

# MEMORANDUM

# State of Alaska

TO:

Marvin A. Kuentzel  
Water Resources Branch  
Division of Lands

DATE: March 27, 1967

FROM:

Dorothy Mihelich  
Mineral Analyst  
Division of Mines and Minerals

SUBJECT: Valid mining claims in the  
Anchorage, Palmer and  
Whittier Recording Districts

Following are the names and addresses of holders of valid mining and patented mining claims within the Anchorage, Palmer and Whittier Recording Districts:

### Anchorage Recording District

Henry L. Schlesinger, Star Route Box 195, Palmer; with Edward P. Flounders, address unknown.  
Adrian G. Barber, Donald F. Barber and Jerry L. Barber, Box 4-1058, Anchorage.  
Warren J. Nystrom, 831 Gambell St., Anchorage  
Anchorage School District  
Herbert Lang, 433 9th Avenue, Anchorage, and Robert Peters, 4416 S.E. Milwaukee, Portland, Oregon  
Charles and Bruce Petrie, Box 2404, Anchorage  
A.S. Erickson, 1102 Seventh Avenue, Anchorage  
Robert Page, 3533 Thompson St., Mt. View  
Glacier Mining Co., Box 4699, Spenard  
John Mackwiz, Box 1676, Anchorage  
Anchorage Sand and Gravel, 1800 East Second Avenue, Anchorage. (Leased from Big Four Development Co., address unknown.)

### Whittier Recording District

T. F. Isherwood, 609 Broughton St., Victoria, B.C.  
Glenn Heatherly, 6405 Seward Highway, Anchorage  
Portage Gold Mines, c/o T. F. Isherwood

### Palmer Recording District

R. S. Richards, 2539 Foraker Drive, Anchorage, with Albert Lindenmuth, Dan Cuddy and C.A. Rich  
John L. McPherson, Route 2, Box 205, Rolling Fork, Mississippi  
Alba Brooks, Box 703, Palmer  
Lorance Zimmerman, 2804 W. 33rd Avenue, Spenard and John P. Koruna, 1573 Karluk St., Anchorage  
William Mrak, Box 16, Sutton  
A. W. Smith, 3252 E.C.Br., Anchorage  
Clayton Rasmussen, 7935 Jewell Lake Road, Spenard  
William O. Einsporn, U.S.S. Pyro AE 24, c/o FPO, San Francisco, and Della F. Janosky, Big Lake Route, Wasilla  
J. A. McGarles, 809 N. Flower St., Mt. View, and C.C. Cechowski, Box 374, Anchorage

Form SA 1

# MEMORANDUM

# State of Alaska

REC'D. JUNEAU

MAR 10 1967

Div. Mines & Minerals

To: Dorothy Mihelich  
Mineral Analyst  
Department of Mines and Minerals

DATE March 7, 1967

FROM: Marvin A. Kuentzel *Maw*  
Water Resources Branch  
Division of Lands

SUBJECT Mining Claims in the Anchorage, Palmer,  
and Whittier Recording Districts

Thank you, Mrs. Mihelich, for the very prompt service rendered in sending the names and addresses of mining claim holders located on the Kenai Peninsula. It is very gratifying to find that such prompt attention was given to a difficult assignment. Now that we have a little breathing room, so to speak, in determining water rights for each area of the State, we will try to give you as much lead time as possible in digging out the claims.

We would like to advertise the month of May as the filing period for the Anchorage, Palmer and Whittier Recording Districts. If it would be possible to have a list by mid-April or so it would be appreciated.

Again, thank you for your fine cooperation and attention given this matter in the past.

MAK:rwf

RECEIVED

MAR 9 1967

DIVISION OF MINES & MINERALS  
ANCHORAGE

March 1, 1962

J. Ronald Brown, M.D.  
Box 100  
Cordova, Alaska

Dear Dr. Brown:

Re: Mineral resources of the Cordova area

I regret that the pressure of work caused by Legislative demands and activities and short handedness in this office has prevented an immediate reply as requested in yours of February 21.

Mr. Banta has also made a request for a geological party to do work in the Bering River Coal Field in behalf of the Cordova Chamber of Commerce. I answered his request in this particular regard on February 9. The Chamber, I presume, is working together with your Area Development Committee.

As I explained to the resources meeting in Cordova on January 12, to do this kind of work I have just 4 mining engineers (one for each of the four judicial districts) and one mining geologist for the whole State. I have requested more geologists, but do not know how many, if any, will be authorized, and appropriated for by the Legislature. My one mining geologist is committed elsewhere on investigations during the approaching summer. I could possibly send the two engineers from the first and third districts in for a short period, depending on how their time works out with regard to requests from prospectors and miners for field assistance, which is the foremost duty of the engineers. However, the cover in the Bering River Field is heavy, and the work that one or two men can do toward exposing or blocking out tonnages of coal would not be too effective. They could possibly resample the same openings made by Douglas Colp in his work for Jewell Ridge a few years ago. I am presently endeavoring to get some additional information for your use from private sources, but will probably not be successful. We will put together what information we can obtain from all available sources, and then again consider what limited field work we might be able to do.

There seems to be little interest in the Bering River Field right now. We think this is due in part to a negative report by a private individual (not Mr. Colp) whose company was simultaneously looking into coal possibilities elsewhere. He even questioned the coking quality of the coal. At any rate, will try to put something together here to counteract that.

Mr. J. Ronald Brown, M. D.

March 1, 1962

Page Two

Apparently the Japanese are not interested in the Field at the moment. Mr. Banta has said twice that there is a Pacific Coast market. I have done some checking and find no evidence of this. Knowledgeable sources don't think so. If you or Mr. Banta would let me know what and where this market is, it would help us in determining what to do on the matter.

With regard to hardrock minerals, I prepared a survey of mining properties and prospects of the areas to the east and north of Cordova, including the McCarthy country, ten years ago. This was for Cordova to use in promoting the Copper River Highway. Today, there is no further available basic geological information on those properties than there was then. Mr. John LaFevre still has printed copies of that survey, and you could use it for your purpose rather than our doing it over again. If it will help, we can do a similar survey of the prospects of Prince William Sound as additional information. You might look at the old one and tell me what you think.

On petroleum developments and possibilities, I am informed that Mr. Bert Hall has requested Mr. Donald Bruce, petroleum geologist of this Division, to furnish information, so I will leave this to Mr. Bruce. Mr. Bruce is authorized to meet with you people in conjunction with one of his inspection trips from Anchorage to the well drilling operations along the Gulf.

Regarding metals again, I firmly believe there will in time be significant copper discoveries made in the McCarthy district, and that once again that area will see active mining. How soon this will happen depends on how much modern prospecting and exploration is done in the area, which in turn depends to a significant extent on the amount of information, assistance, and encouragement extended to prospective operators by the State. I went into this problem at Cordova on January 12. You could play the tape back again and perhaps glean some useful comments, although I am not sure I said anything that would be useful to your present project.

As to the benefits Cordova and the near vicinity will reap from prospective operations in the McCarthy area, it depends of course, on how soon the Copper River Highway is completed. Construction on the highway should accelerate, I should think, together with mining developments.

On the subject of roads, the road into the Bering River Coal Field is of a different complexion. Its completion will hasten developments in the Field, as well as connect you to possible oil developments in the same area, and it should be promoted with all our energy. Even if the stripping of the right-of-way could be done (which contract was ready to go at one time) it would facilitate the moving of heavy mining and other equipment to the Field during the winter.

Sincerely,

James A. Williams, Director  
Division of Mines and Minerals

cc: Donald Bruce

JAW:je

March 1, 1962

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Sincerely,

James A. Williams, Director  
Division of Mines and Minerals

cc: Donald Bruce

JAW:je

*J. Ronald Brown, M. D.*

BOX 100

CORDOVA, ALASKA

TELEPHONE GA 4-3414

Feb. 21, 1962

James Williams  
Director of Mines  
Juneau, Alaska

Dear Mr. Williams:

I have been designated Secretary of the Cordova Area Development Committee. I have been asked to contact you officially as the representative of this committee. It is our function to begin economic planning for the economic development of this area.

From past experience, we know that the greatest possibilities for the future economic development of this area, is in the field of minerals and mining. However, we can find virtually nothing to help us in the preparation of plans for such development.

We would appreciate it if you would survey all available information on the mineral resources of this area, including the Chitina Valley and Katalla and Yakataga areas, which are all within our scope. We would appreciate a brief review of what information is available. We would also like to know how we can obtain copies of all such reports and past investigations, at least all which might be of value to us in planning, or in interesting private companies in investment and/or research.

In addition, please consider this a formal request for a party to begin geological investigations in this area this summer, with special reference to the Katalla coal fields, and copper and other minerals in the McCarthy area.

I would appreciate an immediate reply from you as to how you plan to deal with this request.

Sincerely,

*J. Ronald Brown*  
J. RONALD BROWN, M.D.  
*mn*

REC'D 100-100

FEB 23 1962

Div. Mines & Geology

February 9, 1962

*M. Bering Glacier  
Bering River  
1962*

Mr. Louis D. Banta  
Chairman, Mining Committee  
Cordova Chamber of Commerce  
Cordova, Alaska

Dear Bob:

Re: Bering River Coal Field

I have your letter requesting work in the Bering River Coal Field. You know, of course, that the cover there is heavy, and that the field work that one or two men could do would not be too effective in exposing much structure for calculating and mapping blocks of coal. My one geologist is pretty well committed elsewhere this summer. I might be able to send two engineers in, depending on how things work out. Before I commit us to field work, let me see what information we can put together from other sources. I might be able to obtain some of the information that resulted from the Jewell Ridge work. I will keep you posted.

You are correct regarding the Jewell Ridge permits. They have expired. Do you know of anyone intending to apply for them?

As I mentioned when at Cordova, if you have definite evidence of a Pacific Coast coal market that would purchase Bering River coal, I would like to be informed on it. It would certainly help justify further work in the field.

Sincerely,

James A. Williams, Director  
Division of Mines and Minerals



CORDOVA  
CHAMBER of COMMERCE

*77 Bering Blain  
Bering River  
Coal*

Div. Mines & Minerals  
James Williams

Dear Jim:

Intelligence has reached us that Jewel Ridge has relinquished their leases on the Bering River coal fields and we are of the opinion that you might be able to help us.

We feel that if you would send up a geologist and an engineer to study the ground and see if the deposit as shown and on present records would not support a much smaller operation than that proposed by the Japanese sale, that we might interest a west coast operation.

I believe this would be better for the economy of Cordova than such a large scale production as contemplated by Jewel Ridge. This would only require some field study and the proof on notes which must be in existence from former studies of the field. Something in the nature of 200,000 to 300,000 tons per year production.

How do you feel about this? I note in your talk to us you mentioned that your geologist could only go out for studies if we asked for it, so we are making this a formal request that your department make such studies.

I hope we can get something started on this and would appreciate the geological study being done this year.

Sincerely Yours

*Louis A. Penta*  
Chairman, mining committee

February 14, 1962

*97 Bering Strait  
Bering River  
Coal*

Mr. Douglas Colp  
Exploration Services  
P. O. Box 2061  
Fairbanks, Alaska

Dear Doug:

Re: Bering River Coal Field Information

The Cordova Chamber of Commerce is requesting me to send someone from this Division into the Bering River Coal Field to make further studies this summer. The purpose of this work would be to put together some new information that will help interest a market of 200,000 to 300,000 tons per year on the Pacific Coast which the Chamber officials claim exists. As you know, what work the one or two men I would be able to send in there would not get too much accomplished toward uncovering such structure or doing much geological mapping or getting such coal blocked out.

The Jewell Ridge Coal Company permits have expired. As a matter of ethics, and also of profits from future work that you might do there for someone else, are you in a position to release to this Division any of the information or reports you have in your possession as a result of the work done for Jewell Ridge? If so, perhaps we could use it to an advantage in working up information for the Cordova people. If this proposal or request is out of line in any way, please do not hesitate to say so. I am not sure that I should even ask you about it. Will appreciate hearing from you on it.

