

Table 1.
Summary of Costs, Metal Exploration Programs in Alaska.

Project	Location	Type of Program	Type of Organization	Length of program (field phase only)	Size of Area (in Sq. miles)	Salary cost (No. of persons)	Transportation Costs	Fuel	Living or Camp cost	Assaying, geochemical analysis	Drilling	Geophysics	Field Equipment	Miscellaneous	Total Cost	
1	Southeastern Alaska	Reconnaissance geologic mapping; prospect drilling; mineral beneficiation testing	Private industry	180 days	1	\$60,000	-	-	-	\$19,278	\$168,386	-	-	Claim staking:	\$13,464	> \$425,000
2	Central Alaska	Soil sampling & percussion drilling	Private industry	88 days	2	\$23,238 (5)	\$6,948	-	\$5 per man day	\$4,662	\$25,329	-	-	Claim staking:	\$23,418	\$103,614
3	Eastcentral Alaska	Rotary drilling on prospect	Private industry	33 days	2	\$6,295 (4)	\$2,157	\$807	(Food: \$1,599)	\$500	\$23,409	-	(on hand: \$1500)	Misc.: Expendables: Rentals: Misc.:	\$3,702 \$2,617 \$804 \$875	\$40,000
4	Eastcentral Alaska	Geologic mapping, geophysics and diamond drilling	Private industry	90 days	3	-	-	-	-	-	-	-	-	-	-	\$205,000
5	Eastcentral Alaska	Geologic mapping, geophysics and diamond drilling	Private industry	85 days	3	-	-	-	-	-	-	-	-	-	-	\$95,000
6	Talkeetna Mtns.	Detailed underground exploration	Private industry	-	< 5	-	\$70,057	-	\$32,000	-	\$65,850	-	\$25,000	Road const: Misc. supplies: Rentals: Engr. geology & metallurgy: Underground exploration:	\$17,985 \$12,350 \$14,860 \$34,928 \$199,386	\$531,996
7	Talkeetna Mtns.	Detailed underground exploration	Private industry	128 days	< 5	\$58,346	\$57,006	*	\$18,000	\$4,076	\$38,674	-	\$20,000	Misc: Underground exploration:	1,030 \$83,808	\$251,425
8	Southeastern Alaska	Detailed geology and geophysics	Private industry	65 days	8	\$3,450 (2)	\$25,850	*	\$28/day (3 men)	\$270	-	\$6,600	\$800	Misc:	\$400	\$48,000
9	Central Alaska Range	Prospect evaluation & prospecting	Private industry	90 days	-	\$12,500 (4)	\$22,000 (and some under other headings)	-	\$5,000	\$2,000	-	-	-	Bulldozer: Transportation, supplies, communication, etc:	\$6,000 \$2,500	\$60,000
10	Southeastern Alaska & General Alaska Reconnaissance	Reconnaissance, detailed geology and drilling prospect	Private industry	120 days	50	\$117,600 (27)	\$177,000	\$22,000	\$48,600	\$6,000	\$200,000	\$17,000	\$20,000	Claim staking: Contingency fund:	\$15,000 \$62,320	\$685,520
11	Southeastern Alaska	Detailed geologic mapping	State Government	90 days	150	\$13,800 (3)	\$5,400	\$200	\$3,870	**	-	-	-	Misc: Contingency:	\$200 \$500	\$24,000
12	Talkeetna Mtns.	Reconnaissance stream sampling and geology	State Government	27 days	250	\$2,636 (2)	\$2,222	\$265	\$883	\$250	-	-	-	Thin sections: Misc.:	\$120 \$150	\$6,925
13	Central Alaska and Alaska Range	Prospecting, stream sediment sampling	Private industry	60 days	360	\$8,750 (3)	\$17,400	*	\$5 per man day in field	\$5,000	-	-	\$500	-	approx. \$30,000	
14	Brooks Range	Detailed stream sediment sampling program in known mineral belt.	Private industry	110 days	620	\$41,000 (6+)	\$88,500	*	\$15 per man day	\$7,500	-	-	\$5,000	Radios:	\$6,000	\$250,000
15	Southcentral Brooks Range	Reconnaissance stream sediment & soil sampling in several small areas.	Federal Government	13 days	750	\$1,945 (4)	\$5,080	\$1,250	\$400	(\$6,800**)	-	-	-	-	\$8,700	
