-10	32	25	16	16
LA	ICP	PPM	5	2000	19	27	16	10	-5	6	12	12	5	-5	12	18	9
Ta	ICP	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-100	-100	-100	-100	-100	-100
Ti	ICP	PCT	0.01	10	0.07	0.14	0.06	0.06	0.02	0.25	0.2	0.1	0.06	2.2	0.32	0.32	0.21
Al	ICP	PCT	0.01	10	1.19	1.29	1.25	1.24	1.44	2.11	2.59	1.8	0.97	6.94	3.41	2.74	2.18
MG	ICP	PCT	0.01	10	0.04	0.17	0.07	0.07	0.02	0.8	2.34	0.02	0.01	3.45	0.8	1	0.47
CA	ICP	PCT	0.01	10	0.02	0.06	-0.01	-0.01	0.05	2.18	4.23	0.08	0.02	5.87	3.14	0.6	1.8
NA	ICP	PCT	0.01	10	0.74	1.24	0.18	0.15	0.61	1.46	1.4	0.11	0.07	2.77	2.17	2.71	1.54
K	ICP	PCT	0.01	10	0.99	1.05	0.79	0.87	0.81	1.06	0.81	0.13	0.12	0.33	1.08	1.1	1.22
Nb	ICP	PPM	5	2000	12	8	11	11	21	10	13	6	-5	-5	10	14	9
Sr	ICP	PPM	1	2000	30	115	8	7	8	246	203	56	32	161	287	79	169
Y	ICP	PPM	5	2000	5	8	-5	-5	-5	11	7	8	-5	37	11	11	7
Zr	ICP	PPM	5	2000	33	49	37	38	35	9	24	26	23	-5	37	33	34
Pb	AA	PPM	2	10000	33	8	15	16	17	13	159	8	9	10	15	6	15
Bi	AA	PPM	1	2000	10	-1	-1	-1	8	-1	-1	-1	-1	-1	-1	-1	-1
PT	FADCP	PPB	5	10000										-9	-9	-9	-9
PD	FADCP	PPB	1	10000										-9	-9	-9	-9
Te	AA	PPM	0.2	100	-0.2	-0.2	0.5	0.3	0.4	-0.2	-0.2	-9	-9	-9	-0.2	-0.2	-9
S_Tot	LECO	PCT	0.02	100													
Ag	FA	OPT	0.02	9166													
Zn	TITRE	PCT	0.01	100													
Pb	AA-LL	PCT	0.01	15													
B	DCP	PPM	10	10000	30	19	20	24	12	16	16						

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			31620	31621	31622	31623	31624	31625	31626	31628	31629	31630	31631	31632	31633
		Longitude, west			142.171	142.168	141.646	141.646	141.646	141.644	141.661	141.658	141.664	141.674	141.686	141.686	141.655
		Latitude			64.813	64.816	64.595	64.593	64.593	64.586	64.579	64.556	64.555	64.551	64.563	64.553	64.654
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	17	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Ag	INAA	PPM	5	300	-5	-5	-5	-5	9	-5	-5	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	970	-200	-200	-200	260	-200	-200	-200
Mo	INAA	PPM	2	30000	-2	-2	-2	-2	-2	12	-2	-2	2	-2	-2	-2	3
Ni	INAA	PPM	20	30000	28	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Co	INAA	PPM	10	20000	17	-10	-10	-10	-10	13	10	-10	19	-10	17	-10	23
Cd	INAA	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	9	3	4	8	42	1	-1	2	-1	1	1	-1	3
Sb	INAA	PPM	0.2	9999	1.3	0.7	0.7	0.6	0.6	0.5	0.3	0.8	0.3	0.5	-0.2	-0.2	1.1
Fe	INAA	PCT	0.5	10	3.2	0.9	2.3	0.8	0.8	4.6	2.6	5.3	1.9	6.3	0.8	-0.5	6.5
Se	INAA	PPM	10	30000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	3900	-100	640	-100	-100	1000	1400	1400	2000	980	-100	-100	1400
Cr	INAA	PPM	50	30000	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	110
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	-2	-2	-2	-2	-2	8	-2	-2	7	-2	-2	-2	-2
Cs	INAA	PPM	1	10000	2	-1	2	-1	-1	2	2	3	2	3	-1	-1	2
La	INAA	PPM	5	30000	13	-5	16	-5	-5	45	43	33	-5	30	-5	6	27
Ce	INAA	PPM	10	30000	48	-10	46	-10	-10	93	100	81	-10	60	-10	-10	68
Sm	INAA	PPM	0.2	2000	4.1	0.5	2.6	0.4	0.3	6.2	6.4	5.2	0.8	5.3	0.2	0.5	4.8
Eu	INAA	PPM	2	30000	-2	-2	-2	-2	-2	-2	-2	2	-2	3	-2	-2	-2
Tb	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Yb	INAA	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Lu	INAA	PPM	0.5	2000	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Sc	INAA	PPM	0.5	2000	15	-0.5	4.7	0.6	-0.5	16	7.9	17	5.3	22	-0.5	-0.5	22
Hf	INAA	PPM	2	30000	4	-2	3	-2	-2	6	4	5	3	5	-2	-2	4
Ta	INAA	PPM	1	2000	-1	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	1
Th	INAA	PPM	0.5	3000	2.7	-0.5	7.2	0.7	-0.5	14	17	13	4	9.2	-0.5	-0.5	12
U	INAA	PPM	0.5	2000	1.7	-0.5	2.5	0.8	0.8	2.2	3.4	3.6	1.4	2.7	-0.5	-0.5	1.7
Na	INAA	PCT	0.05	10	0.27	0.17	0.57	-0.05	-0.05	3.8	2.8	2.1	0.37	2.3	-0.05	-0.05	2.7
Br	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Rb	INAA	PPM	10	10000	120	-10	140	-10	-10	160	200	180	380	120	-10	-10	160
Zr	INAA	PPM	500	10000	-500	-500	-500	-500	-500	660	-500	-500	-500	-500	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	-0.5	-0.5	-0.5	-0.5	7.8	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Cu	ICP	PPM	1	20000	77	11	40	52	497	83	11	15	20	10	90	23	26
Pb	ICP	PPM	2	10000	10	16	24	14	82	294	30	20	57	16	8	4	14
ZN	ICP	PPM	2	20000	83	36	51	32	54	812	112	94	85	65	6	6	76
Mo	ICP	PPM	1	20000	2	5	3	-1	2	12	3	4	4	4	1	1	4
NI	ICP	PPM	1	20000	17	3	5	4	10	3	3	3	2	2	5	3	20
Co	ICP	PPM	1	20000	10	2	6	3	10	7	2	11	3	11	4	-1	17
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	3.8	-2	-2	-2	-2	-2	-2	-2
BI	ICP	PPM	5	2000	6	27	10	-5	-5	-5	10	7	-5	8	-5	-5	12
As	ICP	PPM	5	2000	53	37	42	18	60	-5	33	17	49	-5	8	14	29
SB	ICP	PPM	5	2000	-5	-5	-5	-5	-5	-5	6	-5	-5	-5	-5	-5	-5
Fe	ICP	PCT	0.01	10	2.68	0.58	2.12	0.65	0.65	3.48	1.83	3.78	1.55	4.91	0.71	0.16	4.61
Mn	ICP	PPM	5	20000	1469	1018	382	322	112	2188	464	868	430	1132	11	15	968
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	2000	29	506	36	14	651	924	927	1144	596	22	25	937
CR	ICP	PPM	2	20000	22	5	10	11	12	13	8	13	8	11	18	31	62
V	ICP	PPM	2	2000	108	19	28	3	3	75	35	108	39	127	-2	-2	135
SN	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	22	-20	-20	-20
W	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
LI	ICP	PPM	2	2000	21	-2	11	7	4	18	21	19	15	19	-2	-2	27
GA	ICP	PPM	10	2000	17	23	10	-10	-10	21	20	22	-10	28	-10	-10	21
LA	ICP	PPM	5	2000	9	-5	11	-5	-5	11	18	10	-5	9	-5	6	9
Ta	ICP	PPM	5	2000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
Tl	ICP	PCT	0.01	10	0.28	-0.01	0.1	-0.01	-0.01	0.28	0.16	0.29	0.1	0.38	-0.01	-0.01	0.38
Al	ICP	PCT	0.01	10	4.06	0.24	2.15	0.35	0.22	3.02	2.64	3.95	3.16	3.95	0.17	0.22	5.31
MG	ICP	PCT	0.01	10	1.39	10	0.38	0.07	0.05	0.86	0.35	0.99	0.52	1.28	0.02	0.02	1.8
CA	ICP	PCT	0.01	10	2.66	10	0.83	0.69	0.02	1.86	1.31	3.53	0.26	4.41	0.02	0.01	4.09
NA	ICP	PCT	0.01	10	0.34	0.24	0.51	0.03	0.03	2.85	2.13	1.71	0.31	1.99	0.03	0.02	2.42
K	ICP	PCT	0.01	10	1.42	0.13	0.87	0.1	0.03	1.19	1.64	1.55	1.78	1.24	0.07	0.07	1.56
Nb	ICP	PPM	5	2000	8	7	5	-5	-5	10	10	11	-5	11	-5	-5	10
Sr	ICP	PPM	1	2000	131	224	60	26	2	267	177	275	83	303	3	2	268
Y	ICP	PPM	5	2000	13	-5	7	-5	-5	9	10	10	-5	11	-5	-5	10
Zr	ICP	PPM	5	2000	19	-5	25	-5	-5	-5	38	52	9	52	-5	-5	38
Pb	AA	PPM	2	10000	4	10	21	15	57	333	34	14	52	11	3	-2	8
Bi	AA	PPM	1	2000	-1	-1	-1	-1	-1	-1	-1	-1	-1	3	-1	-1	-1
PT	FADCP	PPB	5	10000	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
PD	FADCP	PPB	1	10000	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
Te	AA	PPM	0.2	100	-0.2	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-0.2
S_Tot	LECO	PCT	0.02	100													
Ag	FA	OPT	0.02	9166													
Zn	TITRE	PCT	0.01	100													
Pb	AA-LL	PCT	0.01	15													
B	DCP	PPM	10	10000													