Sincerely,

James A. Williams, Director  
Division of Mines and Minerals

JAW:je

McCarthy Quadrangle

Head of Golconda Creek, tributary of North Fork of Bremner River

Yellow Band Gold Mines - 7 gold lode claims - 1960 assessment work

Near McCarthy and on McCarthy Creek

C. Henry Schulze - 4 copper lode claims silver  
Green Butte Copper Co. - patented claims - M.S. 1098 A & B (copper/lode)  
Mrs. Jean Tjosevig Jackson - patented claims - M.S. 1512 A & B (copper lode)  
State of Alaska - delinquent patented claims - M.S. 875 (copper placer)

Between Mizina River and McCarthy Creek, north of Sourdough Peak

Freemont Mining Co. - 43 copper lode claims

1/2 mile NE of Bonanza Mine near Mother Lode

State of Alaska - delinquent patented claims - M.S. 874 (copper lode)

Northwesterly from 5500' level Mother Lode Adit

Raymond Trotochau - 1 copper-silver claim

Nikolai Creek, 3 1/2 miles from junction with McCarthy Creek

Galena Bay Mining Co. - patented claims - M.S. 546 (copper lode)

West side of Prophecy Mountain at 4100 feet elevation

Archie Ramsell - 4 moly claims

May and Young Creek

Martin Weinrick and Robert E. Glud - 53 gold placer claims (Young Creek)  
Walter L. Holmes - 2 gold placer claims (Calamity Gulch)  
Walter L. Holmes - 2 gold placer claims (May Creek)

North of junction of Boulder and Dan Creeks, on Boulder Creek

J.B. O'Neill & Walter L. Holmes - 4 copper lode claims

On or adjacent to Dan Creek, tributary of Mizina River

J.B. O'Neill - 9 gold lode claims  
J.B. O'Neill et al - 17 gold placer claims  
Dan Creek Placer Mines, Inc. - patented claims - M.S. 923, 948, 1465  
Martin F. Radovan - 2 gold placer claims - (1959 last recorded A.W.)  
State of Alaska - delinquent patented claims - M.S. 1595 (gold placer)

Chititu Creek, tributary of Mizina River

State of Alaska - delinquent patented claims - M.S. 1087, 1088, 1401, 1405, 1406) gold  
State of Alaska - delinquent patented claims - M.S. 1457 ) placer

Rex Creek

John S. Taylor - 1 gold lode claim )  
John S. Taylor - 2 cinnabar claims ) On Mt. Andrus  
John S. Taylor - 3 moly claims )  
Walter Lee Holmes - patented gold placer claims - M.S. 1456  
State of Alaska - delinquent patented claims - gold placer - M.S. 1402,1403,1404,  
1454,1473,1089,1090,1091,1092,1095  
John S. Taylor - 1 placer claim -head of Rex Creek (gold)  
Walter L. Holmes - 2 gold placer claims  
Burton A. & Pearl Williams - patented gold placer claims

Glacier Creek

Charles Nelson, Charles McCarthy - patented claims - M.S. 1588 (copper lode)  
Delano Mining Co. - 20+copper lode claims -  
James McGavock, Carl Anderson - patented claims - M.S. 1466 & 1467 (copper lode)

Idaho Gulch, tributary of Copper Creek

Dan Creek Mining Co. - patented claims - gold placer - M.S. 949

In the mountains between Root Glacier and McCarthy Creek (all lodes - Cu-Ag)

Kennecott Copper Corp. - patented claims - many  
State of Alaska - delinquent patented claims (Cu,Ag) - M.S. 1081 A&B, 1082 A&B, 1572

COMPLETE LIST OF U.S. GEOLOGICAL SURVEY REFERENCES TO  
PRINCE WILLIAM SOUND COPPER DEPOSITS

<u>USGS Bulletins</u>	<u>Pages</u>	<u>USGS BULLETINS</u>	<u>Pages</u>
284	82-87	692-A	18, 31
314-A	27	692-C	144-149, 157
345-C	178		165, 171-172
379-C	87-96, 103-106	712-A	32, 33, 35
	Plate V	714-A	12-14, 21-24
442-A	32, 39		69-70, 77
442-D	164-165, 170	722-A	19-21, 39-40
443	52-70, 78	739-A	10, 23, 24
480-B	31-32	755-A	15, 28, 29
480-C	81	755-C	119
520-A	27-28	773-A	28, 38
542-A	34, 36	783-A	20-21
542-D	97-124	792-A	27-28
587	233-236	797-A	32, 35
	Plate III	810-A	45-46
592-A	62	813-A	53-55
592-G	240-243	824-A	22, 59, 60
605	13-14, 51-72	836-A	21, 22, 61
	87-122, Plate I	844-A	60-61
622-A	44-45	857-A	57
622-E	131-134, 151-153,	947-E	85-92
	156-157, 187-188	963-B	51-77, Plate VI
642-D	138-141, 144-145	773-C	141-158
662-A	44		
662-C	125, 129, 184-187,		
	201-206, 209-220		

U.S. BUREAU OF MINES BULLETINS

<u>USEM BULLETIN</u>	<u>Pages</u>
142	38-43, 52
153	43-50
405	25-26, 205-206,
	219-220, 269

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MINERAL DEPOSITS IN THE MORE REMOTE AREAS OF  
THE CORDOVA, McCARTHY, AND CHITINA DISTRICTS

<u>Name or Location</u>	<u>Type</u>	<u>Principal Minerals</u>	<u>Description</u>	<u>Reference</u>
1. McKinley Lake Prospects	Lode Gold	Pyrite Arsenopyrite	Former producer. Several properties on a number of gold-quartz veins from a few inches to 20 feet wide and paralleling the beds of the Orca Sedimentaries. Values average \$10 to \$20 with assays reported to \$100 at the old price.	USGS Bull. 542, pp. 78-80
2. Katalla Oil	Oil	Oil	Former producer. Possibilities of a large oil field. More exploration needed to determine extent.	USGS Prelim.
3. Bering River Coal	Coal	Coal	High grade coal, including coking coal and anthracite, is definitely known here. Reports have not been too enthusiastic but very little actual prospecting or development work has been done.	USGS Circ. 146, 1951
4. Standard Mines Co.	Lode Gold	Pyrite, Galena	Gold-quartz vein, 13 inches wide in schist and carrying visible free gold. Assays up to \$60, old price.	USGS Bull. 576, p. 51
5. Lower Brenner River Prospects	Placer Gold	Native Gold	Two widely separated placer prospects. No production.	USGS Bull. 576, pp. 47-49
6. Yellow Band Group	Lode Gold	Gold Pyrite	Mineralized dike and vein in graywacke and slats. One channel sample across the dike was 7 feet long and was \$20 per ton. Other assays ran from \$14 to \$400.	Roehm 1936-38

7. Golconda Creek Placers	Placer Gold	Native Gold	Past producer. Shallow gravel resulting from older reworked channel. A few benches left from older channel.	USGS Bull. 576, pp. 45-48
8. Bremner Mining Co.	Lode gold	Pyrite Galena	Past producer. Several gold-quartz veins in area of slates and graywackes that are cut with light colored prophyritic dikes.	USGS Bull. 894 p. 128
9. Bear Mine Group	Lode gold	Gold Silver	Fissure filling varying from a few inches to 3½ feet and traceable for 250 feet. Roehm reports values from \$1.75 to \$22.82 and recommends further work. Other smaller veins present.	Roehm 1936
10. O'Hara Prospect	Lead-Zinc	Galena, Pyrite Sphalerite	Twelve-foot ore body carrying 10 to 15% lead, also sphalerite and pyrite. Sheppard considered it a good prospect. Another similar deposit reported 5 miles north.	USGS unpub. 1944 Sheppard 1925
11. Canyon Creek	Copper	Pyrite Chalcopyrite	Minerals are in peridotite, which is probably faulted into limestone. It is reported that assays show nickel also.	USGS Bull. 576, p. 53
12. Spirit Mountain Prospect	Nickel-Copper	Pyrrhotite Chalcopyrite Bravoite	Peridotite and pyroxenite, carrying sulfides intruded into Carboniferous metamorphics. Estimated reserves, 6,500 tons in sight. Sample assays from 0.22 to 7.6% nickel and 0.12 to 1.56% copper.	USGS Bull. 943-C pp. 49-57
13. Falls Creek	Copper	Bornite Covellite Chalcopyrite	Ore minerals in greenstone. Geology confused.	USGS Bull. 576, p. 52

14. Surprise Creek	Copper	Chalcopyrite Pyrite Chrysocolla Chalcocite	Shattered zone in greenstone contains quartz plus ore minerals.	USGS Bull. 576,p. 52
15. Tenas Creek	Copper		No information on this except that it is marked on Miller's map.	
16. Blakney Prospect	Copper	Pyrite Chalcopyrite	Fractures in fault zone in greenstone filled with sulphides forming small veins of sulfides totaling about 3 feet in width. Very promising prospect.	USGS Bull. 576, pp. 50-51
17. Mile 100 & vicinity	Lode gold	Galena	One gold-quartz vein which is 4 feet thick, and another vein which is reported to carry values of \$45 at old price.	USGS Bull. 576,p. 50
18. Chitina Prospect	Lode gold	Gold	Nothing on this except for Miller's map symbol.	Newspapers
19. Benito Creek	Lode gold	Pyrite Arsenopyrite Chalcopyrite	Three-foot quartz vein in diorite and basalt. Vein well defined for 600 feet. Carries free gold, some of it in large pieces, and silver. Two other large quartz veins nearby.	USGS Bull. 745, pp. 142-143
20. Elliot Creek	Copper	Bornite Chalcopyrite Chalcocite	Deposits in greenstone along fractures as filling and replacements. Prospects hold great promise and cover area of six miles along upper part of creek. Over 15 properties were staked at one time, some of which carried good gold values also.	USGS Bull. 745, pp. 115-125



21. Copper Creek	Copper	Bornite Chalcopyrite Malachite Azurite	Nine properties on three forks of Copper Creek along the limestone-green stone contact. Some are in the limestone as replacement deposits, and some are in the greenstones. No producers, but one contains a significant amount of indicated ore.	USGS Bull. 745, pp. 101-104 USGS Bull. 947-G, pp. 124-132
22. Rock Creek	Copper	Bornite Chalcopyrite	Crushed calcite zone 3 to 3½ feet wide in greenstone carries small irregular bodies of ore minerals.	USGS Bull. 745 pp. 104-105
23. Iron Dyke	Lode gold	Gold Silver	Report missing from files. No information obtainable.	Sheppard 1926
24. Silver Star Group	Copper-Silver	Tetrahedrite Galena Azurite Malachite	Fault zone 30 inches thick is filled with ore-bearing quartz. The chief mineral is the silver-bearing tetrahedrite. Assays show silver from 25 to 700 ounces, copper from 1 to 32%, and some bismuth.	USGS Bull. 745, pp. 110-112
25. Mineral Creek	Copper	Pyrite Chalcopyrite	Numerous mineralized faults. Assays reported to also show \$9.75 in gold (old price) and 3 ounces of silver.	USGS Bull. 745 pp. 114-115
26. Lost Cabin Group	Copper	Chalcocite Chalcopyrite Bornite	Copper is disseminated in greenstone below the limestone and without gangue.	USGS Bull. 745, pp. 112
27. Good Enough Group	Copper	Native-Copper Chalcocite Cuprite	Mineralized fracture zones in basalt. Quartz and calcite associated. Some greenstone replacement.	USGS Bull. 745, pp. 112-113
28. Fall Creek	Copper	Bornite Chalcocite Native Copper Cuprite	Minerals in fractured amygdaloidal greenstone.	USGS Bull. 745, pp. 113-114