16	Southeastern Alaska	Reconnaissance geologic mapping, rock & stream sediment geochemistry, reconnaissance aeromagnetics, prospect examination	Federal Government	90 days	1,000	\$41,825 (14)	\$106,450	\$3,500	*	**	-	\$10,600	\$500	Maint. & repairs on boat:	\$1,500	\$164,375
17	Southcentral Alaska	Reconnaissance	Private industry	90 days	1,200	\$19,700 (7)	-	\$0.40-0.43 per gal	\$7.50 per man day	\$17,800	-	-	\$5,500	-	\$105,000	
18	Eastcentral Alaska	Reconnaissance geology and geochemistry	Federal Government	105 days	1,250	\$10,850 (4)	\$11,860	\$2,000	\$2,750	**	-	-	\$75 (replacement)	-	\$27,765	
19	Alaska Range-Talkeetna Mtns., Southcentral Alaska	Detailed geology, reconnaissance stream sediment sampling	State Government	90 days	2,000	9,000 (2)	\$47,000	\$4,400	\$2,700	**	-	-	\$700	Misc.:	\$64,000	
20	Southeastern Alaska	Reconnaissance geology and stream sediment geochemistry; extensive ground traversing	Private industry	120 days	3,000	\$22,150 (3+)	\$44,388	\$4,475	\$5,101	\$15,074	-	-	Magnetometer & radios: \$2,501	Claim staking: Maps & photos: Map reproduction: Misc.:	\$3,960 \$1,618 \$1,949 \$6,548 \$23,000	\$150,000
21	Wrangell Mtns.	Reconnaissance stream sediment sampling	Private industry	60 days	3,000	\$11,950 (7)	\$24,275	\$0.60 per gal	\$3,660	\$3,062	-	-	\$2,917	-	-	
22	Kuskokwim area	Spot reconnaissance, preselected geologic targets	Private industry	80 days	3,000	\$12,121 (4)	\$31,552	\$2,711 (transport alone was approx. \$1.00 per gal)	\$1,478	\$6,664	-	-	Rental radios: \$2,402	Expendables: Maps, photos, map reproduction: Misc.:	\$3,391 \$1,073 \$2,063	\$65,000
23	Northwestern Alaska	Reconnaissance geologic mapping; scintillation survey. Soil, stream sediment, panned concentrate and water geochemistry. Local geophysical work	Private industry	65 days	5,500	\$26,000**** (3)	\$11,900	\$3,400	\$2,000	(\$7,000)	-	*	\$3,800	120 claims staked: Misc.:	* \$500	\$57,800
24	Southcentral Alaska	Reconnaissance & detailed geology, diamond drilling	Private industry	90 days	6,000	\$35,000	\$28,500	\$2,500	\$11,000	\$2,000	\$24,000	\$15,000	\$2,500	Misc.:	\$7,500	\$170,000
25	Alaska Range	Reconnaissance geology & geochemistry based on extensive ridge traverses, some soil geochemistry	Private industry	120 days	6,000	\$46,057 (7)	\$69,150	\$5,448 (plus transp. at 0.50-\$1.00 per gal)	\$6,743	\$33,167	-	-	Radios: \$3,505 Rental equip.: \$5,191	Expendables: Maps, photos: Misc.:	\$8,967 \$5,318 \$3,627	\$87,000
26	Southcentral Alaska	Reconnaissance geologic mapping. Stream sediment & water geochemistry. Detailed examination of anomalies and scintillation survey	Private industry	70 days	6,500	\$23,000**** (2+)	\$35,000	\$5,000	\$2,000	\$9,000	-	-	\$4,200	Misc.:	\$2,000 \$6,000	\$87,000
27	Eastcentral Alaska	Reconnaissance geologic mapping & stream sediment sampling	Private industry	90 days	10,000	\$3,665**** (2+)	\$28,112	*	\$2,678	\$7,000	-	-	\$1,543	-	\$41,208	
28	Southern Alaska Range; minor work in Wrangell Mtns.	Reconnaissance geology, with local detailed geology & geochemistry; prospect drilling and geophysics	Private industry	240 days (over 4 yrs)	28,000	the major expense	-	-	\$20 per man day	-	-	-	-	-	\$440,000	

* included under other headings
**done "in house" at no cost to project budget
***plus permanent staff salary not included in budget
****also includes fee to consulting organization.