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			31634	31636A	31636B	31637A	31637B	31638	31663	31668	31669	31670	31672	31673	31674
		Longitude, west			141.646	141.5799	141.5799	141.5704	141.5704	141.585	141.682	141.684	141.686	141.694	141.906	141.915	141.915
		Latitude			64.653	64.66099	64.66099	64.66268	64.66268	64.66	64.684	64.682	64.676	64.675	64.659	64.654	64.654
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Ag	INAA	PPM	5	300	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	220	-200	-200	-200	-200	-200	-200	-200
Mo	INAA	PPM	2	30000	-2	-2	-2	-2	-2	12	-2	-2	-2	-2	-2	-2	-2
Ni	INAA	PPM	20	30000	23	58	52	26	41	29	-20	-20	-20	-20	-20	-20	-20
Co	INAA	PPM	10	20000	-10	11	-10	15	15	47	-10	-10	-10	-10	-10	-10	-10
Cd	INAA	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	3	11	11	30	85	1	10	8	3	10	2	24	10
Sb	INAA	PPM	0.2	9999	2.1	0.8	0.9	8.1	10	0.4	6.2	0.8	0.6	1.1	2.9	1.2	2.3
Fe	INAA	PCT	0.5	10	-0.5	4.2	4.6	3.3	3.4	0.7	4.5	-0.5	0.8	1.8	3.6	-0.5	1.8
Se	INAA	PPM	10	30000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	440	1600	1600	830	1100	830	1500	2600	160	1400	1800	160	1600
Cr	INAA	PPM	50	30000	-50	110	94	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	-2	3	-2	-2	-2	-2	-2	-2	6	-2	-2	-2	-2
Cs	INAA	PPM	1	10000	2	12	11	1	1	-1	-1	-1	23	3	1	-1	4
La	INAA	PPM	5	30000	-5	35	33	-5	6	-5	45	27	-5	44	39	-5	31
Ce	INAA	PPM	10	30000	-10	67	77	-10	-10	-10	100	70	-10	100	85	-10	69
Sm	INAA	PPM	0.2	2000	0.5	5.9	5.8	0.9	1.3	-0.2	5.2	2.2	2.5	3	5.1	0.5	3.5
Eu	INAA	PPM	2	30000	-2	-2	2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Tb	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	1	-1	1	-1	-1	-1	-1
Yb	INAA	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	8	-5	-5	-5	-5
Lu	INAA	PPM	0.5	2000	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Sc	INAA	PPM	0.5	2000	1.7	14	14	4.4	4.8	-0.5	17	1.3	0.8	4.3	11	0.8	4.4
Hf	INAA	PPM	2	30000	-2	6	5	-2	-2	-2	5	3	7	4	6	-2	5
Ta	INAA	PPM	1	2000	-1	1	1	-1	-1	-1	1	-1	19	2	2	-1	1
Th	INAA	PPM	0.5	3000	3.8	11	10	1.9	2.6	-0.5	21	31	20	29	18	2.8	21
U	INAA	PPM	0.5	2000	0.7	3.8	3.1	0.9	0.8	5	3.1	4	8.1	5.6	3.4	0.9	4.3
Na	INAA	PCT	0.05	10	2.2	0.8	0.78	-0.05	-0.05	-0.05	2.6	2.6	1.8	3.5	2.5	0.39	2.5
Br	INAA	PPM	1	30000	-1	-1	-1	-1	2	-1	-1	-1	-1	-1	-1	-1	-1
Rb	INAA	PPM	10	10000	96	240	270	36	40	-10	150	180	1840	170	210	85	290
Zr	INAA	PPM	500	10000	-500	-500	-500	-500	-500	-500	580	-500	-500	-500	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	-0.5	-0.5	-0.5	-0.5	0.6	-0.5	-0.5	1.3	-0.5	-0.5	-0.5	-0.5	-0.5
Cu	ICP	PPM	1	20000	14	38	33	53	67	22	10	103	10	10	10	9	5
Pb	ICP	PPM	2	10000	15	14	18	9	5	5	74	85	63	19	27	15	10
ZN	ICP	PPM	2	20000	18	72	71	50	46	183	134	16	76	37	54	7	39
Mo	ICP	PPM	1	20000	-1	3	-1	-1	2	11	-1	2	2	-1	-1	1	-1
NI	ICP	PPM	1	20000	5	38	37	21	19	28	2	1	3	2	4	1	2
Co	ICP	PPM	1	20000	-1	7	7	12	8	31	8	-1	1	3	6	-1	-1
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
BI	ICP	PPM	5	2000	-5	5	12	-5	-5	20	-5	-5	-5	-5	8	-5	-5
As	ICP	PPM	5	2000	38	19	44	45	73	14	20	42	24	23	37	19	8
SB	ICP	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	8	-5
Fe	ICP	PCT	0.01	10	0.34	3.87	3.55	3.08	2.88	0.66	3.18	0.34	0.48	1.28	2.45	0.17	1.14
Mn	ICP	PPM	5	20000	66	387	328	3200	3767	20000	1185	76	762	295	655	44	273
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	312	1293	1056	686	823	661	1028	1701	111	927	1195	132	1075
CR	ICP	PPM	2	20000	10	91	83	24	21	15	13	5	7	8	13	8	9
V	ICP	PPM	2	2000	9	145	131	30	29	3	98	5	5	34	64	-2	19
SN	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	39	-20	-20	-20	-20
W	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
LI	ICP	PPM	2	2000	32	53	48	15	14	-2	24	4	294	9	18	9	37
GA	ICP	PPM	10	2000	-10	24	24	15	18	39	28	15	26	17	26	10	18
LA	ICP	PPM	5	2000	-5	31	24	-5	-5	-5	13	17	-5	17	14	-5	12
Ta	ICP	PPM	5	2000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
TI	ICP	PCT	0.01	10	0.02	0.39	0.34	0.08	0.08	-0.01	0.28	0.02	0.02	0.11	0.21	0.01	0.13
Al	ICP	PCT	0.01	10	1.76	6.95	5.07	1.49	1.47	0.09	3.53	2.67	2.33	2.96	3.47	1.15	1.81
MG	ICP	PCT	0.01	10	0.09	1.18	1.05	0.05	0.05	-0.01	0.72	0.04	0.04	0.23	0.48	0.02	0.08
CA	ICP	PCT	0.01	10	0.08	0.48	0.38	0.02	0.01	0.02	3.19	0.9	1.11	1.3	2.53	0.08	0.2
NA	ICP	PCT	0.01	10	1.7	0.84	0.71	0.04	0.03	0.03	2.14	2.23	1.49	2.85	1.89	0.32	2.15
K	ICP	PCT	0.01	10	0.83	1.59	1.25	0.37	0.39	0.05	1.31	1.56	1.5	1.58	1.5	0.79	1.53
Nb	ICP	PPM	5	2000	-5	12	13	-5	-5	-5	9	-5	28	8	10	-5	10
Sr	ICP	PPM	1	2000	55	102	86	10	7	88	215	111	31	178	195	13	73
Y	ICP	PPM	5	2000	-5	9	8	-5	-5	-5	10	5	21	5	10	5	7
Zr	ICP	PPM	5	2000	7	81	69	18	18	-5	13	45	48	24	33	6	30
Pb	AA	PPM	2	10000	6	6	6	5	6	4	67	73	34	6	17	5	12
Bi	AA	PPM	1	2000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PT	FADCP	PPB	5	10000	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
PD	FADCP	PPB	1	10000	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
Te	AA	PPM	0.2	100	-0.2	-9	-9	0.7	0.6	-9	-0.2	-0.2	0.3	-0.2	-0.2	0.3	0.6
S_Tot	LECO	PCT	0.02	100													
Ag	FA	OPT	0.02	9166													
Zn	TITRE	PCT	0.01	100													
Pb	AA-LL	PCT	0.01	15													
B	DCP	PPM	10	10000													