29. Surprise Creek	Copper	Chalcocite Chalcopyrite Bornite	Three or four prospects on mineralized shear zones up to four feet wide in greenstone which is intruded by granodiorite.	USGS Bull. 745, pp. 108-110
30. Roaring Creek	Copper	Chalcocite Native Copper	A fairly large area over which the copper minerals are scattered in small amounts through the greenstone. This creek offers excellent opportunity for a limited amount of water power.	USGS Bull. 745, pp. 105-107
31. Porcupine Creek	Copper	Chalcopyrite Malachite	A few properties developed in the Nikolai greenstone. Small fissures in the sheared country rock. A little gold is reported to be included.	USGS Bull. 745, p. 128
32. Clear Creek	Copper	Pyrite Chalcopyrite Bornite	Several properties near the limestone-greenstone contact, but on the greenstone side. Prospects not too good, although a large amount of development work was done on one in the expectations of a low-grade operation. Small production.	USGS Bull. 947-G pp. 132-136
33. Nugget Creek	Copper	Bornite Chalcopyrite Pyrite Native Copper	Good and extensive mineralization in amygdaloidal basalts and greenstones. However, extensive underground workings appear to indicate that minerals fade with depth. Small production.	USGS Bull. 745, p. 128- 133 USGS Bull. 947-G, pp. 136-137
34. Finch Group (Big Horn)	Copper	Bornite Chalcocite	A group of prospects on small veins in fractured and faulted greenstones.	USGS Bull. 745, pp. 133- 135
35. Mayflower Claim	Copper	Bornite Chalcocite	Minerals are in faulted fracture zone which also contains quartz. Possibilities of ore body are good. Location is in very rugged terrain.	USGS Bull. 745, pp. 135-136

36. Pierson Claim	Copper	Pyrite Chalcopyrite	Two to three foot shear zone near contact. Mostly staining.	USGS Bull. 745, p. 136
37. Berg Creek	Lode gold	Pyrite Chalcopyrite	Near the Berg Creek copper deposit. Veins are near diorite-limestone contact, and show a variety of phases of mineralization. Assays show values of up to \$450, old price, but average is much less. Former producer.	USGS Bull. 745, pp. 143-146
38. Berg Creek	Copper	Magnetite Pyrite Chalcopyrite	Minerals occur in veins in diorite which has intruded the nearby limestone. No production, but these prospects are very good and also carry gold and silver.	USGS Bull. 745, pp. 140-141
39. Copper Queen	copper	Pyrite Garnet Chalcopyrite Magnetite	Considerable quantity of mineralization in greenstone near contact. Geology confused, but prospect good.	USGS Bull. 745, p. 139
40. MacDougall Creek	Copper	Pyrite Pyrrhotite Magnetite Chalcopyrite	Several prospects in limestone - diorite contact area. Possibilities of ore bodies not great.	USGS Bull. 745, pp. 137-139
41. Trail Creek	Copper	Iron and Copper Sulphides	Good outcrops, but underground work disclosed no ore.	USGS Bull. 745, pp. 136-137
42. Kinney-Golden Property	Copper	Chalcopyrite	Seven claims on shale-limestone contact. Copper is found along the contact and in nearby greenstone.	USGS Bull. 662, pp. 160-161
43. Lakina Prosp.	Copper	Chalcocite Bornite Native Copper	Veins along fracture planes in shear zone. Also native copper in greenstone at different location. Small production.	USGS Bull. 662, pp. 161-162

44. Hidden and Fourth of July Creeks	Copper	Bornite Chalcopyrite Chalcocite	Minerals are in greenstone along limestone contact in many places on both creeks. A little production on Fourth of July Creek.	USGS Bull. 947-F-. 119
45. Regal Prospect	Copper	Malachite	Apparently no large bodies exposed. Malachite in shale at limestone-greenstone contact.	USGS Bull. 947-F, pp. 101-103
46. Kennecott Copper Corp.	Copper	Chalcocite Azurite Malachite Covellite	Over a billion pounds of copper produced from four deposits in the Chitistone limestone above the greenstone contact. Operation closed because of lowering copper price, increasing costs, labor difficulties, and lowering grade of ore.	USGS Bull. 947-F pp. 99-101
47. Porphyry Mountain	Molybdenum	Molybdenite	Molybdenite-quartz vein in granite porphyry varying from 4 to 18 inches in width and exposed for 140 feet. Two channel samples show values of 1.83% and 0.87% molybdenum.	Saunders 1951
48. Tjosevig Prospect	Copper	Malachite Azurite	Minerals in thin films and veinlets in limestone.	USGS Bull. 947-F, pp. 104-105
49. Green Butte Mine	Copper	Chalcocite Bornite Malachite	Produced about 1,500 tons of high-grade copper ore. Copper in limestone close to contact. Ore averaged 1200 pounds of copper and 10 ounces of silver to the ton. Significant quantities of ore probably remain.	USGS Bull. 947-F, pp. 103-104
50. Nikolai Prospect	Copper	Chalcopyrite Bornite	No production. Copper in two shear zones in greenstone. One is exposed for 150 feet and is one to four feet thick. The other is smaller. Probably 1500 tons of 25% copper in sight.	USGS Bull. 947-F, pp. 106-108 Wimmler 1924- 1925, J.C. Shepard 1926

51. Peavine Prospect	Copper		No geological information available. No production.	USGS Bull. 947-F p. 120
52. Houghton-Alaska Co.	Copper		On limestone-greenstone contact, but no further geological information available. No production.	USGS Bull. 947-F, p. 120
53. Contact Gulch	Copper		On limestone - greenstone contact, but no further geological information available. No production.	USGS Bull. 947-F p. 120
54. Nelson Prospect	Copper	Chalcocite Covellite	Small production. Openings in limestone filled by mineralization, which also replaced it along bedding planes and fissures. Over 130 tons of 60% material in sight. Very good prospect.	USGS Bull. 947-F, pp. 110-114 Roehm 1936
55. Radovan Prospects	Copper	Pyrite Chalcocite Chalcopyrite	Minerals are in massive lenses, thin veins, fracture fillings, and as disseminated grains in a 20 foot layer of limestone for 200 feet. Smaller lenses and fissure fillings elsewhere.	USGS Bull. 947-F, pp. 114-117
56. Erickson Prospect	Copper	Native Copper Chalcocite Malachite Cuprite	Some production. Minerals are restricted to a 6 to 8 foot amygdaloidal greenstone flow. Native copper is the chief mineral. The average value is estimated at less than 5%, but parts of the bed may contain up to 10%.	USGS Bull. 947-F, pp. 117-118
57. Westover Prospect	Copper	Bornite Chalcocite Malachite	Minerals are in lenses, veins, and fractures, and ore also disseminated in the limestone. Bedding faults were the control, Small production. About 100 tons of 30% ore and 100 tons of 10% ore in sight.	USGS Bull. 947-F, pp. 108-110 Wimmler 1924- 1925, Shepard 1926

58. Dan Creek	Copper	Bornite Chalcopyrite Chalcocite Native Copper	Several properties on mineralization in the greenstone. No production. Native copper in the placer gravels.	USGS Bull. 947-F, pp. 119-120
59. Dan, Copper Chititu, and Rex Creeks	Placer Gold	Native gold Native copper Native Silver	All past producers, but not worked out. These once profitable gold placers were shut down only because of economic conditions. Favorable reserves remain.	USGS Bull. 448, pp. 100-107 USGS Bull. 894, pp. 128-129
60. Williams Peak	Antimony- Gold	Stibnite Gold	Two narrow well-defined sheet-like veins which average about 14 inches in width. Assays show values in antimony up to 15% and in gold up to 1.1 ounces.	Roehm 1936- 1938 Holdsworth 1952
61. Young Creek	Placer Gold	Native gold	Low grade ground, but a long stream. Little production. Native copper and silver associated.	USGS Bull 675, pp. 74-76
62. Erickson Gulch	Copper	Sulphides	Copper sulphides in a shear zone in greenstone. Little work done on it.	USGS. Bull. 675, pp.78
63. Canyon Creek	Molybdenum	Molybdenite	Vein reported to be 8 feet wide and in granite. The moly forms solid vein 12 inches thick, then in stringers through the quartz for the rest of the width. Very good prospect. Further moly reported by local prospector to show on Hawkins Glacier side.	USGS Bull. 675, p. 79 USGS Bull. 926-C, pp. 182-183
64. Hawkins Glacier	Copper	Chalcopyrite Native Copper	Vein carrying sulphides cuts greenstone. Nearby greenstone contains native copper.	USGS Bull. 675, p. 78

65. Barnard Glacier and Chitina River	Copper Lead	Chalcopyrite Chalcocite Galena	Throughout this area, copper minerali- zation is found. Galena also shows up in part of the area. The Martin Harrais pro- perty is probably included in this area.	USGS Bull. 675, pp. 78- 79 Harrais Report
66. Kiagna River	Placer gold	Native gold	Low grade placer ground. Small production.	USGS. Bull. 675, pp. 77-78
67. Kiagna River	Iron Ore	Sulphides	A large vein of sulphides crosses the branches of the Kiagna. It was staked as iron ore, but no work was done.	USGS Bull. 675 p. 78

**IN THE SUPERIOR COURT FOR THE STATE OF ALASKA  
THIRD JUDICIAL DISTRICT AT ANCHORAGE**

IN THE MATTER OF FORECLOSURE OF LIENS  
PURSUANT TO THE ALASKA REGISTRATION  
LAW OF 1953, AS AMENDED, BY THE STATE  
OF ALASKA

**LIST OF DELINQUENT PENALTIES ON REAL PROPERTY  
FOR FAILURE TO FILE A STATEMENT OF OWNERSHIP PRIOR TO DECEMBER 31, 1965**

Every person having any right, title or interest in or lien upon any parcel described in the list of delinquent penalties appearing below may redeem such parcel by paying to the Director, Division of Lands, Department of Natural Resources, 344 Sixth Avenue, Anchorage, Alaska, all of the sums listed in such list of delinquent penalties prior to the date of judgment, which will be taken after the expiration of eighty (80) days from the date of filing of such lists, or he may serve a duly verified answer upon the Attorney General or the Clerk or Court within said eighty-day period. Such answer shall set forth in detail the nature, character and amount of his interest and any defense or objection to the foreclosure of the lien. The caption of such answer shall contain a refer-

ence to the delinquent serial number of each parcel. The State will take judgment and possession of all parcels listed in the delinquent list except those which have been redeemed and with respect to which an answer has been filed. Property may thereafter be redeemed within one year from the date of judgment, and, upon such redemption, the former owner shall receive a quit-claim deed from the State. After the expiration of the one-year period following judgment, the former owner of record, or his assigns, is entitled to repurchase the property for the amount of the delinquent penalties appearing below if the State has not sold the property or devoted it to a public purpose and constructed improvement thereon.

DESCRIPTION OF PARCELS OF PROPERTY SUBJECT TO LIENS FOR FAILURE TO PAY THOSE PENALTIES IMPOSED BY ALASKA STATUTES 34.10 FOR A PERIOD OF AT LEAST ONE YEAR AFTER SAID PENALTIES BECOME DUE AND PAYABLE.

Delinquent Serial No.	Description	Area Acres	Known Owner Thereof	Penalty	Interest	Lien Advertising	Total
<b>ALEUTIAN ISLAND RECORDING PRECINCT</b>							
3-1-65	U.S.S. 3866, Lot 10	7,414 sq. ft.	Mike and Nida Miller	\$10.00	\$ .60	\$3.00	\$13.60
3-2-65	U.S.S. 3866, Lot 51	25,051 sq. ft.	Fred Gould	10.00	.60	3.00	13.60
<b>CHITINA RECORDING PRECINCT</b>							
3-3-65	U.S.M.S. 941 <i>Kx 87-117</i>	19.87 acres	Frank J. Nolan	10.00	.60	3.00	13.60
3-4-65	U.S.M.S. 942	135.96	Frank J. Nolan	10.00	.60	3.00	13.60
3-5-65	U.S.M.S. 943 <i>Kx 87-115</i>	102.78	Frank J. Nolan	10.00	.60	3.00	13.60
3-6-65	U.S.M.S. 944 <i>Kx 87-119</i>	81.53	Frank J. Nolan	10.00	.60	3.00	13.60
3-7-65	U.S.S. 4016, Lot 3	5.00	John V. Hefkey	10.00	.60	3.00	13.60

Filed with the Clerk of Court at Anchorage, Alaska, this 6th day of April, 1966  
Civil Action Number 66-642 C

ROSCOE E. BELL, Director  
Division of Lands

UNITED STATES OF AMERICA )  
State of Alaska ) ss.