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			31675	31677	31678	31679	31681	31683	31687	31688	31692	31694	31695	31696	31697
		Longitude, west			141.92	142.25	142.256	142.264	142.18	142.183	143.114	143.095	142.561	141.521	141.47	141.47	141.573
		Latitude			64.652	64.718	64.709	64.701	64.636	64.634	64.223	64.218	64.399	64.415	64.418	64.418	64.449
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	-5	-5	-5	-5	-5	-5	-5	-5	-5	340	-5	-5	-5
Ag	INAA	PPM	5	300	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	-200	320	-200	240	320	-200	350	-200	-200	200	-200	250
Mo	INAA	PPM	2	30000	2	3	-2	-2	-2	-2	-2	3	-2	-2	-2	-2	-2
Ni	INAA	PPM	20	30000	-20	-20	-20	-20	-20	79	-20	48	-20	-20	300	2000	79
Co	INAA	PPM	10	20000	-10	-10	20	11	24	59	26	34	15	-10	51	120	17
Cd	INAA	PPM	10	2000	-10	-10	11	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	14	17	-1	-1	-1	-1	5	3	2	-1	1	6	-1
Sb	INAA	PPM	0.2	9999	0.6	0.4	0.4	0.6	0.3	0.7	0.9	1.7	0.3	-0.2	1.3	2.3	0.8
Fe	INAA	PCT	0.5	10	1.4	5.5	6 1	4.3	8.1	6.8	8.2	9	3.7	1	4.2	6.5	6.6
Se	INAA	PPM	10	30000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	1100	1400	920	1800	2800	470	400	2000	-100	310	110	130	1500
Cr	INAA	PPM	50	30000	-50	-50	-50	-50	78	920	-50	73	-50	-50	390	3200	300
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	-2	3	-2	-2	-2	2	2	3	-2	-2	-2	-2	3
Cs	INAA	PPM	1	10000	3	2	2	3	-1	-1	1	5	-1	-1	-1	-1	2
La	INAA	PPM	5	30000	59	35	36	40	40	-5	14	12	5	8	-5	-5	22
Ce	INAA	PPM	10	30000	160	94	73	93	94	-10	24	-10	-10	15	-10	-10	57
Sm	INAA	PPM	0.2	2000	6.4	6.7	6.5	5.9	8.1	1.7	4.3	3.8	0.6	0.9	0.5	0.2	6.1
Eu	INAA	PPM	2	30000	-2	-2	4	3	4	-2	2	-2	-2	-2	-2	-2	3
Tb	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1
Yb	INAA	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Lu	INAA	PPM	0.5	2000	-0.5	0.6	-0.5	-0.5	-0.5	-0.5	0.7	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Sc	INAA	PPM	0.5	2000	5	14	18	12	33	71.5	30	34	0.6	2.8	28	12	39
Hf	INAA	PPM	2	30000	6	6	4	6	5	-2	-2	3	-2	-2	-2	-2	5
Ta	INAA	PPM	1	2000	3	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Th	INAA	PPM	0.5	3000	36	9.1	9.5	13	11	-0.5	2.2	1.8	1	2.3	-0.5	-0.5	5.9
U	INAA	PPM	0.5	2000	8	1.7	2	2.5	2.5	-0.5	1	0.8	0.8	0.8	-0.5	-0.5	2.2
Na	INAA	PCT	0.05	10	2.7	2.3	2.7	2.9	1.8	0.37	5	3.5	0.39	0.29	3.8	0.27	2
Br	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Rb	INAA	PPM	10	10000	380	71	93	110	180	94	76	180	-10	18	-10	-10	120
Zr	INAA	PPM	500	10000	520	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Cu	ICP	PPM	1	20000	3	54	38	8	39	14	37	81	8	9	29	19	28
Pb	ICP	PPM	2	10000	37	9	11	13	6	8	17	23	9	5	4	5	12
ZN	ICP	PPM	2	20000	28	60	50	75	120	64	87	120	166	25	43	81	103
Mo	ICP	PPM	1	20000	3	4	1	4	2	6	5	7	7	3	4	2	4
NI	ICP	PPM	1	20000	2	3	4	5	14	66	17	23	12	8	208	1393	39
Co	ICP	PPM	1	20000	-1	8	9	6	17	43	21	26	11	1	30	74	13
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Bi	ICP	PPM	5	2000	5	-5	-5	6	10	38	23	20	29	-5	17	55	24
As	ICP	PPM	5	2000	49	21	-5	46	19	41	23	40	56	19	24	24	62
SB	ICP	PPM	5	2000	-5	10	-5	-5	18	9	-5	-5	-5	-5	-5	-5	9
Fe	ICP	PCT	0.01	10	0.94	3.86	4.27	3.06	6.01	6.04	6.13	6.97	3.14	0.78	2.67	4.81	5.03
Mn	ICP	PPM	5	20000	322	757	265	778	1267	1420	813	1045	1401	58	781	800	828
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	731	134	333	1074	1973	404	234	1381	85	256	131	79	1112
CR	ICP	PPM	2	20000	6	11	13	12	55	659	24	57	13	28	229	1373	201
V	ICP	PPM	2	2000	13	71	100	64	235	205	239	226	83	32	92	42	268
SN	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	23	20	-20	-20	-20	-20	25
W	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
LI	ICP	PPM	2	2000	15	21	22	23	9	13	11	24	32	5	23	-2	32
GA	ICP	PPM	10	2000	19	33	28	25	31	28	29	28	26	14	23	26	37
LA	ICP	PPM	5	2000	31	8	-5	8	9	-5	-5	-5	6	7	-5	-5	7
Ta	ICP	PPM	5	2000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
Ti	ICP	PCT	0.01	10	0.1	0.3	0.34	0.25	0.36	0.19	0.38	0.43	0.01	0.08	0.08	0.01	0.54
Al	ICP	PCT	0.01	10	2.62	2.33	1.89	2.47	2.61	1.94	4.1	5.33	0.77	0.83	3.58	1.17	5.39
MG	ICP	PCT	0.01	10	0.15	0.59	0.76	0.57	1.61	9.75	1.43	2.17	10	0.2	3.21	10	2.49
CA	ICP	PCT	0.01	10	0.59	3.53	2.51	1.69	4.56	10	3.94	4.82	10	0.15	5.63	0.11	3.86
NA	ICP	PCT	0.01	10	2.23	1.88	2.09	2.26	1.48	0.67	4.09	2.86	0.48	0.26	2.9	0.78	2.06
K	ICP	PCT	0.01	10	1.73	0.88	0.9	1.3	1.16	1.25	0.81	1.36	0.17	0.44	0.22	0.34	1.26
Nb	ICP	PPM	5	2000	14	11	10	11	8	5	-5	-5	5	-5	-5	-5	9
Sr	ICP	PPM	1	2000	110	248	178	208	1006	132	305	654	112	19	111	8	558
Y	ICP	PPM	5	2000	11	7	6	8	-5	-5	-5	6	-5	-5	-5	-5	8
Zr	ICP	PPM	5	2000	24	13	31	28	-5	7	-5	-5	10	17	9	19	27
Pb	AA	PPM	2	10000	13	9	20	15	5	3	16	22	7	9	-2	3	7
Bi	AA	PPM	1	2000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PT	FADCP	PPB	5	10000	-9	-9	-9	-9	-9	52	-9	-9	-9	-9	-9	-9	-9
PD	FADCP	PPB	1	10000	-9	-9	-9	-9	-9	46	-9	-9	-9	-9	-9	-9	-9
Te	AA	PPM	0.2	100	0.5	0.5	0 6	-0.2	-9	0.3	-0.2	-9	-0.2	-0.2	-0.2	-0.2	0.6
S_Tot	LECO	PCT	0.02	100						-0.02							
Ag	FA	OPT	0.02	9166													
Zn	TITRE	PCT	0.01	100													
Pb	AA-LL	PCT	0.01	15													
B	DCP	PPM	10	10000													

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			31700	31701	31702	31703	31704	31706	31707	31708	31738	31739	31740	31741	31742
		Longitude, west			141.759	141.734	141.715	141.715	141.7	141.697	141.667	141.667	141.458	141.459	141.458	141.445	141.435
		Latitude			64.776	64.772	64.77	64.77	64.769	64.776	64.765	64.765	64.571	64.571	64.523	64.524	64.526
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	-5	19	7	-5	9	-5	8	-5	-5	-5	-5	-5	-5
Ag	INAA	PPM	5	300	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	-200	260	-200	380	270	-200	-200	-200	-200	-200	-200	300
Mo	INAA	PPM	2	30000	3	-2	-2	-2	-2	-2	-2	-2	-2	-2	2	33	-2
Ni	INAA	PPM	20	30000	-20	36	27	-20	-20	24	36	-20	1600	-20	-20	100	93
Co	INAA	PPM	10	20000	-10	18	18	-10	14	-10	-10	-10	110	-10	-10	15	56
Cd	INAA	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	2	18	16	4	122	25	15	-1	7	5	436	5	5
Sb	INAA	PPM	0.2	9999	1	3	2.3	0.4	20	54.8	5.2	0.9	2.4	0.9	31.4	1	0.8
Fe	INAA	PCT	0.5	10	1.9	5.1	5.8	4.2	5.6	5.9	1.6	1.1	4.2	-0.5	5.4	4.8	9.2
Se	INAA	PPM	10	30000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	2500	1100	1200	1500	1100	530	3100	620	570	2700	580	2300	150
Cr	INAA	PPM	50	30000	-50	170	110	-50	130	-50	68	-50	2900	-50	-50	120	310
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	-2	3	5	8	-2	5	-2	-2	-2	3	3	-2	-2
Ce	INAA	PPM	1	10000	4	9	4	5	9	2	2	1	2	1	3	7	2
La	INAA	PPM	5	30000	45	37	49	31	42	10	40	-5	-5	71	13	35	14
Ce	INAA	PPM	10	30000	100	87	110	62	90	22	92	-10	-10	160	28	78	39
Sm	INAA	PPM	0.2	2000	7	6.3	7.9	3.9	6.2	2	6.6	0.3	-0.2	8.7	2.5	6.1	6.8
Eu	INAA	PPM	2	30000	-2	-2	2	-2	-2	-2	-2	-2	-2	-2	-2	3	3
Tb	INAA	PPM	1	30000	1	1	1	-1	1	-1	1	-1	-1	-1	-1	-1	2
Yb	INAA	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	5
Lu	INAA	PPM	0.5	2000	-0.5	-0.5	-0.5	-0.5	0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	1.1
Sc	INAA	PPM	0.5	2000	4.2	19	22	11	18	4.9	7.8	0.9	6	3.2	6.4	14	46
Hf	INAA	PPM	2	30000	6	10	11	5	12	-2	4	-2	-2	10	-2	6	5
Ta	INAA	PPM	1	2000	2	3	2	1	2	-1	-1	-1	-1	2	-1	-1	-1
Th	INAA	PPM	0.5	3000	20	20	19	17	20	2.5	5.1	0.6	-0.6	31	4	11	1.2
U	INAA	PPM	0.5	2000	3.7	4.2	4.7	3.4	5.4	0.6	3.4	-0.5	-0.5	7	1.6	6.2	-0.5
Na	INAA	PCT	0.05	10	3.2	2.2	2	2.6	2.1	-0.05	0.07	-0.05	0.15	1.6	-0.05	0.7	3.3
Br	INAA	PPM	1	30000	-1	1	-1	-1	6	4	-1	-1	-1	-1	9	-1	-1
Rb	INAA	PPM	10	10000	210	180	150	200	170	31	89	47	16	350	59	120	25
Zr	INAA	PPM	500	10000	-500	-500	-500	-500	530	-500	-500	-500	-500	-500	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	1.2	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Cu	ICP	PPM	1	20000	2	38	32	4	30	151	76	25	12	6	197	108	29
Pb	ICP	PPM	2	10000	33	47	43	29	62	28	32	36	6	19	42	6	7
ZN	ICP	PPM	2	20000	19	90	111	53	200	137	61	29	46	7	74	70	103
Mo	ICP	PPM	1	20000	6	1	-1	3	1	-1	2	-1	5	4	6	35	5
Ni	ICP	PPM	1	20000	-1	17	22	5	23	12	24	3	1167	8	18	78	70
Co	ICP	PPM	1	20000	-1	9	9	6	9	-1	-1	-1	79	-1	-1	12	29
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Bi	ICP	PPM	5	2000	-5	14	7	6	8	-5	-5	-5	23	-5	-5	15	31
As	ICP	PPM	5	2000	-5	18	14	36	56	12	19	13	15	37	311	28	27
SB	ICP	PPM	5	2000	-5	-5	-5	-5	15	16	-5	-5	14	-5	20	-5	-5
Fe	ICP	PCT	0.01	10	1.32	3.44	4.19	3.16	3.79	4.45	1.32	0.93	3.61	0.23	5.51	3.99	6.94
Mn	ICP	PPM	5	20000	189	612	525	536	557	59	54	71	583	14	32	539	1443
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	1681	837	974	1025	824	358	2000	472	447	1769	412	302	139
CR	ICP	PPM	2	20000	10	136	80	18	89	19	52	17	1919	17	41	87	159
V	ICP	PPM	2	2000	9	122	137	64	117	28	127	11	20	4	42	199	281
SN	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	20	-20	36
W	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
LI	ICP	PPM	2	2000	8	27	24	28	29	13	10	6	16	-2	17	26	8
GA	ICP	PPM	10	2000	15	19	18	19	20	-10	12	-10	24	13	13	26	35
LA	ICP	PPM	5	2000	9	11	15	-5	11	-5	34	-5	-5	27	9	10	7
Ta	ICP	PPM	5	2000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
Ti	ICP	PCT	0.01	10	0.08	0.44	0.47	0.25	0.47	0.07	0.19	0.02	-0.01	0.1	0.09	0.34	1.03
Al	ICP	PCT	0.01	10	5.29	2.32	3.29	4.56	2.6	1.28	3.14	1.43	0.49	1.95	1.25	3.37	6.71
MG	ICP	PCT	0.01	10	0.1	1.01	1.02	0.64	0.92	0.04	0.32	0.18	10	0.04	0.04	1	3.48
CA	ICP	PCT	0.01	10	1.18	1.21	1.31	2.58	0.91	0.02	0.03	0.02	1.79	0.02	0.03	4.13	7.34
NA	ICP	PCT	0.01	10	2.61	1.7	1.61	2.32	1.53	0.07	0.13	0.05	0.32	1.47	0.07	0.82	2.94
K	ICP	PCT	0.01	10	1.65	1.25	1.22	1.39	1.3	0.27	1.01	0.45	0.21	2.17	0.45	1.09	0.35
Nb	ICP	PPM	5	2000	12	15	15	10	16	-5	5	-5	-5	17	-5	12	11
Sr	ICP	PPM	1	2000	165	163	184	145	147	35	49	6	316	46	41	248	275
Y	ICP	PPM	5	2000	10	9	13	5	9	-5	13	-5	-5	-5	-5	11	18
Zr	ICP	PPM	5	2000	75	40	58	38	68	12	48	-5	8	127	21	48	-5
Pb	AA	PPM	2	10000	7	25	32	8	46	8	16	24	5	18	40	10	9
Bi	AA	PPM	1	2000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PT	FADCP	PPB	5	10000									-9	-9	-9	-9	-9
PD	FADCP	PPB	1	10000									-9	-9	-9	-9	-9
Te	AA	PPM	0.2	100	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	0.3	0.5	0.3
S_Tot	LECO	PCT	0.02	100													
Ag	FA	OPT	0.02	9168													
Zn	TITRE	PCT	0.01	100													
Pb	AA-LL	PCT	0.01	15													
B	DCP	PPM	10	10000													

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			31743	31744	31746	31747	31750	31751	31753	31754	31755	31756	31757	31758	31759
		Longitude, west			141.428	141.425	141.878	142.196	142.252	142.272	141.525	141.559	141.552	141.552	141.549	141.552	141.552
		Latitude			64.524	64.527	64.607	64.799	64.786	64.787	64.59	64.57	64.56	64.56	64.557	64.551	64.551
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	-5	-5	-5	-5	70	-5	-5	-5	-5	-5	-5	-5	-5
Ag	INAA	PPM	5	300	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	310	-200
Mo	INAA	PPM	2	30000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Ni	INAA	PPM	20	30000	-20	-20	26	34	-20	49	-20	52	140	79	-20	110	36
Co	INAA	PPM	10	20000	12	14	-10	10	13	30	22	27	58	30	-10	32	24
Cd	INAA	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	6	12	1	-1	3	57	6	11	7	9	3	-1	2
Sb	INAA	PPM	0.2	9999	0.6	0.6	0.5	0.2	1.7	1.1	5.2	1	1.4	1.7	1.7	0.3	0.7
Fe	INAA	PCT	0.5	10	3.6	6.1	0.8	3.5	3	8.6	6.4	8.3	10	7.1	2.8	8.2	6.2
Se	INAA	PPM	10	30000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	1200	1800	140	3300	1400	2900	3400	4600	-100	680	2000	1100	200
Cr	INAA	PPM	50	30000	-50	-50	-50	100	-50	190	68	150	240	200	-50	140	-50
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	-2	-2	-2	2	-2	-2	-2	3	-2	-2	-2	3	-2
Cs	INAA	PPM	1	10000	11	4	3	4	3	14	2	5	-1	8	2	11	3
La	INAA	PPM	5	30000	24	38	7	28	46	76	16	42	60	78	38	91	25
Ce	INAA	PPM	10	30000	54	90	-10	62	97	180	16	110	130	170	96	210	59
Sm	INAA	PPM	0.2	2000	4.8	5.7	1.3	4.8	8.4	14	2	6.7	14	11	5.7	13	4.4
Eu	INAA	PPM	2	30000	2	-2	-2	2	-2	-2	-2	-2	6	-2	-2	4	-2
Tb	INAA	PPM	1	30000	-1	-1	-1	-1	-1	2	-1	-1	2	2	-1	2	-1
Yb	INAA	PPM	5	2000	-5	-5	6	-5	-5	6	-5	-5	-5	6	-5	-5	-5
Lu	INAA	PPM	0.5	2000	-0.5	-0.5	0.6	-0.5	-0.5	0.7	-0.5	-0.5	0.6	-0.5	-0.5	0.6	-0.5
Sc	INAA	PPM	0.5	2000	16	17	1.9	12	2.9	29	30	21	34	20	8.1	24	5.9
Hf	INAA	PPM	2	30000	6	6	3	4	6	8	-2	8	13	3	5	7	3
Ta	INAA	PPM	1	2000	-1	-1	-1	1	1	3	-1	2	5	2	1	2	-1
Th	INAA	PPM	0.5	3000	9.4	13	2.8	10	16	21	7.8	21	6.2	19	16	29	8.4
U	INAA	PPM	0.5	2000	4	3.4	2	2.8	4.2	5.2	1.2	4	1.9	4.9	4.7	4.2	1
Na	INAA	PCT	0.05	10	0.45	2.3	4.3	1	1.8	1.1	4.4	1.1	1.4	1.6	3.5	0.42	0.24
Br	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Rb	INAA	PPM	10	10000	17	110	200	170	150	440	36	390	30	200	220	380	45
Zr	INAA	PPM	500	10000	-500	-500	-500	-500	-500	-500	-500	-500	700	-500	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Cu	ICP	PPM	1	20000	90	38	5	47	9	43	23	46	46	68	8	111	113
Pb	ICP	PPM	2	10000	14	19	25	17	15	12	5	4	4	19	15	7	20
ZN	ICP	PPM	2	20000	63	83	10	68	18	96	14	91	82	93	49	128	116
Mo	ICP	PPM	1	20000	7	5	1	5	5	5	12	5	9	4	3	6	2
NI	ICP	PPM	1	20000	27	5	18	24	4	40	18	47	93	74	4	76	44
Co	ICP	PPM	1	20000	7	9	-1	4	10	18	14	17	30	22	3	25	14
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Bi	ICP	PPM	5	2000	17	22	-5	6	10	15	10	8	42	13	8	7	17
As	ICP	PPM	5	2000	26	-5	21	15	50	31	11	19	25	40	18	-5	-5
SB	ICP	PPM	5	2000	10	-5	-5	-5	-5	-5	-5	7	-5	5	-5	-5	6
Fe	ICP	PCT	0.01	10	2.49	4.32	0.41	2.81	2.38	6.11	5.41	4.77	10	5.89	2.02	6.47	5.1
Mn	ICP	PPM	5	20000	542	268	631	374	232	849	198	260	1805	2605	495	1181	2430
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	287	71	117	2000	972	1234	2000	2000	128	488	1404	762	158
CR	ICP	PPM	2	20000	47	17	21	64	12	125	53	112	148	122	9	102	31
V	ICP	PPM	2	2000	94	92	-2	97	4	155	170	97	303	87	34	105	32
SN	ICP	PPM	20	2000	-20	-20	-20	-20	-20	24	-20	23	58	-20	-20	-20	-20
W	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
LI	ICP	PPM	2	2000	19	30	9	30	20	115	31	39	17	31	28	58	20
GA	ICP	PPM	10	2000	23	26	23	18	26	35	28	38	40	38	20	42	25
LA	ICP	PPM	5	2000	8	7	-5	20	23	-5	5	7	39	21	11	60	14
Ta	ICP	PPM	5	2000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
TI	ICP	PCT	0.01	10	0.28	0.32	-0.01	0.28	0.05	0.78	0.29	0.47	2.38	0.5	0.19	0.47	0.1
AI	ICP	PCT	0.01	10	3.57	4.28	5.81	5.07	2.14	2.97	3.83	4.55	6.27	6.13	4.88	10	3.25
MG	ICP	PCT	0.01	10	1.31	1.04	0.2	1	0.1	0.84	2.52	1.17	4.61	1.08	0.46	2.87	1.99
CA	ICP	PCT	0.01	10	5.4	2.95	0.86	0.54	0.34	0.51	0.19	0.08	7.71	6.17	0.87	0.71	2.19
NA	ICP	PCT	0.01	10	0.54	1.9	3.94	0.82	1.93	1.24	4.21	1.12	1.73	1.72	3.06	0.92	0.42
K	ICP	PCT	0.01	10	0.14	1.01	1.53	1.8	1.26	1.59	1.11	1.84	0.5	1.46	1.59	2.27	0.69
Nb	ICP	PPM	5	2000	12	11	-5	10	11	27	-5	17	58	21	13	20	6
Sr	ICP	PPM	1	2000	228	296	48	133	45	58	46	24	448	333	289	52	71
Y	ICP	PPM	5	2000	8	7	11	11	8	-5	-5	-5	18	12	9	9	8
Zr	ICP	PPM	5	2000	36	44	31	17	54	-5	31	67	-5	62	104	98	21
Pb	AA	PPM	2	10000	22	22	6	6	12	8	14	6	8	15	16	7	20
Bi	AA	PPM	1	2000	-1	-1	-1	-1	3	-1	-1	-1	-1	-1	-1	-1	-1
PT	FADCP	PPB	5	10000	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
PD	FADCP	PPB	1	10000	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
Te	AA	PPM	0.2	100	0.4	-0.2	-0.2	-0.2	0.6	-0.2	-9	-9	-9	-0.2	-9	-9	-9
S_Tot	LECO	PCT	0.02	100													
Ag	FA	OPT	0.02	9166													
Zn	TITRE	PCT	0.01	100													
Pb	AA-LL	PCT	0.01	15													
B	DCP	PPM	10	10000													