Roscoe E. Bell, duly qualified Director of the Division of Lands of the State of Alaska, being duly sworn, deposes and states: That he has prepared and read the foregoing pleadings and knows the contents thereof and that the list of delinquent penalties and interest, together with the other data set forth therein, are verily believed to be true and accurately reflect the contents of the original records and information on file in the office of said Director of the Division of Lands of the State of Alaska.

ROSCOE E. BELL, Director  
Division of Lands

Subscribed and sworn to before me this 5th day of April, 1966.

EDITH BUTCHER  
Notary Public in and for the State of Alaska  
My Commission expires November 9, 1968

Publish Saturday, April 16, 23, 30, May 7 & 14, 1966

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everyone broke into the birthday song. The women's guild gave her a silver dish and brought out a lovely cake to celebrate the birthday and the great success of the show.

Three formal balls have become regular highlights of the Anchorage social season: the International Ball by the Alaska World Affairs Council in the fall, the Christmas Ball by the Anchorage Woman's Club, and the Crystal Ball by the Alaska Festival of Music in the spring.

All are major fund-raising events. Each group has wrestled annually with the idea of raising the long-standing charge of \$25 per couple. Each has rejected it, until this year.

Next Saturday's Crystal Ball is the first event of its kind to require \$30 per couple. Perhaps a now-larger Anchorage can and will support this rate.

Eight women and two men returned from their first strip to Europe Thursday with wide-eyed enthusiasm and very tired feet.

The group toured six countries in three weeks with Mrs. Jim Garrett organizing and arranging activities. Their visit to Garmisch-Partenkirchen in Germany was the highlight of the trip, said Mrs. Garrett.

The travelers were Mrs. Tyrone Powell, Mrs. Glen Fuller, Mrs. M. E. Walker, Mrs. Burt Johnston, Mrs. Douglas Teninty, Miss Dodie Johnson, Miss Rosalie White, Mrs. Anastasia Rykman, Oscar N. Ingold and Cletus Burger.

Sue Booch returned Sunday from more than two months outside visiting relatives after undergoing surgery at the Stanford Hospital in Palo Alto, Calif.

She stayed with her sister, Mrs. F. E. (Eleanor) Marshall, in Los Altos, Calif. Their excursion to Reno was not as profitable as Sue's winnings from the horse races in Portland but it was fun!

In Boise, Ida., she stayed with her mother, Mrs. Myrtle Arthur, and sister, Julia Arthur. Also, she visited with Ben Wheeler, formerly here with the Small Business Administration and the Matanuska Valley Bank, now living in Boise.

Another Alaskan she ran into was A. J. Peters who was visiting his sister in Sunnyvale, Calif.

The second annual Decompression Party for Anchorage area legislators hosted by the Chuck Sassaras was a great success. Battles and bills were buried for booze and banter as only an informal potluck dinner party can accomplish.

While the 32 adults carried on inside the house, the Sassaras's children and some friends were preparing to spend an adventurous night sleeping in a tent in the yard.

Slowly, the younger children drifted into the house and went to sleep in warm, cozy beds. The lone adventurer left in the tent was the Sassaras's nine-year old son.

When the party was over, the host said good-night to the hostess, bundled into warm clothing, crossed the lawn into the world of Man against Nature and joined his son in the tent.

Chuck found the experience educational: 1 cool night plus 1 sleeping bag equals stiff joints. But, as Confucius say, honorable No. 1 son with sporting father has happy childhood.

## Dad's Special Ham Will Delight Mom

# Community Calendar

**SATURDAY, MAY 7**

TEEN TOWN Twirlers and Junior Mer-  
rymixers, cafeteria, community cen-  
ter, 6:30-9 p.m.

MUSEUM of Cook Inlet Historical So-  
ciety, basement of city hall annex,  
use alley entrance from G Street,  
1-5 p.m.

DLDES and Dames Square Dance Club,  
Odd Fellows Lodge, 8 p.m.

SPEECH Contest, District 57, Toast-  
masters International, Ft. Richardson  
Officers' Club, cocktail hour, 7 p.m.,  
dinner, 8 p.m.

SPORTS, Boat and Travel Show, Sports  
Arena, 10 a.m.-10 p.m.

SPRING Ceremonial Ball, Shrine Club,  
Anchorage-Westward Hotel, 8 p.m.

CAR WASH, Wendler and Central Jun-  
ior High Future Homemakers of  
America; Wendler at school parking  
lot, Central at Spenard S & F Food-  
LAND Store.

ALCOHOLICS Anonymous: salamon  
group, open meeting, Salvation Ar-  
my, 3 p.m.; arcite family group ala-  
non meeting, All Saints Episcopal  
Church, 3 p.m.; alano club, 115 14th  
Ave., weekdays, 2:30-10 p.m.; week-  
ends, noon-midnight.

MOTHER-DAUGHTER banquet, Wom-  
en's Guild, Anchorage Lutheran  
Church, parish hall, 5:30 p.m.

SPRINGTIME Dance, District 1, Alaska  
Nurse's Association, American Legion  
Hall, Northern Lights Boulevard, 9:30  
p.m.-1:30 a.m.

TURNAGAIN Rainbow Assembly 10,  
Installation of officers, York Rite  
Temple, 7 p.m.

ART EXHIBIT, community center art  
classes, Loussac Library, 10 a.m.-  
9 p.m.; Sunday, 2-5 p.m.

NORTH STAR Rainbow Assembly, In-  
stallation, Orion Junior High School,  
Elmendorf, 7 p.m.

**SUNDAY, MAY 8**

ANCHORAGE Racquet Club, tennis,  
badminton, ping pong, gymnasium in  
community center, 2-4 p.m.

SPORTS, Boat and Travel Show, Sports  
Arena, 10 a.m.-10 p.m.

ALCOHOLICS Anonymous, alano club,  
open breakfast meeting, 110 14th Ave.,  
11 a.m.; Alaskantes, open meeting,  
recreation room of Alaska Native  
Medical Center, 8 p.m.; alano club,  
110 14th Ave., weekdays, 2:30-10  
p.m.; weekends, noon-midnight.

ART Exhibit, Northern Lights Service  
Club, Elmendorf, noon-9 p.m.

MOTHER'S Day tea, Northern Lights  
Civic and Social Club, Pioneer Hall,  
3-5 p.m.

ART Exhibit, community center art  
classes, Loussac Library, 2-7, 2-6  
p.m.

**MONDAY, MAY 9**

ANCHORAGE Folklanders, community  
center, 7:30 p.m.

EAGLES auxiliary, Eagles Lodge, 8  
p.m.

CHUGACH Rebekah Lodge 10A, Odd  
Fellows Lodge, 8 p.m.

UNITED Church Women, May Fellow-  
ship Day, Alaska Methodist Univer-  
sity, 7 p.m.

ART Exhibit, community center art  
classes, Loussac Library, 10 a.m.-  
9 p.m.

DENALI chapter, Order of Eastern  
Star, York Rite Temple, 8 p.m.

ORAH DEE Clark Parent-Teacher As-  
sociation, at school, 7:30 p.m.

YMCA: health club, men, 7:30 p.m.;  
beginning bridge, class, 7:30 p.m.;  
family swim at Spa, 7:30 p.m.; swim  
class at Spa, 4:15-6:30 p.m.; round  
dancing with George Ioanin, 8-10  
p.m.

ANCHORAGE Jaycees, Legion Hall,  
7:30 p.m.

ALCOHOLICS Anonymous: totem group,  
open meeting, 5040th hospital confer-  
ence room, Elmendorf, 8 p.m.; alano  
club, 110 14th Ave., weekdays, 2:30-  
10 p.m.; weekends, noon-midnight.

**TUESDAY, MAY 10**

ELMENDORF Toastmasters Club, El-  
mendorf NCO Club, noon.

KAREEGEE Toastmasters Club, Ft.  
Richardson Officers' Club, noon.

ALASKA Toots of the World, Salvation  
Army, 7:30 p.m.

PARLIAMENTARY Procedure class,  
room 106, community center, 8 p.m.

TOPS Tater-Trimmers, reducing club,  
home of Mrs. Samuel Provost, 2400  
Creekside Road, 7:30 p.m.

NORTHLAND Amateur Radio Club,  
community center, 7 p.m.

ANCHORAGE Business and Profession-  
al Women's Club, Leo's Supper Club,  
6:30 p.m.

WOMEN of the Moose, Moose Lodge,  
8 p.m.

PTARMIGAN Business and Profession-  
al Women's Club, Captain Cook Ho-  
tel, noon.

AMARANTH Alaska Ct. 1, Scottish Rite  
Temple, 8 p.m.

ARCTIC Toastmistress Club, cafeteria,  
Presbyterian Hospital, 8 p.m.

**SHOWER GIFTS  
TOYS  
CHILDREN'S WEAR**

Anchorage's Largest Selection



**JUNIOR  
TOWNE**

Sizes thru 14  
1017 W. Fireweed  
279-2824

**Silver**

**SAVINGS CLUB  
WINNERS**

May 5, 1966

Jerry Setty -----  
Open -----  
B. Kimura -----  
Yukino Imada -----  
Open -----  
Helen McClure -----  
G. Parker -----  
Not Paid -----  
Alice Williams -----  
Laura Dixon -----

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Form 1  
**MEMORANDUM**

**State of Alaska**

REC'D. JUNEAU  
AUG 8 1966  
Div. Mines & Minerals

To:  Jim Williams, Director  
Division of Mines & Minerals

THRU: L. T. Main ~~✓~~  
Lands Disposal Officer

DATE: August 4, 1966

FROM: Sue A. Wolf  
Land Registration Clerk

SUBJECT: Chitina-McCarthy Mineral Sale

Attached is a copy of the successful bidders list showing the purchasers' name and address and the sale price. Quitclaim Deeds have been issued to the persons indicated by an asterisk.

SAW: jea

*Sue*

Attachment

*J. J. - 8*

REC'D. JUNEAU

AUG 8 1966

Div. Mines & Minerals

DESCRIPTION	ADL NO.	PURCHASER	ADDRESS	SALE PRICE
Unit 1 M.S. 547	33084	John H. Huber	Box 2097, Fairbanks	\$ 375.00
86-134 2 M.S. 613	33085	Harry E. Hoerter	Star Route, Box 925, Chugiak	300.00
86-134 3 M.S. 654	33086	* Sidney & Juanita Abbott	Box 100, St. Rt. A, Spenard	225.00
86-138 4 M.S. 655	33087	Byron McDonough	Box 544, Anchorage	300.00
86-138 5 M.S. 156	33088	* Barbara A. Thomas	1001 Sunset Dr., Amarillo, Texas	125.00
87-48 6 M.S. 873	33089	Walter Wigger	900 Park Drive, Fairbanks	1,775.00
87-65 7 M.S. 874, 1081A, 1082 AEB, 1572	33090	Walter Wigger	900 Park Drive, Fairbanks	10,500.00
87-66 8 M.S. 875	33091	Harold D. & Ester T. DeWitt	Box 1374, Fairbanks	1,600.00
87-45 9 M.S. 893	33092	O. H. Thorgaard	Box 1759, Fairbanks	6,100.00
87-52 24 M.S. 1455	33084	John H. Huber	Box 2097, Fairbanks	525.00

UNITS 10 THROUGH 23 and Unit 25 WERE PULLED PRIOR TO AUCTION.

*J. J. - 8*

The group will leave Juneau July 6 for Glacier Bay, Anchorage, Kenai Peninsula, Chenik Mountain, Lake Iliamna, Lake Clark, Cook Inlet, Nome, Kobuk, Candle, Kougarok, Lost River, Teller, Kotzebue, Fairbanks, University of Alaska, Nenana Coal Fields, Whitehorse, Juneau, Ketchikan, Prince of Wales Island, and return to Seattle July 13.

The purpose of the trip is to acquaint these officials with the size of the State, the number of known mineralized areas, the old mining districts and the remarkable mining activity on the Canadian side of the border.