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			31761	31762	31763	31764	31765	31766	31767	31768	31769	31770	31772	31773	31774
		Longitude, west			141.654	141.642	141.594	141.568	141.568	141.568	141.568	141.568	141.568	141.568	141.122	141.122	141.368
		Latitude			64.621	64.625	64.612	64.607	64.607	64.607	64.607	64.607	64.607	64.607	64.317	64.317	64.668
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	24
Ag	INAA	PPM	5	300	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	-200	230	-200	-200	-200	-200	-200	-200	-200	-200	280	-200
Mo	INAA	PPM	2	30000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	4	-2	-2
Ni	INAA	PPM	20	30000	85	-20	-20	2280	2900	1900	2100	2220	140	2910	-20	490	51
Co	INAA	PPM	10	20000	33	-10	-10	140	170	96	99	120	37	150	-10	71	22
Cd	INAA	PPM	10	2000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	1	3	2	-1	-1	20	4	5	2	22	2	-1	13
Sb	INAA	PPM	0.2	9999	1.9	1.5	2.5	1.3	0.2	34.1	9.2	12	4.2	11	0.3	-0.2	2.1
Fe	INAA	PCT	0.5	10	7.7	1.3	2.6	8.9	8.1	4.5	4.6	5.2	1.5	6.4	0.5	6.6	4
Se	INAA	PPM	10	30000	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	1600	1700	2100	-100	-100	130	-100	350	-100	-100	3300	-100	110
Cr	INAA	PPM	50	30000	170	-50	-50	2900	4400	2600	2600	2700	54	4200	-50	2200	59
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	-2	-2	-2	-2	-2	-2	-2	-2	2	-2	-2	-2	2
Cs	INAA	PPM	1	10000	2	4	4	-1	-1	17	37	7	-1	2	-1	-1	-1
La	INAA	PPM	5	30000	22	29	44	-5	-5	-5	-5	-5	-5	-5	-5	-5	16
Ce	INAA	PPM	10	30000	-10	63	100	-10	-10	-10	-10	-10	-10	-10	-10	-10	34
Sm	INAA	PPM	0.2	2000	4.7	3.1	5.7	-0.2	-0.2	-0.2	-0.2	-0.2	0.7	-0.2	0.6	1.1	3
Eu	INAA	PPM	2	30000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Tb	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Yb	INAA	PPM	5	2000	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Lu	INAA	PPM	0.5	2000	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Sc	INAA	PPM	0.5	2000	25	3.7	8.2	14	13	7.4	7.1	7.8	5.7	15	3.7	72.1	5.8
Hf	INAA	PPM	2	30000	3	8	7	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Ta	INAA	PPM	1	2000	-1	2	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Th	INAA	PPM	0.5	3000	7.3	25	19	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	0.6	1.1	-0.5	2.6
U	INAA	PPM	0.5	2000	2.1	9.2	4.1	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	1	-0.5	-0.5
Na	INAA	PCT	0.05	10	1.8	2.2	2.8	0.25	0.3	0.19	0.22	0.24	0.15	0.26	6.44	0.45	0.54
Br	INAA	PPM	1	30000	-1	-1	-1	-1	-1	3	-1	1	-1	2	-1	-1	-1
Rb	INAA	PPM	10	10000	92	280	270	-10	-10	25	20	-10	-10	-10	40	21	-10
Zr	INAA	PPM	500	10000	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Cu	ICP	PPM	1	20000	33	6	7	7	8	9	12	17	138	8	16	26	91
Pb	ICP	PPM	2	10000	9	34	68	10	10	5	10	8	6	11	7	5	45
ZN	ICP	PPM	2	20000	82	36	118	44	46	50	48	46	17	71	16	52	34
Mo	ICP	PPM	1	20000	8	2	3	6	5	2	3	4	3	7	3	6	1
NI	ICP	PPM	1	20000	46	4	3	1587	1916	1269	1498	1517	98	2102	9	384	47
Co	ICP	PPM	1	20000	24	2	4	90	97	64	68	76	25	103	3	49	17
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Bi	ICP	PPM	5	2000	31	-5	-5	46	38	32	34	36	36	29	-5	20	19
As	ICP	PPM	5	2000	48	27	35	63	41	41	42	55	24	70	28	43	28
SB	ICP	PPM	5	2000	8	-5	-5	25	-5	34	-5	25	11	18	10	21	-5
Fe	ICP	PCT	0.01	10	5.38	1.04	1.8	6.48	5.68	3.56	3.42	3.56	1.04	4.87	0.59	4.51	3.32
Mn	ICP	PPM	5	20000	1074	258	478	896	744	511	543	582	2742	899	245	872	2765
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	1165	1131	1415	33	30	110	66	236	49	41	2000	111	60
CR	ICP	PPM	2	20000	124	13	11	904	1041	1060	1077	984	26	1433	20	884	29
V	ICP	PPM	2	2000	160	19	30	38	37	31	24	23	22	40	37	173	10
SN	ICP	PPM	20	2000	-20	-20	-20	22	23	-20	-20	-20	-20	22	-20	-20	-20
W	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
LI	ICP	PPM	2	2000	35	26	41	-2	-2	78	9	11	4	-2	-2	2	-2
GA	ICP	PPM	10	2000	29	19	22	41	38	22	29	31	21	39	18	27	-10
LA	ICP	PPM	5	2000	7	10	8	-5	-5	-5	-5	-5	-5	-5	-5	-5	14
Ta	ICP	PPM	5	2000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
Ti	ICP	PCT	0.01	10	0.63	0.12	0.22	0.02	0.02	0.01	0.02	0.01	0.06	0.01	0.07	0.17	0.03
Al	ICP	PCT	0.01	10	4.99	3.31	3.03	1.32	1.22	0.58	0.74	0.79	1.12	1.18	9.12	2.17	0.82
MG	ICP	PCT	0.01	10	2.15	0.21	0.22	10	10	10	10	10	10	10	0.7	10	1.48
CA	ICP	PCT	0.01	10	5.11	0.4	0.46	0.06	0.07	5.79	2.42	2.09	10	0.16	1.84	10	3.41
NA	ICP	PCT	0.01	10	1.71	1.97	2.33	0.55	0.62	0.12	0.34	0.39	0.39	0.63	7.06	0.7	0.47
K	ICP	PCT	0.01	10	1.24	2.33	1.75	0.31	0.31	0.14	0.21	0.19	0.19	0.29	1.01	0.41	0.08
Nb	ICP	PPM	5	2000	11	12	12	-5	-5	-5	-5	-5	6	-5	8	5	-5
Sr	ICP	PPM	1	2000	361	117	131	6	6	859	546	523	2000	23	656	231	253
Y	ICP	PPM	5	2000	7	7	9	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Zr	ICP	PPM	5	2000	57	56	88	10	15	-5	-5	7	-5	14	35	9	10
Pb	AA	PPM	2	10000	6	35	68	5	4	5	4	5	6	4	5	3	45
Bi	AA	PPM	1	2000	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PT	FADCP	PPB	5	10000	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9		-9	
PD	FADCP	PPB	1	10000	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9		-9	
Te	AA	PPM	0.2	100	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
S_Tot	LECO	PCT	0.02	100													
Ag	FA	OPT	0.02	9166													
Zn	TITRE	PCT	0.01	100													
Pb	AA-LL	PCT	0.01	15													
B	DCP	PPM	10	10000													