MORE PATENTED MINING CLAIMS FOR SALE

DATE OF AUCTION: July 14, 1966  
 TIME OF AUCTION: 1:00 P.M.  
 PLACE OF AUCTION: Copper Center Roadhouse

Subject to the provisions of Section 38.05.050, Title 38, Alaska Statutes, and pursuant to the regulations promulgated thereunder, the Director of the Division of Lands or his authorized representative will sell the following lands within the Chitina and McCarthy Recording Districts:

Twenty-five units of foreclosed mining claims all classified as Utility. Unit numbers, legal description, acreage, and minimum acceptable bids are as follows:

<u>UNIT</u>	<u>DESCRIPTION</u>	<u>ACREAGE</u>	<u>MINIMUM BID</u>
1	USMS 547	41.22	\$ 200
2	USMS 613	41.32	200
3	USMS 654	20.66	100
4	USMS 655	38.35	200
5	USMS 656	19.49	100
6	USMS 873	289.10	1,450
7	USMS 874, 1081A, 1082A, 1082B, 1572	246.74	1,225
8	USMS 875	160.00	800
9	Tom Thumb, Tom Thumb #2, Lucky Boy, Valdez, York, Wilkes-Barre, One Girl and Comstock Lodes in USMS 893	165.29	825
10	USMS 1087	56.96	275
11	USMS 1088	18.29	100
12	USMS 1089	14.58	100
13	USMS 1090	15.38	100
14	USMS 1091	18.30	100
15	USMS 1092	16.21	100
16	USMS 1095	63.66	325
17	USMS 1401	16.53	100
18	USMS 1402	38.35	200
19	USMS 1403	63.38	325
20	USMS 1404	94.80	475
21	USMS 1405 and Rex Gulch Bench #1 and #2, White Gulch Bench #1 and #2, Mosquito Bench, Ruth and Jolly Gulch Bench #1, all in USMS 1473	279.25	1,400

<u>UNIT</u>	<u>DESCRIPTION</u>	<u>ACREAGE</u>	<u>MINIMUM BID</u>
22	USMS 1406	36.93	175
23	USMS 1454	35.60	175
24	Whistler and Big Horn Lodes in USMS 1455	39.93	200
25	USMS 1457	14.75	100

Brochures, maps and other information may be obtained from the Division of Lands  
344 Sixth Avenue, Anchorage, Alaska, or at its branch offices in other cities.

#### NEW DIVISION REPORTS

Printing has been completed on nearly all of the reports to be issued by the Division for field work accomplished during the 1965 field season. These reports are now in the process of being assembled and will be ready for distribution in early July. To be released are:

Geologic Report No. 18, Geology of Chromite Bearing Ultramafic Rocks near Eklutna, Anchorage, Quadrangle, Alaska, by A.W. Rose.

Geologic Report No. 20, Geological and Geochemical Investigation in the Eureka Creek and Rainy Creek areas, Mt. Hayes Quadrangle, Alaska, by A.W. Rose.

Geologic Report No. 21, Geology of the Slana District, Southcentral Alaska, by D.H. Richter.

Geologic Report No. 22, Geology and Geochemistry of the Nixon Fork Area, Medfra Quadrangle, Alaska, by Gordon Herreid.

Geologic Report No. 24, Preliminary Geology and Geochemistry of the Sinuk River Area, Seward Peninsula, Alaska, by Gordon Herreid.

Geochemical Report No. 7, Geochemical Investigations Along Highway and Secondary Roads in Southcentral Alaska, 1965, by M.W. Jasper.

Geochemical Report No. 11, A Geochemical Investigation of Stream Sediments in the Elliott Highway Area, Alaska, by W.M. Burand.

Yet to be edited is Geological Report No. 23 on Hannum Creek.

#### NOTICE OF COMPETITIVE COAL LEASE SALE NO. 3

The Division of Lands, Department of Natural Resources, will offer for competitive leasing for coal the lands described as follows:

Tract #1  
T. 19N, R2E, Seward Meridian  
Section 22: E $\frac{1}{2}$  SE $\frac{1}{4}$   
80.00 acres, more or less

Tract #2  
T. 19N, R2E, Seward Meridian  
Section 23: W $\frac{1}{2}$  NE $\frac{1}{4}$ , NW $\frac{1}{4}$ , S $\frac{1}{2}$   
Section 26: N $\frac{1}{2}$   
880.00 acres, more or less

STATE OF ALASKA

Inter-Department Route Slip

TO: Division of Mines & Minerals  
DEPT: Division of Mines & Minerals

ATTN: Juneau

- |  |  |
|--|--|
| <input type="checkbox"/> Approval      | <input type="checkbox"/> Note & Return       |
| <input type="checkbox"/> Signature     | <input type="checkbox"/> Initial & Return    |
| <input type="checkbox"/> Comment       | <input type="checkbox"/> Return As Requested |
| <input type="checkbox"/> Contact Me    | <input type="checkbox"/> Return For Approval |
| <input type="checkbox"/> Prepare Reply | <input type="checkbox"/> Necessary Action    |
| <input type="checkbox"/> For Your File | <input type="checkbox"/> Your Information    |

Remarks:

From: Land Registration Date 7/26/66  
Dept: Land Registration

By: Sue Wolf

# MEMORANDUM

## State of Alaska

193  
3rd District

REC'D. JUNEAU

JUL 29 1966

Div. Mines & Minerals

To: [

Jim Williams, Director  
Division of Mines & Minerals

DATE July 27, 1966

FROM:

L. T. Mair  
Lands Disposal Officer

SUBJECT: Redemption of Foreclosed Mineral  
Surveys

Quitclaim Deeds were issued on July 20, 1966, to Manufacturers Hanover Trust Company, Trustees under Deed of Trust made by John E. Andrus, releasing the State's interest in U. S. Mineral Surveys 1087, 1088, 1089, 1090, 1091, 1092, 1095, 1401, 1402, 1403, 1404, 1405, 1406, 1454 and 1473. Kx 87-72

A Quitclaim Deed was not issued for USMS 1457 because we have not received proof of ownership; however, they did file a Statement of Ownership and pay the penalty that was due on it.

SAW:jei

cc: Fairbanks Area Office  
Juneau Area Office

87-30

Kx 82-71  
110

Kx 87-71

XERO COPY XERO COPY XERO COPY XERO COPY

MINING CLAIM HOLDERS IN THE KODIAK RECORDING DISTRICT

November 29, 1966

Edwin Seilar & John Cooksey  
King Cove, Alaska

Grace & Bob Hightower  
(no address)

George Cornelius et al  
Box 484  
Kodiak, Alaska

Patrick Lynch  
(no address)

Bill Davis  
2919 N. 36 Street  
Phoenix, Arizona

Marion Owens and  
Ben Deadman  
Box 23  
Kodiak, Alaska

A. E. Gay  
c/o B. C. Hamilton  
508 Sixth Avenue  
Anchorage, Alaska

Harold Pratt with  
Donald & Gerald Clark  
(no address)

Cecil McCord et al  
Box 2047  
Kodiak, Alaska

Donald Petacchi  
(with George Cornelius)

S. E. Lee and  
Mildred Markham  
(no address)

Gerald H. Clark  
(no address)

Kodiak Exploration Co.  
George Cornelius, President

Tom von Scheele  
(no address)

Clara Helgason  
(no address)



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(no address)

Gerald H. Clark  
(no address)

Kodiak Exploration Co.  
George Cornelius, President

Tom von Scheele  
(no address)

Clara Helgason  
(no address)

3 1/2 DLY  
Revised

Name of Owner & No. of claims	Date of Location	Last Assessment Work
Kodiak Exploration Co. 1	1956	None
George Cornelius Niel & Robert VonScheele 2	1953	None
John Cooksey with Edwin W. Seiler (King Cove, Alaska) 3	1960	None
George Cornelius 5	1957	None
" " with 2 Nels Christiansen Raymond Krautter Donald Petacchi Alfred Torgransen Charles Hamilton Emil Knudsen	1954	1956 Relocation
George Cornelius with Donald Petacchi Harold Lawhead Emil Knudson 1	1954	None
George Cornelius with Donald Petacchi Alfred Torgransen 1	1954	None
George Cornelius with Chester C. Fox Emil Knudson 1	1954	None
George Cornelius with Henry Neseth Nels Christiansen Dan Petacchi Charles Hamilton Emil Knudsen 10	1954	None
George Cornelius with Nicholas Anderson Thomas VonScheele Henry Neseth 3	1955	None
George Cornelius with Neseth, Cecil Brown, Curtis Saxton, Robert Hoag, VonScheele, Harold Lawhead, Rodney Saxton & Ken Christofferson 15	1956	1962
Robert Danklefsen, Robert Hoag 1	1955	None
Clara Helgason 7	1955	None
Grace & Bob Hightower 3	1954	None
Kodiak Exploration Co. 62	1954	1962
Kodiak Exploration Co. 1	1956	None

✓ Patrick Lynch	1	1954	1956
✓ Donald Petacchi and George Cornelius	3	1953	None
Donald Petacchi	5	1954	None
Gerald H. Clark	2	1958	None
Tom VonScheele & Willard Hall	1	1959	None
Harold Pratt with Donald & Gerald Clark	1	1959	None
Sam Gamblin	1	1959	None
✓ Glenn A. Arbour with Mike Fitzgerald Henry Meseth Tom & Leta VonScheele Geo. & M. Cornelius Henry & Neville Waterfield Russell Wright Harold & Vivian Lowhead	24	1960	1962

See file  
3rd Dir

October 11, 1965

Mr. V. M. Anderson  
Assistant Manager  
State and Local Tax Department  
Union Carbide Corporation  
270 Park Avenue  
New York, N. Y. 10017

Dear Mr. Anderson:

According to information in our files, your chrome claims are located in the Kenai Borough.

If you will write to Mrs. E. R. Pomeroy, Kenai Peninsula Borough, 1036 M Street, Anchorage, Alaska 99501, I am sure that she can answer your questions.

Very truly yours,

(Mrs.) Dorothy Mihelich, Minerals Analyst  
Division of Mines and Minerals

UNION CARBIDE CORPORATION

270 PARK AVENUE  
NEW YORK, N. Y. 10017

REC'D. JUNEAU

OCT 11 1965

STATE AND LOCAL  
TAX DEPARTMENT

Div. Mines & Minerals

VIA AIR MAIL

October 7, 1965

State of Alaska  
Department of Natural Resources  
Division of Mines and Minerals  
Box 1391  
Juneau, Alaska

Attention: Mr. William H. Race,  
Mining Engineer

Dear Mr. Race:

In your letter dated March 31, 1965, you indicated that you were in the process of compiling mining claim ownership information for the various taxing boroughs of Alaska and that filing and taxation would take place in the subsequent months.

It would be very much appreciated if you could advise the correct name and address, and the borough, to which correspondence may be directed in order to obtain the proper forms for filing returns covering our chrome claims which, I understand, could possibly be located in the Kenai Borough.

Anything that you may send us concerning this will be very welcome.

Very truly yours,



V. M. Anderson  
Assistant Manager

*Leavitt*

VMA/ijs

3rd Div

May 4, 1965

Mrs. E. R. Pomeroy  
Kenai Peninsula Borough  
1036 M Street  
Anchorage, Alaska

Dear Rocky:

Transmittal of Kenai Borough Mining  
Claim Information

Since I do not know the address of your Borough, I am sending this claim information to your home address. I understand the Borough Chairman drops in there once in a while. You can hand this to him on his next visit.

We have included all unpatented claims apparently located within the Borough boundaries which have been located since 1960 and those prior to 1960 for which assessment work has been recorded since 1960. We have also included patented claims. Note that claims which may lie on the wrong side of the boundary are marked with an asterisk.

There are not as many claims as I had thought. I had not realized how many of them had lapsed. Hope this will be of assistance to the Chairman.

Sincerely,

James A. Williams, Director  
Division of Mines and Minerals

JAW:mez  
Enclosure

MINING CLAIMS IN THE KENAI BOROUGH

AFOGNAK QUAD. - nothing

MT. KATMAI QUAD. - nothing

ILIAMNA QUAD.