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			31775	31808	31809	31811	31812	31813	31908	31909	31910	31914	31915	31916	31917
		Longitude, west			141.368	141.401	141.417	141.401	141.642	141.633	141.552	141.747	141.902	141.368	141.368	141.368	141.368
		Latitude			64.668	64.521	64.512	64.521	64.459	64.455	64.66	64.442	64.415	64.668	64.668	64.668	64.668
			Limits														
Element	Method	Units	Lower	Upper													
Au	INAA	PPB	5	10000	-5	806	-5	8	-5	-5	-5	-5	-5	-5	-5	-5	13
Ag	INAA	PPM	5	300	-5	-100	-5	9	-5	-5	-5	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	-1600	300	-200	-200	-200	-200	-200	-200	-200	-200	-200	220
Mo	INAA	PPM	2	30000	8	-81	3	2	3	-2	-2	-2	6	-2	-2	-2	-2
NI	INAA	PPM	20	30000	23	-610	46	-20	-20	-20	-20	-20	35	-20	-20	1700	28
Co	INAA	PPM	10	20000	-10	-68	26	-10	13	-10	-10	-10	-10	-10	-10	95	16
Cd	INAA	PPM	10	2000	-10	-350	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	2	10000	433	281	17	8	2	8	3	1	2	1	4
Sb	INAA	PPM	0.2	9999	1.8	399	6.2	35.8	1.5	0.3	0.4	1.4	-0.2	0.8	2.5	0.6	0.6
Fe	INAA	PCT	0.5	10	1.8	-9	7.1	0.7	3.7	0.7	-0.5	0.7	-0.5	-0.5	0.8	4.4	3.4
Se	INAA	PPM	10	30000	-10	-340	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-1500	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	380	-2900	1400	910	510	2400	-100	6000	1100	-100	830	-100	1700
Cr	INAA	PPM	50	30000	66	-2000	100	86	-50	-50	-50	-50	-50	70	60	2000	78
Sn	INAA	PPM	200	30000	-200	-7600	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	-2	-47	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Cs	INAA	PPM	1	10000	2	-14	5	3	-1	1	-1	-1	-1	-1	-1	-1	-1
La	INAA	PPM	5	30000	11	-32	24	21	9	10	-5	-5	7	-5	6	-5	18
Ce	INAA	PPM	10	30000	22	-980	55	42	22	27	-10	-10	15	-10	12	-10	26
Sm	INAA	PPM	0.2	2000	2.3	-2.1	5.2	3.4	2.8	1.5	-0.2	0.6	1.4	-0.2	1	-0.2	3.5
Eu	INAA	PPM	2	30000	-2	-39	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Tb	INAA	PPM	1	30000	-1	-7	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Yb	INAA	PPM	5	2000	-5	-110	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Lu	INAA	PPM	0.5	2000	-0.5	-16	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Sc	INAA	PPM	0.5	2000	4.7	-7.2	26	7.4	3.8	3.1	-0.5	-0.5	1.7	0.8	2.9	3.3	4.7
Hf	INAA	PPM	2	30000	-2	-89	3	2	-2	3	-2	-2	-2	-2	-2	-2	-2
Ta	INAA	PPM	1	2000	-1	-12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Th	INAA	PPM	0.5	3000	2.5	-22	8.3	6.2	0.7	3.4	-0.5	0.7	0.5	-0.5	1.8	-0.5	1.3
U	INAA	PPM	0.5	2000	2.1	-16	2.1	1.2	1	2	-0.5	-0.5	0.6	-0.5	0.9	-0.5	4
Na	INAA	PCT	0.05	10	-0.05	-0.5	0.84	-0.05	-0.05	3.1	-0.05	-0.05	-0.05	0.08	-0.05	0.18	0.19
Br	INAA	PPM	1	30000	-1	-2840	6	7	-1	-1	-1	-1	-1	-1	-1	-1	-1
Rb	INAA	PPM	10	10000	44	-390	130	150	-10	110	-10	-10	-10	-10	23	-10	26
Zr	INAA	PPM	500	10000	-500	-9	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-9	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	-0.5	50	-0.5	6.4	-0.5	-0.5	-0.5	-0.5	0.7	-0.5	-0.5	0.9	-0.5
Cu	ICP	PPM	1	20000	54	791	68	9	37	3	6	7	11	14	17	13	95
Pb	ICP	PPM	2	10000	32	10000	87	1136	68	17	6	6	6	4	-2	17	17
ZN	ICP	PPM	2	20000	84	410	169	6	50	34	3	3	39	6	9	62	192
Mo	ICP	PPM	1	20000	7	2	4	2	2	1	-1	-1	4	3	2	4	4
NI	ICP	PPM	1	20000	22	7	31	3	17	3	3	3	27	7	6	1588	43
Co	ICP	PPM	1	20000	4	-1	21	-1	6	-1	-1	-1	1	1	-1	74	14
Cd	ICP	PPM	2	2000	-2	92.4	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
BI	ICP	PPM	5	2000	-5	-5	12	-5	15	-5	-5	-5	-5	-5	-5	70	-5
As	ICP	PPM	5	2000	20	2000	405	262	138	61	30	17	35	18	21	98	43
SB	ICP	PPM	5	2000	-5	321	11	45	12	-5	14	-5	15	-5	-5	44	-5
Fe	ICP	PCT	0.01	10	1.59	10	5.38	0.62	3.13	0.61	0.14	0.61	0.26	0.34	0.83	3.99	3.14
Mn	ICP	PPM	5	20000	301	27	1019	26	2000	302	79	9	138	376	21	703	258
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	106	437	300	826	352	1650	38	141	847	31	433	40	39
CR	ICP	PPM	2	20000	49	68	61	54	19	13	15	19	28	47	36	439	71
V	ICP	PPM	2	2000	88	-2	134	89	36	14	-2	3	26	4	24	27	198
SN	ICP	PPM	20	2000	-20	39	-20	-20	-20	-20	-20	-20	-20	-20	-20	49	-20
W	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
LI	ICP	PPM	2	2000	8	-2	44	-2	3	6	-2	-2	4	-2	35	8	4
GA	ICP	PPM	10	2000	14	13	26	12	19	15	11	10	12	-10	-10	63	-10
LA	ICP	PPM	5	2000	10	26	7	14	9	-5	-5	-5	8	-5	-5	-5	14
Ta	ICP	PPM	5	2000	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
TI	ICP	PCT	0.01	10	0.08	0.05	0.35	0.17	0.02	0.05	-0.01	0.02	0.02	0.01	0.05	-0.01	0.17
Al	ICP	PCT	0.01	10	1.65	1.37	4.54	1.79	0.59	4.61	0.08	0.08	0.51	0.2	1.02	0.26	1.51
MG	ICP	PCT	0.01	10	0.48	0.11	1.47	0.15	1.19	0.14	0.02	-0.01	0.22	0.22	0.08	10	0.31
CA	ICP	PCT	0.01	10	0.52	0.04	3.75	0.03	10	2.18	0.04	0.02	10	0.44	0.02	2.92	0.57
NA	ICP	PCT	0.01	10	0.04	0.03	1.01	0.08	0.03	2.61	0.03	0.03	0.03	0.08	0.03	0.04	0.17
K	ICP	PCT	0.01	10	0.83	0.73	1.34	0.98	0.17	1.47	0.03	0.04	0.22	0.05	0.84	0.03	0.68
Nb	ICP	PPM	5	2000	-5	-5	7	-5	7	6	-5	-5	6	-5	-5	6	6
Sr	ICP	PPM	1	2000	38	14	154	8	74	855	3	14	70	24	15	537	37
Y	ICP	PPM	5	2000	7	-5	10	-5	9	-5	-5	-5	5	-5	-5	-5	15
Zr	ICP	PPM	5	2000	20	21	37	34	5	10	-5	7	8	-5	16	-5	33
Pb	AA	PPM	2	10000	31	9920	77	1190	66	9	4	5	5	6	3	-2	18
Bi	AA	PPM	1	2000	-1	-1	-1	3	-1	-1	-1	-1	-1	-1	-1	-1	-1
PT	FADCP	PPB	5	10000		-9	-9	-9	-9	-9	-9	-9	-9				
PD	FADCP	PPB	1	10000		-9	-9	-9	-9	-9	-9	-9	-9				
Te	AA	PPM	0.2	100	-0.2	4.7	-0.2	0.3	-9	-9	-0.2	-9	-9	-0.2	-0.2	-0.2	-0.2
S_Tot	LECO	PCT	0.02	100													
Ag	FA	OPT	0.02	9166		1.63											
Zn	TITRE	PCT	0.01	100		-9											
Pb	AA-LL	PCT	0.01	15		1.34											
B	DCP	PPM	10	10000													

Table 1. Geochemistry for land selection unit 4 - Eagle.

		Geochem Number			31919	31920	31926	31927	33722	33723
		Longitude, west			142.354	142.345	141.368	141.379	142.975	142.975
		Latitude			64.932	64.936	64.668	64.668	63.612	63.612
			Limits							
Element	Method	Units	Lower	Upper						
Au	INAA	PPB	5	10000	-5	67	-5	-5	-5	-5
Ag	INAA	PPM	5	300	-5	-5	-5	-5	-5	-5
Zn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200
Mo	INAA	PPM	2	30000	-2	-2	2	-2	31	18
Ni	INAA	PPM	20	30000	-20	-20	61	31	-20	-20
Co	INAA	PPM	10	20000	-10	-10	30	10	-10	-10
Cd	INAA	PPM	10	2000	-10	-10	-10	-10	-10	-10
As	INAA	PPM	1	10000	3	20	-1	5	15	24
Sb	INAA	PPM	0.2	9999	0.6	5.6	1.1	2.2	2.1	4.3
Fe	INAA	PCT	0.5	10	0.8	0.6	4.8	3.9	2.3	1.8
Se	INAA	PPM	10	30000	-10	-10	-10	-10	-10	-10
Te	INAA	PPM	20	2000	-20	-20	-20	-20	-20	-20
Ba	INAA	PPM	100	20000	470	3500	310	5100	2000	2300
Cr	INAA	PPM	50	30000	75	-50	-50	110	-50	-50
Sn	INAA	PPM	200	30000	-200	-200	-200	-200	-200	-200
W	INAA	PPM	2	30000	-2	4	-2	-2	18	7
Cs	INAA	PPM	1	10000	2	2	1	5	-1	-1
La	INAA	PPM	5	30000	6	42	5	22	32	27
Ce	INAA	PPM	10	30000	12	77	-10	56	78	59
Sm	INAA	PPM	0.2	2000	1.2	4.5	1.8	3.9	3.6	2.4
Eu	INAA	PPM	2	30000	-2	-2	-2	-2	-2	-2
Tb	INAA	PPM	1	30000	-1	-1	-1	-1	1	-1
Yb	INAA	PPM	5	2000	-5	-5	-5	-5	-5	-5
Lu	INAA	PPM	0.5	2000	-0.5	-0.5	0.5	-0.5	0.6	-0.5
Sc	INAA	PPM	0.5	2000	2.9	8.4	5.9	13	6	4.7
Hf	INAA	PPM	2	30000	-2	5	-2	4	4	4
Ta	INAA	PPM	1	2000	-1	1	-1	1	1	1
Th	INAA	PPM	0.5	3000	2.4	18	1.1	8.5	15	16
U	INAA	PPM	0.5	2000	0.7	7.1	0.7	2.8	2.5	2.9
Na	INAA	PCT	0.05	10	-0.05	0.19	0.07	1.4	0.57	0.59
Br	INAA	PPM	1	30000	-1	-1	-1	-1	-1	-1
Rb	INAA	PPM	10	10000	27	250	22	100	220	170
Zr	INAA	PPM	500	10000	-500	-500	-500	-500	-500	-500
Ir	INAA	PPB	100	1000	-100	-100	-100	-100	-100	-100
AG	ICP	PPM	0.5	50	-0.5	-0.5	-0.5	-0.5	0.8	0.9
Cu	ICP	PPM	1	20000	15	8	127	45	33	26
Pb	ICP	PPM	2	10000	2	21	-2	2		
ZN	ICP	PPM	2	20000	19	10	32	67	3	2
Mo	ICP	PPM	1	20000	-1	3	2	3	24	14
NI	ICP	PPM	1	20000	11	4	57	35	7	5
Co	ICP	PPM	1	20000	1	-1	23	8	-1	2
Cd	ICP	PPM	2	2000	-2	-2	-2	-2	-2	-2
Bi	ICP	PPM	5	2000	5	-5	14	-5		
As	ICP	PPM	5	2000	15	23	-5	11	-5	28
SB	ICP	PPM	5	2000	-5	-5	-5	-5	-5	-5
Fe	ICP	PCT	0.01	10	0.86	0.37	3.84	3.04	1.49	1.17
Mn	ICP	PPM	5	20000	23	15	2296	212	143	171
Te	ICP	PPM	25	2000	-25	-25	-25	-25	-25	-25
Ba	ICP	PPM	5	2000	399	2000	101	335	1438	1712
CR	ICP	PPM	2	20000	52	18	29	85	10	5
V	ICP	PPM	2	2000	29	14	36	129	20	-2
SN	ICP	PPM	20	2000	-20	-20	-20	-20	36	26
W	ICP	PPM	20	2000	-20	-20	-20	-20	-20	-20
LI	ICP	PPM	2	2000	7	5	2	11	17	17
GA	ICP	PPM	10	2000	-10	16	-10	22	-10	-10
LA	ICP	PPM	5	2000	5	26	-5	6	13	13
Ta	ICP	PPM	5	2000	-100	-100	-100	-100	-5	-5
Ti	ICP	PCT	0.01	10	0.07	0.23	0.05	0.3	0.11	0.04
Al	ICP	PCT	0.01	10	1.25	5.63	1.11	3.31	0.67	1.35
MG	ICP	PCT	0.01	10	0.21	0.11	2.2	1.26	0.08	0.04
CA	ICP	PCT	0.01	10	0.02	0.04	4.95	0.18	0.02	0.02
NA	ICP	PCT	0.01	10	0.04	0.24	0.05	1.37	0.51	0.51
K	ICP	PCT	0.01	10	0.55	2.68	0.56	1.19	0.94	1.02
Nb	ICP	PPM	5	2000	-5	11	-5	10	12	12
Sr	ICP	PPM	1	2000	8	68	225	40	37	37
Y	ICP	PPM	5	2000	-5	12	16	7	-5	-5
Zr	ICP	PPM	5	2000	12	99	8	69	26	43
Pb	AA	PPM	2	10000	6	20	5	3	25	20
Bi	AA	PPM	1	2000	-1	-1	-1	-1	-1	5
PT	FADCP	PPB	5	10000						
PD	FADCP	PPB	1	10000						
Te	AA	PPM	0.2	100	-0.2	-0.2	-0.2	-0.2	0.5	0.3
S_Tot	LECO	PCT	0.02	100						
Ag	FA	OPT	0.02	9166						
Zn	TITRE	PCT	0.01	100						
Pb	AA-LL	PCT	0.01	15						
B	DCP	PPM	10	10000					22	25

Appendix B. Major oxide analyses of samples collected in the Tanacross and Eagle quadrangles.

Table 2. Major oxide analyses for land selection unit 4 - Eagle.

	Sample	503	534	503	534	535	544	545	574	575	576	577	585
	Longitude, west	143.4624	142.864	143.4624	142.864	142.864	143.101	143.101	143.098	143.098	143.098	143.092	142.943
	Latitude	63.90193	63.735	63.90193	63.735	63.735	63.53	63.53	63.531	63.531	63.531	63.529	63.586
ELMNTS	UNITS	503	534	503	534	535	544	545	574	575	576	577	585
NA2O	%	3.46	4.14	3.46	4.14	4.19	3.47	2.21	3.78	2.75	4.68	4.5	3.93
MGO	%	1.19	1.28	1.19	1.28	1.19	0.2	0.36	0.66	0.59	0.57	0.37	1.27
AL2O3	%	15.2	14.8	15.2	14.8	14.6	12.7	11.8	14.5	14	14	13.6	19.5
SIO2	%	68.4	69.8	68.4	69.8	69.2	76	78.2	71.5	72.4	73	74.4	56.2
P2O5	%	0.14	0.14	0.14	0.14	0.14	0.03	0.03	0.08	0.06	0.07	0.05	0.39
K2O	%	3.39	3.17	3.39	3.17	3.58	4.72	5.37	3.98	4.81	3.11	3.32	6.12
CAO	%	3.35	2.16	3.35	2.16	2.35	0.69	0.14	2.08	1.57	1.33	0.8	4.53
TIO2	%	0.435	0.474	0.435	0.474	0.451	0.116	0.136	0.286	0.238	0.244	0.188	0.659
CR	PPM	19	16	19	16	16	15	11	19	13	23	16	-10
MNO	%	0.11	0.07	0.11	0.07	0.08	0.07	0.02	0.08	0.07	0.07	0.07	0.11
FEO	%	1.9	1.6	1.9	1.6	1.6	-0.1	-0.1	0.5	0.4	1	-0.1	2.5
FE2O3	%	3.57	2.81	3.57	2.81	2.98	0.97	0.79	1.88	1.43	1.65	1.08	4.86
RB	PPM	107	131	107	131	140	223	204	169	205	129	177	212
SR	PPM	446	371	446	371	231	95	61	390	323	332	177	1600
Y	PPM	24	48	24	48	37	36	43	26	34	23	36	17
ZR	PPM	147	181	147	181	166	106	106	202	223	165	115	265
NB	PPM	25	25	25	25	-10	12	19	15	27	20	20	43
BA	PPM	1830	1500	1830	1500	1270	1280	1480	2410	2650	2160	1430	4560
LOI	%	0.85	1.31	0.85	1.31	1.39	1.08	1.08	1.39	2.23	1.39	1.7	1.05
SUM	%	100.393	100.416	100.393	100.416	100.365	100.247	100.355	100.585	100.545	100.44	100.303	99.385

Table 2. Major oxide analyses for land selection unit 4 - Eagle.