<u>Name of Owner &amp; Address</u>	<u>Number of Claims</u>	<u>Date of Location</u>	<u>Last Recorded Assessment Work</u>
Pan American Petroleum Corp.*	289	1964	
Yuma Co.* c/o A.E. Milner Box 4-00 Spenard	17	1964	
Donald Fell et al c/o John Roderick Box 399 Anchorage	18	1964	
Great Alaskan Exploration Co. c/o Sewall Faulkner Jack White Co. 508 6th Ave. Anchorage	8	1964	
A.E. Gay et al c/o B.C. Hamilton 508 6th Ave. Anchorage	15	1964	
John H. Stort Jr.	1	1963	none
Alaska Portland Cement Ltd.	2	1964	
Alaska Limestone Corp. 529 3rd Ave. Anchorage	18	1964	

LAKE CLARK QUAD. - nothing

LIME HILLS QUAD. - nothing

TYONEK QUAD.

Glacier Mining Co., Inc. Box 4699 Spenard	80 4	1959 & 1960	1964
Paul Scott, Glenn Heatherly Box 4965 Spenard	8	1961	none

\*Some of the claims may be on or just over the line.

KENAI QUAD.

Jonathon C. Lawton Box 579 Kenai	1	1952	1965
Harry Pike, Norman E. & Chas. Risch 1011 W. 36th Spenard	1	1954	1961
Alaska Limestone Corp.	24	1964	
Loyd Swindle Box 173 Eastchester Br. Anchorage	3	1961	1964
Alaska Mining & Smelting Corp. Box 541 Anchorage	22	1962 (deed)	1964
North American Exploration & Mining 1305 17th Ave. Anchorage	3	1961 (deed)	1964
Betty J. Fuller & Luella Strother Cooper Landing	1	1960 (deed)	1963
James Duznire, James O'Brien Cooper Landing	17	1957 (Assessment)	1964

SEKLOVIA QUAD.

Charles B. Abbott Homer	1	1953	1960
Gateway Development Corp. c/o Ray Billens Box 66, Seward	1	1961	1963
C. W. Mitchell Box 291 Soldotna	1	1961	none
Dana Newman Box 342 Homer	1	1961	none
James T. Oliver Star Route B, Homer	1	1963	none
Alvin W. Mackay Box 193, Homer	1	1964	



SKLDOVIA QUAD. (cont.)

Paul M. Wangley 10 N. Parsell Mesa, Arizona	2	1964	
Homer Gold Mines, Inc. & Beauty Bay Mining Co. c/o Alvin Mackay Box 193, Homer	5	1958	1964
Mrs. Lenore Bash Upper Marlboro, Maryland	1	M.S. 315	
Kenai Chrome Co. Anchorage	2 1	M.S. 1420 M.S. 1421	
Union Carbide Corp. 270 Park Ave. New York 17	7 1 7 1 1 2 1	M.S. 2154 M.S. 1422 M.S. 2155 M.S. 2157 M.S. 2159 M.S. 2164 M.S. 2165A	
Frank Nemas			Homestead patent including coal & mineral rights

BLIVING SOUND QUAD.

Gateway Development Corp.	1	1961	1963
Ted Fitzgerald 2418 E. 20th, Anchorage	3	1961	none
W. Hart c/o Box 1335, Seward	1	1963	none
Glenn Williams Box 1516, Anchorage	7	1957	1961

SEWARD QUAD.

Elwood Nielsen Box 1213, Seward	6	1959 (deed)	1964
Sherman C. Smith Cooper Landing	1	1959	1960
L. & Helen McGee 836 Lindley Way Reno Nevada or Robert Newcomb Portage	19	1956	1963

SEWARD QUAD. (cont.)

V. C. Anderson Box 1294, Seward	2	1954	1964
Mrs. Elmer Simco Box 2176, Anchorage	3		1963 (1)
John H. Dryer Box 3515, Anchorage	6	1953	1964
Donald J. Ryder 3216 Thompson Ave., Anchorage	1	1962 (deed)	1964
R.B. Willburn Cooper Landing	1	1962 (deed)	1964
H. Deac Goodpaster Hope Road, Moose Pass	10	1958	1963
Falls Creek Mining Co. c/o S. A. Liening Suite 522 Jones Building Seattle 1, Washington	22	1953 (assessment)	1963
Fred A. Henton Moose Pass	13	1953	1964
Grant Lake Development Co., Inc. Box 5-797 Mt. View	2	1958	1964
Lorraine McNeely Beard & Byron B. Beard Mile 42, Moose Pass	2	1956	1964
Gateway Development Co.	4	1961	1964
Gateway Development Co.	5	1961 (deed)	1964
Irving S. Todd Box 343, Seward	2	1957	1964
Max McCracken Seward	1	1953	1964
E.E. Brenner & W.E. Whitney 837 4th Ave., Anchorage	1	1963	nons
N. O. Burkhalter Star Route A, Box 1501 Spenard	2	1958 (deed)	1964
Geneva Peterson Box 1674, Anchorage	2	1953	1960
E. E. Brenner & Whitney	4	1962	1964

Portage Gold Mines, Ltd. c/o Mrs. Louise H. George R. R. #1, Giants Head Road West Sumnerland, B. C.	5	1953 (assessment)	1964
John Coleman 2607 West 30th, Spenard	2	1954 (deed)	1963
E. L. Senft Box 701, Seward	1	1953 (assessment)	1964
Delimir Sobel Box 263, Seward	4	1953 "	1964
Vern & Barbara Stall Moose Pass	6	1953	1963
Robert J. Stanton Seward	1	1953 (assessment)	1960
Archie Yoder Seward	4	1953	1962
Clarence W. Mitchell Box 458, Homer	13	1956	1964
Fred Henton, Joe Columbus J.H. & Esther Werner Box 337, Seward	9	1961	1964
Homer Boe Box 395, Seward	2	1954	1964
John & Alice Coleman 2607 W. 30th, Spenard	1	1954	1963
State of Alaska	1	M.S. 970	
H.S. Horton Box 1442, Seward	1	1954 (assessment)	1964
John Mackviz Box 1676, Anchorage	3	1953 (assessment)	1964
E.E. Brenner & Whitney	1	1962	1964
Robert Clark Box 1285, Seward	3	1962	1963
Edgar T. Hsum 203 Jonathon Ave. San Jose, California	2	1954 (assessment)	1964
Irving S. Todd	1	1963	none
Chester B. Smith 4800 Lake Otis Parkway Anchorage	12	1964	1964

John H. Dyer	1	1958	1961
Iver Nearhouse Hope	1	M.S. 1451	
Walter G. Culver	2	1955	1960
Carl & Emma Clark Hope	12	1954	1964
Ted K. Boyd Box 1011, Seward	10	1954	1963
Harold & Judith Culver Madira	2	M.S. 1539	
State of Alaska	2	M.S. 993	
Frank H. Dickey Box 714, Bellevue, Washington	10	1956 (assessment)	1964
Cecil & Leo Rhode Box 406, Homer	2	1958	1964
State of Alaska	11	M.S. 1449	
Jack Fike 513 - 6th Ave., Anchorage	1	1961	none
David Lamm Star Route, Kenai	3	1961	1963
State of Alaska	6	M.S. 981	
Leverett Miller Star Route, Box 3836, Spenard	4	1960	1964
Clarence Miller	1	1959	1960
Ted Tellefson, Albert Bolgar Star Route B, Box 3894, Spenard	1	1962	none
S.A. Liening 616 Jones Bldg., Seattle, Washin gton	7	1958	1962
Kennecott Copper Corp. 161 East 42nd, New York	6	M.S. 782	
Radco, Inc. 1700 Bryant Bldg., Kansas City, Missouri	32	M.S. 774	
John Petersen c/o Carl Petersen 9255 Dry Creek Road Geyserville, California	6	M.S. 736	

Darrell Phillips Box 752, Cordova	9	M.S. 954	
C. W. Mitchell	2	1956	1964
W.P. Watkins Box 1005, Seward	12	1957	1964
Elwood C. Nurse Box 421, Anchorage	1	1957	1963
James Dummire Cooper Landing	4	1958	1964
Jack Dodge Seward	9	1958	1963
Sherman C. Smith Cooper Landing	1	1962	none
Gateway Development Co.	6	1961	1963
E.C. Austin & George Brandal 3007 Arctic Blvd., Spenard	4	1959	1964
E.M. Rowan Jr. & Richard Gramzow Hq & Hq Co. 3136, APO 39, New York	4	1959	1964
Betty & Hugh Snider <sup>2</sup> 3508 Willow, Anchorage	2	1959	1965
Sherman C. Smith	1	1962	none
Forrest A. Green Box 6163 Annex, Anchorage	1	1959	1964
A.J. Spernak et al 2606 Porter St., Anchorage	4	1960	1963
Albert J. Goguen Box 345, Ft. Richardson	2	1961	none
Ray Billens Box 1255, Seward	1	1961	1964
Joe & Wilma Encinas Box 4038, Spenard	2	1962	1964
Fred Henton & Bill Johnson Moose Pass	9	1961	1964
Nugget Mining Co. c/o Clyde Smith, Moose Pass	1	1961	none
Kenneth Grotjohn & William Jewell Portage Junction	3	1961	none
John & Carol Kennedy 3511 Dorbrandt, Anchorage	3	1961	none

Paul Padie Jr. Box 5648, Mt. View	1	1961	none
D.E. Robinson Box 182, Soldotna	1	1961	none
Donald E. Dippel Box 1035 Star Route, Spenard	2	1961	1963
Walter J. Plohaus Box 641, Seward	1	1961	none
Charles Hubbard	2	1956	1964
Lillian McCall 419 E, Anchorage	1	1961	none
Grant Lake Development Co.	2	1958 (deed)	1964
Chester Brattlund 3504 Woodland Dr., Spenard	1	1961	1964
Homer Hayes	3	1962	none
Lewis Snodgrass & John Panicci 1313 Wintergreen, Anchorage	10	1962	1963
E.E. Brenner & Whitney	2	1962	none
Charles S. Gray	2	1962	none
Fred Henton & Bill Johnson	1	1962	1965
Fred Henton, Alex Pinkham	1	1962	1964
William Nordsen Moose Pass	5	1962	1964
Doris Branson & Paul Nestor Box 127, Soldotna	2	1962	none
Carl M. Clark & Robert Twait Hope	1	1962	1963
Carl Clark & Twait	1	1962	none
William B. Peters Portage	6	1962	none
Sid W. Old Howard Tollison	1 2	1962 1962	1963 none
Brenner & Whitney	1	1962	none
David Wagner Star Route A, Box 464, Spenard	2	1963	1964
James Aldrich & Loren Hastings 3500 Greenland Drive, Spenard	2	1963	none

Albert Bowen Box 5-944, Mt. View	1	1963	none
Charles Zassacki & Richard Bogue Box 785, Anchorage	1	1964	
Tore Jonsson Box 1772, Anchorage	1	1964	
Mountain Mining Co.	1	1964	1964

# MEMORANDUM

# State of Alaska

TO:

Marvin A. Kuentzel  
Water Resources Branch  
Division of Lands

DATE : February 14, 1967

FROM:

Dorothy Mihelich  
Mineral Analyst  
Division of Mines and Minerals

SUBJECT: Valid Mining Claims in the  
Seldovia, Homer, Seward &  
Kenai Recording Districts

Following are the names and addresses, if available, of holders of mining claims within the Seldovia, Homer, Seward and Kenai Recording Districts, Alaska:

### Seldovia Recording District

Union Carbide Corporation, 270 Park Avenue, New York  
Wallace McGregor, Box 6033, Salt Lake City, Utah  
Mrs. Lenore Nash, Upper Marlboro, Maryland  
Kenai Chrome Co., 545 East 4th Ave., Anchorage

### Homer Recording District

Nothing

### Kenai Recording District

Harry Pike, 1011 W. 36th, Spenard  
Jonathon Lawton, Box 579, Kenai  
Betty J. Fuller & Luella M. Strother, Cooper Landing  
James Dunmire & James O'Brien, Cooper Landing

### Seward Recording District

Alvin W. Mackay, Box 155, Seward  
Gateway Development Co., c/o Ray Billens, Box 66, Seward  
Harold Sheffield et al, 400 South Bliss, Anchorage  
Donald Glass, Box 155, Anchorage  
Ted Fitzgerald, 2418 East 20th, Anchorage  
Glen Williams, 958 Northern Lights Blvd., Anchorage  
Elwood Nielsen, Box 1213, Seward  
Robert Newcomb, 3231 Drew Street, Los Angeles, California  
Richard Currington, Box 97, Cold Bay  
Ed Farrell, 511 7th, Fairbanks  
Forrest D. Charlton, 1526 Nelchina, Anchorage  
Norman Yaeger, 3313 Spenard Road, Anchorage  
Patrick Bogan, 809 N. Bragaw, Anchorage. Lessee from John Dryer, Box 3515, Anchorage  
Donald J. Ryder, 3216 Thompson Ave., Anchorage  
R. B. Willburn, Portage, Alaska  
Dorothy Kruger, Executrix Fred Menton Estate, c/o Robert Lampa, 109 15th, Anchorage  
Grant Lake Development Co., Inc., Box 5-797, Mt. View  
George Lindsey, Moose Pass  
N. O. Burkhalter, Star Route A, Box 1501, Spenard  
E. L. Senft, Box 701, Seward  
Maynard Willburn, Box 1264, Seward



# MEMORANDUM

# State of Alaska

TO:  Marvin A. Kuentzel

DATE : February 14, 1967

FROM: Dorothy Mihelich

SUBJECT: Page 2

Seward Recording District (cont.)

Jack E. Carli, Jr., Box 1024, Seward  
C. W. Mitchell, Box 458, Homer  
Homer G. Boc, Box 394, Seward & Derick L. Williams, Box 395, Seward  
John M. Coleman, 2607 W. 30th, Spenard  
H. S. Horton, Box 1442, Seward  
Galen Albertson, Box 835, Seward  
Walter S. Sellens, Box 30, Willow, Alaska  
Edgar Haun, 203 Jonathon Ave., San Jose, California  
Chester B. Smith, 4800 Lake Otis Parkway, Anchorage  
Herman Keno, Hope  
Iver Nearhouse, Hope  
Carl M. Clark, Hope  
Ted K. Boyd, Box 1011, Seward  
Harold Culber, Medfra  
Fred B. Snyder, Box 392, Anchorage  
Cecil Rhode, Moose Pass and Leo Rhode, Box 406, Homer  
Edgar Curtis, 1415 Marten (Shady Lane), Anchorage  
Bob Slaughter, Box 4994, Spenard and Jim and Robert Moore, Box 1184, Star Route A,  
Spenard  
A. W. Smith, Box 3252 Eastchester Branch, Anchorage  
Lewis R. Shell, Box 4-109, Spenard  
John L. Rader, Gordon Hartlieb, Box 2068, Anchorage  
W. P. Watkins, Box 1005 Star Route, Seward  
James Dummire, Cooper Landing and H.W. Davis Box 1364, Seward  
George Todd, Box 4-063, Spenard  
Keith Copeland, 516 E. Fireweed, Anchorage  
Milo E. Flothe, 7222 Madelynne Way, Anchorage  
Jim Wolcott, 1008 A Street, Anchorage  
Forrest Green, Box 6163 Annex, Anchorage  
A. J. Spornak, 2606 Porter St., Anchorage and Peter & Roy Butcher, Box 228, Anchorage &  
George Covington, Box 335, Anchorage  
Joe Adams, 1114 E. 10th, Anchorage  
Joe Encinas, Box 4038, Spenard  
Russell B. Hall, Box 5259, Anchorage  
Bill Johnson, Mile 54 Seward Hwy, Moose Pass and Fred Henton, Moose Pass  
Dallas A. Newell, 1503 32nd Place, Anchorage  
Donald E. Dippel, Box 1035 Star Route A, Spenard  
Chester Brattlund, 3504 Woodland Drive, Spenard  
T. W. Jackson, 4225 Spenard Road, Anchorage  
Alex Pinkham, Annex B, Box 6062, Anchorage  
William H. Nordeen, Moose Pass  
Doris Branson, Box 127, Soldotna and Paul Nestor, Soldotna  
William B. Peters, 1108 4th Avenue, Anchorage  
David Wagner, Star Route A, Box 64, Spenard

# MEMORANDUM

# State of Alaska

TO:  Marvin A. Kuentzel

DATE : February 14, 1967

FROM: Dorothy Mihelich

SUBJECT: Page 3

## Seward Recording District (cont.)

Charles Zawacki, 4880 Newcastle Way, Anchorage

Tore Jonsson, Box 1772, Anchorage

Mountain Mining Co., c/o A. L. Renshaw Jr., 1911 Alder Drive, Anchorage

or 1850 Wickersham Drive, Anchorage

Joseph M. Hamilton (with James Dunmire)

Fred Henton, Moose Pass, and Ray Mavity and Bill Miller (no address)

Larry R. Taylor, 1119 Chugach Drive, Spenard, and Kelly A. Painter, #6, 7800 DeBarr Road  
Anchorage

Connee Morris, Box 4-1806, Spenard

Ransome E. Williams, Box 865, Coalinga, California

M. J. Hilliard, 23 Greenwood Avenue, Bend, Oregon

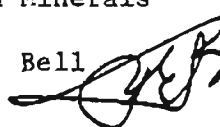
Wesley Laubscher, Box 922, Seward

Joel Kottke, 900 East 45 Avenue, Anchorage, with Ralph Hilleary and Claude Parks,  
address unknown

William L. Rabich, Box 21, Anchor Point

**MEMORANDUM****State of Alaska**

To : Jim Williams  
Mines and Minerals

THRU: Roscoe E. Bell  
Director 

FROM: Marvin A. Kuentzel  
Water Resources Branch

DATE February 2, 1967

SUBJECT Mining Claim locations in the Seldovia  
Homer, Seward and Kenai Recording  
Districts, Alaska

REC'D. JUNEAU  
FEB 6 1967

Div. Mines & Minerals

Can you supply the names and addresses of holders of mining claims within the Seldovia, Homer, Seward and Kenai Recording Districts? We would like to begin advertising for water rights' determination in this area by March 16, 1967.

If it would be possible to receive this information a week or two before the 16th it would be appreciated.

Please advise.

MAK:mjw

103 ~~103~~  
193.3 ~~103~~

October 20, 1964

Mr. John F. Brinckman  
British and Foreign Securities  
P. O. Box 363  
Montreal 6, Ontario  
Canada

Dear Mr. Brinckman:

Maps of claims are not required under Federal law on Federal land. The claims staked by Pan American Petroleum were on Federal land so the Federal law applies.

Pan American's claims are grouped on Chenik Mountain and on several other outcrops between there and Iliamna Lake. I believe they now have about 500 claims staked.

Several individuals have claims staked near Pan American's claims but there is still a great deal of land open in the immediate vicinity.

c Very truly yours,

William H. Race, Mining Engineer  
Division of Mines and Minerals

WHR:dm

*Pan American*

REC'D JUNEAU

OCT 2 1964

JOHN F. BRINCKMAN  
*British and Foreign Securities*

DIV. MINES & METALS

*Telephons: No. 2-4838  
if busy call  
No. 7-7112*

*P.O. Box 363  
Montreal 6*

13 October, 1964

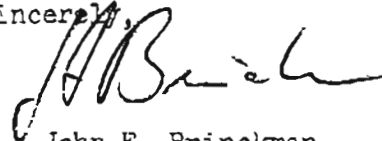
Division of Mines & Minerals,  
Box 1391,  
Juneau, Alaska.

Dear Sirs,

I am interested in acquiring mineral rights for development on behalf of clients. I am particularly interested in areas contiguous to the recent discovery of Standard Oil (Indiana) of iron ore in the Gulf of Alaska.

would you be good enough to advise me if there are maps available indicating areas not taken up, and where rights have been taken up, to whom these belong.

Yours sincerely,

  
John F. Brinckman

193.  
3rd District

99801

July 1, 1964

Mr. G. A. Noel  
Utah Construction & Mining Co.  
510 West Hastings Street  
Vancouver 2, B. C.

Dear Gerry:

Pan American Staking

Sorry to say we have no authentic dope on this.  
Perhaps we will have something on it by next month that  
we can put in our August Bulletin. We are as much in the  
dark at present as the general public.

When do we see you over this way again?

Sincerely,

James A. Williams, Director  
Division of Mines and Minerals

JAW:dm

REC'D. JUNEAU

JUN 25 1964

UTAH CONSTRUCTION & MINING CO.  
MINERAL DEVELOPMENT AND GEOLOGY DIVISION

ROOM 718 - 510 WEST HASTINGS STREET - VANCOUVER 2, B. C. Div. Mines & Minerals

Our File 18-A-2

June 24, 1964

Mr. J.A. Williams, Director,  
Division of Mines & Minerals,  
Dept. of Natural Resources,  
JUNEAU, ALASKA.

Dear Jim:

Our San Francisco office mentioned a recent mineral find by Pan American Oil in the Lake Iliamna district. We would appreciate any information you are able to give us on this discovery.

Bob Seraphim tells me that Moneta moved pretty fast on that copper discovery in the Menali area. It is encouraging to see some concrete results from your field projects. We hope this year may be as rewarding.

Yours sincerely,



G.A. NOEL

GAN/do

TELETYPE

TO: JAMES A. WILLIAMS AND CHARLES HERBERT

CONFIDENTIAL. CONFIRMED PAN AMERICAN STAKING PARTY CONSISTING OF APPROXIMATELY FORTY MEN LOCATING CLAIMS ON SOUTHERN SHORE OF LAKE ILLIAMNA IN VICINITY OF CHEKOK ISLAND. ESTIMATE OF AT LEAST ONE THOUSAND ACRES LOCATED. LOCATION NOTICES WILL PROBABLY BE FILED THIS WEEK. THIS APPARENTLY IS THE RUMOR THAT STARTED LAST WEEK CONCERNING TUXEDNI. REQUEST INFO BE CONFIDENTIAL UNTIL MADE PUBLIC.

NORRIS C BAKKE

Received via phone  
6/17/64  
9:15 a.m.  
mez



TELETYPE

TO: ✓ JAMES A. WILLIAMS  
CHARLES HERBERT

OFFICIAL RELEASE BY ROSS CRAIG INDICATES PAN AMERICAN AND OTHER GROUPS  
HAVE FIFTY-TWO LOCATIONS IN KEMASHAK BAY. T11SR 29 N SM IN VICINITY  
OF CHENIK MT. RODERICK AND GANAPOLE GROUP ALSO INVOLVED.

NORRIS BAKKE

Received via phone  
9:15 a.m.

mez

2 -- 19

RECEIVED  
JUN 18 1964  
U.S. GEOLOGICAL SURVEY  
Minerals

Roscoe E. Bell  
Director

June 16, 1964

Norris C. Bakke, Jr.  
Minerals Officer

Iron - Unconfirmed Location Reports  
and Confirmed

The press release of last week as it concerned claim staking by Pan American in the Tuxedni Bay area for magnetite was not correct. However, in the past years, Pan American apparently had an option which might possibly still be in effect on the claims covering the deposit. After reading the USGS report concerning this property, and discussing it with Kirk Stanley, who conducted a ground magnetometer survey on behalf of a third party, it appears that this type of contact deposit is of its nature, very limited in reserves. It was originally located in 1916, which locations were allowed to lapse, and then relocated in 1960 and 1962. Presently there appears to be a conflict of ownership, and Joe Rudd represents the later claimant, who possibly gave the option to Pan American. In general, Kirk agrees with the observation that due to lack of information and study in the general area, that the chances of additional mineralization are not precluded, therefore, making it still worthy of consideration for state selection.