	Sample	503	534	586	597	601	604	1229	2481	2485	2487	2494	2495
	Longitude, west	143.4624	142.864	142.943	141.744	142.865	142.8692	141.759	143.484	143.48	143.476	143.187	143.187
	Latitude	63.90193	63.735	63.586	64.784	63.557	63.55922	64.776	63.898	63.892	63.888	63.718	63.718
ELMNTS	UNITS	503	534	586	597	601	604	1229	2481	2485	2487	2494	2495
NA2O	%	3.46	4.14	3.56	3.05	3.64	3.75	3.11	2.88	3.99	3.81	3.83	3.72
MGO	%	1.19	1.28	1.43	2.02	1.63	2.11	2.06	1.36	2.96	1.18	0.87	1.14
AL2O3	%	15.2	14.8	14.5	15.2	17	15.8	16.4	13.7	16.9	15.6	15.6	14.6
SIO2	%	68.4	69.8	67.7	64.3	63.9	61.2	63.7	69.7	57.7	67.9	70.5	69.3
P2O5	%	0.14	0.14	0.12	0.13	0.16	0.22	0.13	0.14	0.21	0.18	0.1	0.12
K2O	%	3.39	3.17	4.77	2.77	2.65	3.39	2.21	2.55	2.56	3.26	3.2	3.72
CAO	%	3.35	2.16	2.65	4.65	4.83	3.87	5.27	3.56	3.94	3.35	2.86	2.24
TIO2	%	0.435	0.474	0.478	0.588	0.617	0.678	0.606	0.466	0.812	0.475	0.355	0.392
CR	PPM	19	16	36	19	15	18	-10	12	24	12	15	15
MNO	%	0.11	0.07	0.07	0.11	0.1	0.11	0.13	0.11	0.13	0.09	0.06	0.08
FEO	%	1.9	1.6	1.5	3.6	1.8	2.45	3.4	2	3.8	1.1	1.7	1.5
FE2O3	%	3.57	2.81	3.14	4.98	4.14	5.45	5.29	3.91	9.03	2.82	2.24	2.69
RB	PPM	107	131	240	116	102	127	101	88	249	117	149	169
SR	PPM	446	371	483	316	493	571	430	464	564	605	432	322
Y	PPM	24	48	23	11	20	30	25	21	47	19	32	27
ZR	PPM	147	181	234	138	218	193	111	119	192	243	371	145
NB	PPM	25	25	38	21	16	30	22	-10	15	15	15	18
BA	PPM	1830	1500	1380	1270	1340	2780	1170	1790	742	1790	823	1110
LOI	%	0.85	1.31	0.45	0.75	1.39	1.93	1	1.39	1.47	1	0.62	1.85
SUM	%	100.393	100.416	99.151	98.766	100.313	98.937	100.12	100.051	99.916	99.988	100.453	100.06

Table 2. Major oxide analyses for land selection unit 4 - Eagle.

	Sample	503	534	31611	31612	31613	31618	31619	31627	31635	31664	31671	31676
	Longitude, west	143.4624	142.864	141.685	141.685	141.685	142.126	142.1712	141.654	141.635	141.884	141.908	141.924
	Latitude	63.90193	63.735	64.788	64.788	64.788	64.736	64.80811	64.563	64.652	64.682	64.665	64.648
ELMNTS	UNITS	503	534	31611	31612	31613	31618	31619	31627	31635	31664	31671	31676
NA2O	%	3.46	4.14	2.99	2.97	2.91	3.22	2.87	3.01	3.48	3.03	3.19	3.13
MGO	%	1.19	1.28	1.91	2	2.34	1.46	1.91	1.97	1.18	1.78	1.4	1.4
AL2O3	%	15.2	14.8	16	15.2	18.4	14.8	15.6	16.1	16	14.8	14.8	15.8
SIO2	%	68.4	69.8	64.9	63.1	57.5	66.5	63.1	64	67.5	65.2	68.2	66.3
P2O5	%	0.14	0.14	0.12	0.15	0.38	0.11	0.12	0.14	0.09	0.14	0.12	0.13
K2O	%	3.39	3.17	2.44	2.79	3.07	2.96	2.84	2.53	2.64	2.98	3.32	2.87
CAO	%	3.35	2.16	4.98	4.82	5.11	3.76	4.87	4.7	4.33	4.23	3.52	3.97
TIO2	%	0.435	0.474	0.589	0.634	0.697	0.461	0.545	0.599	0.423	0.56	0.462	0.505
CR	PPM	19	16	-10	-10	-10	-10	10	-10	-10	-10	-10	-10
MNO	%	0.11	0.07	0.12	0.11	0.12	0.09	0.1	0.11	0.08	0.1	0.09	0.09
FEO	%	1.9	1.6	3.5	3.2	5	2.5	3.5	3	1.9	2.9	2.4	3.1
FE2O3	%	3.57	2.81	5.21	5.02	6.37	3.88	4.94	4.79	3.31	4.43	3.86	4.2
RB	PPM	107	131	86	91	134	119	89	96	99	91	119	118
SR	PPM	446	371	366	346	399	353	350	432	362	337	319	404
Y	PPM	24	48	22	18	17	29	21	16	-10	31	21	26
ZR	PPM	147	181	109	147	63	142	159	125	107	134	143	128
NB	PPM	25	25	42	37	40	34	26	45	20	28	18	27
BA	PPM	1830	1500	1160	1230	1640	1420	1360	1010	1360	1420	1400	1290
LOI	%	0.85	1.31	0.85	2	1.2	2.15	1.2	1.05	0.85	1.15	1.05	0.7
SUM	%	100.393	100.416	100.315	99.01	98.358	99.632	98.327	99.199	100.106	98.634	100.244	99.324

Table 2. Major oxide analyses for land selection unit 4 - Eagle.

	Sample	503	534	31680	31682	31684	31686	31689	31690	31691	31746	31748	31749
	Longitude, west	143.4624	142.864	142.208	142.17	142.163	142.163	142.956	142.956	142.943	141.878	142.201	142.201
	Latitude	63.90193	63.735	64.633	64.638	64.634	64.634	64.403	64.403	63.586	64.607	64.794	64.794
ELMNTS	UNITS	503	534	31680	31682	31684	31686	31689	31690	31691	31746	31748	31749
NA2O	%	3.46	4.14	1.82	2.1	1.38	3.2	2.51	2.32	2.75	3.05	2.89	3.14
MGO	%	1.19	1.28	3.98	3.56	1.92	0.79	3.13	4.66	3.18	1.79	1.42	1.4
AL2O3	%	15.2	14.8	13.9	13.5	15.4	14.7	14.2	13.1	14.5	14.9	15.2	19.9
SIO2	%	68.4	69.8	57.4	61.4	65	69.7	58.5	58.1	60.5	65.4	66.7	59.4
P2O5	%	0.14	0.14	0.59	0.47	0.12	0.13	0.43	0.42	0.39	0.13	0.1	0.14
K2O	%	3.39	3.17	4.36	4.06	2.18	3.96	4.45	3.99	4.13	3.04	2.91	1.91
CAO	%	3.35	2.16	5.97	5.69	4.75	2.8	5.7	6.56	4.56	3.98	4.13	7.05
TIO2	%	0.435	0.474	0.768	0.517	0.498	0.352	0.716	0.623	0.652	0.557	0.453	0.595
CR	PPM	19	16	34	27	-10	-10	22	110	63	-10	-10	-10
MNO	%	0.11	0.07	0.17	0.15	0.03	0.11	0.16	0.14	0.15	0.1	0.09	0.1
FEO	%	1.9	1.6	5.7	5	3.4	1	4.4	4.6	3.8	3.1	2.7	3.4
FE2O3	%	3.57	2.81	9.14	7.19	4.62	2.83	7.52	7.75	6.45	4.45	4.12	5.01
RB	PPM	107	131	124	119	70	159	101	130	81	109	111	87
SR	PPM	446	371	1130	1120	506	748	1130	861	1140	357	323	562
Y	PPM	24	48	12	12	20	12	22	-10	26	18	14	26
ZR	PPM	147	181	132	82	115	182	169	119	136	112	155	321
NB	PPM	25	25	37	27	24	28	25	35	35	26	22	22
BA	PPM	1830	1500	2520	1790	2480	1450	1870	1460	1850	1340	1520	961
LOI	%	0.85	1.31	1.35	0.95	2.9	1.3	1	0.95	1.5	1.65	1.25	1.5
SUM	%	100.393	100.416	99.906	99.953	99.164	100.17	98.702	98.929	99.148	99.272	99.509	100.378

Table 2. Major oxide analyses for land selection unit 4 - Eagle.

	Sample	503	534	31752	31760	31771	31814	31815
	Longitude, west	143.4624	142.864	142.288	141.551	141.331	141.425	141.633
	Latitude	63.90193	63.735	64.786	64.546	64.721	64.527	64.455
ELMNTS	UNITS	503	534	31752	31760	31771	31814	31815
NA2O	%	3.46	4.14	2.82	2.59	0.1	0.33	3.63
MGO	%	1.19	1.28	1.11	2.15	42.5	15.1	0.45
AL2O3	%	15.2	14.8	14.2	14.5	0.81	3.22	16.1
SIO2	%	68.4	69.8	70	63.3	40.6	50.4	70.2
P2O5	%	0.14	0.14	0.11	0.13	0.02	0.11	0.12
K2O	%	3.39	3.17	3.35	3.39	0.04	1.49	2.29
CAO	%	3.35	2.16	3.07	3.56	1.1	18.3	3.51
TIO2	%	0.435	0.474	0.403	0.539	0.033	0.374	0.137
CR	PPM	19	16	-10	41	3020	611	-10
MNO	%	0.11	0.07	0.07	0.1	0.14	0.18	0.05
FEO	%	1.9	1.6	2	3.2	5.2	5.8	0.3
FE2O3	%	3.57	2.61	2.88	4.47	8.38	8.31	1.13
RB	PPM	107	131	128	117	15	56	77
SR	PPM	446	371	334	331	-10	124	1080
Y	PPM	24	48	29	19	-10	-10	-10
ZR	PPM	147	181	119	117	-10	16	87
NB	PPM	25	25	22	34	28	19	35
BA	PPM	1830	1500	974	1340	102	386	2280
LOI	%	0.85	1.31	1	3.35	6.3	0.7	1.7
SUM	%	100.393	100.416	99.198	98.31	100.481	98.672	99.724