This area of confirmed staking activity by Pan American has been isolated to the south shore of Lake Iliamna between Chekok Island on the west and Kekhanok on the east. Tom Atkinson flew to this area yesterday and personally witnessed staking parties totaling about 40 men setting locations which could well exceed 1,000 acres which would be approximately 50 claims. After further discussing this with Kirk, he agrees that this probably concerns a magnetite deposit with initial discovery by air-borne magnetometer work and later confirmed by ground work. It is probable that the location notices will be filed this week. This information is to be kept confidential until publicly released.

NCB/fl

cc: James Williams  
Charles Herbert  
Gorden Herreid  
Martin Jasper

Original Signed By  
NORRIS C. BAKKE, JR.  
Minerals Officer

# MEMORANDUM

State of Alaska

173-  
3

TO:  James A. Williams

REC'D. JUNEAU

MAY 22 1964

DATE : May 21, 1964

Div. Mines & Minerals

FROM: Arthur Rose

SUBJECT: Return of Reports

We are returning, under separate cover, by certified mail the following reports:

MR-68-1, MR-68-2, MI-68-2, PE-68-3, PE-68-7, PE-68-8, PE-68-9 and a copy of Hansen's Thesis.

*Art*

AWR:bb

193 - 3rd District

# MEMORANDUM

# State of Alaska

TO:  Arthur Ross

DATE : May 19, 1964

FROM:

SUBJECT: Requested Reports

James A. Williams

As you requested, we are sending you the following reports by Certified Mail. When you have finished with them, please return by Certified Mail. In any case, please return them before you go into the field so that we may have them available here in this office for other people.

- MR-68-1 Interim Report - Rainbow Mountain-Gulikuz Report by Robert B. Forbes (with map) (1962)
- MR-68-2 Emerick Michel-Copper Prospect by C. F. Herbert - CONFIDENTIAL (with map) (1962)
- MI-68-2 Rainbow Ridge Area Nickel Deposits by H.A. Kaufman (1963)
- EE-68-3 Report on the Emericks Prospect (Rainbow Mountain) by R. H. Saunders (with map) (1957)
- ES-68-7 Report on the Emericks Michel Prospect, Mt. Hayes Quadrangle by Robert H. Saunders with Fig. #1-2 and Plates Nos. 1-2-3. (1961)
- EE-68-8 Report on the Emerick West Delta Nickel Prospect, Mt. Hayes Quadrangle, by Robert H. Saunders - CONFIDENTIAL with map and Plate No. 1 and Figures No. 1-2-3-4-5-6 (1962)
- EE-68-9 Report on the Examination of the Tripp Copper Prospect, Mt. Hayes Quadrangle, by R. H. Saunders (1962)

The Japanese report, MI-195-36 is too general to be of interest, I believe. Anyhow, Martin should have this report by the Japanese geologists, and all the Plates Nos. 1 through 21, as I sent one of the three copies received to him.

JAW:dm  
enclosures

# MEMORANDUM

# State of Alaska

*103 -  
3rd Division*

TO:  Art Rose

DATE : May 21, 1964

FROM: Dorothy Michelich

SUBJECT: Data on Claims in Mt. Hayes  
Quad and Valdez Area

I am enclosing copies of Kardex cards for the above areas, and copies of any reports mentioned on these cards by the engineers. Also, in the Valdez area there were some Kardex cards that had so little information on them, I didn't bother copying them. The following is the information on these cards.

Kx 86-72. North shore of Jack Bay ( $61^{\circ}03'N$ ,  $146^{\circ}34'W$ ) 2/<sup>1 lode</sup> claims for Au, Zn, Pb. B 692-C, pp 171-172; B 963-B, p 53.

Kx 86-15, 2 miles SW Dayville Dock, S. side Valdez Bay ( $61^{\circ}05'N$ ,  $146^{\circ}25'W$ ) for Au. 2 lode claims, no references. Claims were located in 1954 by A.S. Day, Sr. et al. No assessment work performed.

Kx 86-90. Near Swanport on S shore of Port Valdez ( $61^{\circ}05'N$ ,  $146^{\circ}26'W$ .) Au? lode Patten Mining Co. B 692-C, p 151.

Kx 86-102. Solomon Gulch on S side Port Valdez ( $61^{\circ}04'N$ ,  $146^{\circ}15'W$ .) Au placer. AR 20, p 421; B 379-C, p 97.

Kx 86-109. W side Solomon Gulch about  $1 \frac{1}{2}$  miles south of Midas Mine. Cu. Bayview claim. B 692-C, pp 165, 177. ( $61^{\circ}N$ ,  $146^{\circ}18'W$ )

Kx 86-145. Platinum Creek, 8 miles from Valdez on left hand side of Richardson Highway ( $61^{\circ}05'N$ ,  $146^{\circ}05'W$ .) Pt placer. 1956 location by Harold A. North - Black Bear Nos. 1-2-3-4, no assessment work. No reports.

193  
3<sup>rd</sup> Division

# MEMORANDUM State of Alaska

TO:  Dorothy Mihelich

DATE : May 19, 1964

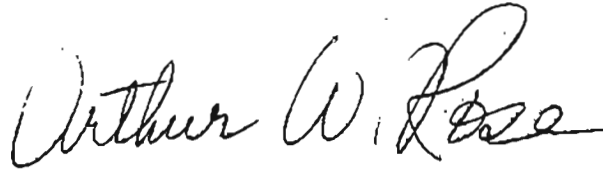
FROM: Arthur Rose

SUBJECT: Data on Claims in Mt. Hayes  
Quad and Valdez Area

Thank you for the information on claims staked by Mr. Ghezzi. I am very interested in anything you can tell me about the claims on Rainy Creek, West Fork of Rainy Creek, and East Fork of Maclaren River. Metals of interest, more exact location, and Division reports on the claims would be especially useful. Any other claims in the area would also be of interest, even if no assessment work was done, because they indicate some sort of mineralization is probably present.

While we are at it, can you send me similar data on claims for the Valdez area. I enclose a sketch showing the area I am interested in.

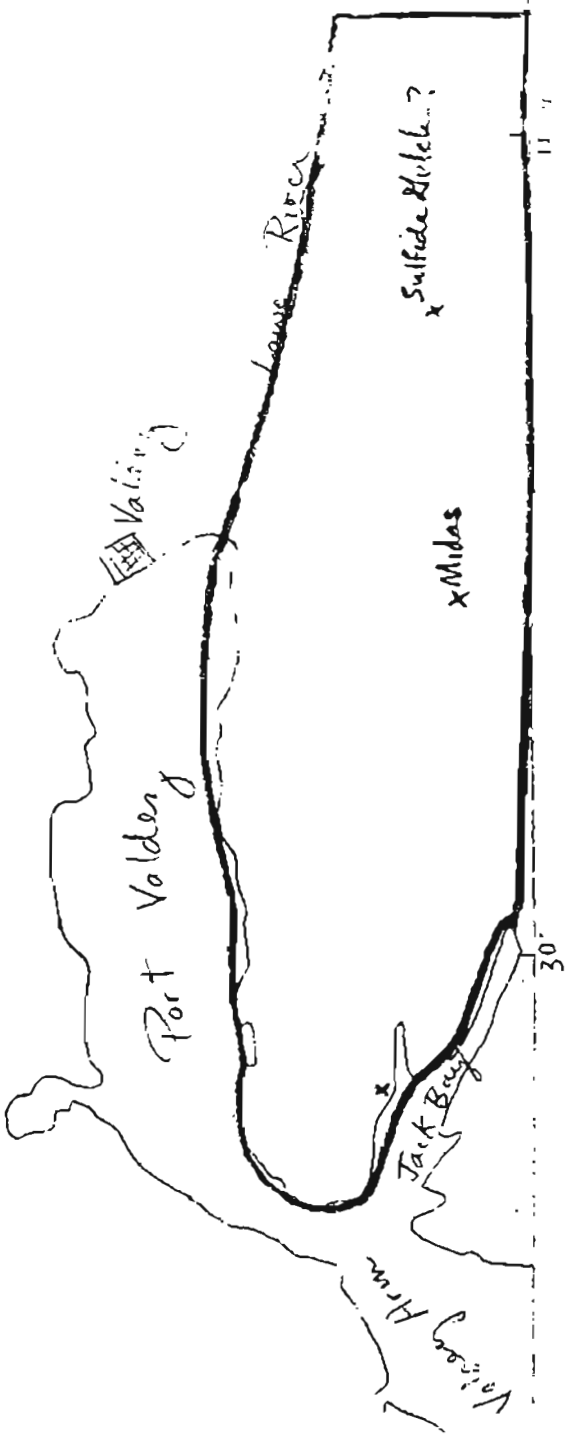
Thank you very much for your efforts on this. Perhaps you can reproduce the cards on a copying machine.



AR:bb

REC'D. JUNEAU  
MAY 20 1964  
DIV. MINES & MINERALS

REC'D. JUNEAU  
MAY 20 1964  
DIV. MINES & MINERALS



SW corner of Valdey 1:250,000 sheet.

May 10, 1963

Mr. William T. Knox  
Apt. #15 - 1770 Davis Street  
Vancouver, B. C.

Dear Mr. Knox:

We have checked our records and find that apparently there aren't any claims being held in the Tok area.

In the Slana area there are claims currently held at Mentasta Pass, on Grubstake Creek, Indian Creek, Silver Creek, the Dome Area and about one mile north of the Slana-Tok Cutoff at Mile 59.

The Location Notices usually just give the general location and it is therefore almost impossible to sketch the locations for you.

If we can be of further help, please write us.

Very truly yours,

(Mrs.) Dorothy C. Mihelich  
Mineral Analyst

240-193  
MAY 10 1963



WILLIAM T. KNOX

Apt. #15 - 1770 Davis Street,  
Vancouver, B.C.

May 7, 1963


800-193  
MAY 10 1963

Mining Recorder,  
Dept. of Mines,  
Juneau, Alaska.

Gentlemen:

Would you kindly advise me whether or not there are any claims staked in the area of Slana and Tok and if so would it be possible to have a sketch showing these locations. We are also asking the recorder at Copper Center. Hoping for the favor of an early reply, we are -

Yours Sincerely,



William T. Knox

REC'D. JUNEAU  
MAY 9 1963  
Div. Mines & Minerals

James A. Williams, Director  
Division of Mines and Minerals

Sincerely,

If you wish further details, or expansion of any of the above remarks, please advise.

The area of the District is roughly 500 square miles, much of which contains the same geological conditions that created the Kennecott. There are undoubtedly more ore deposits that will be discovered as more prospecting is done, and as prospecting methods improve toward the finding of hidden deposits. It naturally follows that prospecting activities will increase when transportation into the area by road is available. Also, transportation will increase the exploration (drilling, etc.) of the many prospects now known in the area, a few of which will be found to contain ore reserves that will be shipable by truck.

From 1911 to 1938, Kennecott produced more than a billion pounds of copper worth \$225,000,000. One of the Kennecott ore bodies was completely hidden from the surface, and was only discovered as a result of underground work in connection with mining activities. These ore bodies were created by geological action at the contact between the greenstone and limestone of the District.

Without question, this area is one of the most promising in the State for future mineral production. Although the area has been prospected spasmodically since the Kennecott mine closed, and a drilling program failed there last summer, my faith in the future of the area is unshaken. Truck transportation into the area will hasten the day when the area again sees production.

You requested information on the potential of the McCarthy District of the Copper River Region.

Dear Senator Hansen:

The Honorable Harold Z. Hansen  
Alaska State Senate  
Juneau, Alaska

March 8, 1963

*Handwritten notes:*  
McCarthy  
District

September 5, 1962

103  
3rd  
District

Mr. Warren S. Moore  
W. S. Moore Company  
400 Torrey Building  
Duluth 2, Minnesota

Dear Warren:

In re Limestone and Coal in the Anchorage Area

I believe you have U. S. Steel confused with Permanente in yours of August 21. Permanente located some limestone in the Matanuska Valley area two years ago. To the best of my knowledge, U. S. Steel has not located any limestone in the Anchorage area but has located quite a bit of it in Southeastern Alaska. Other than the Permanente deposit, a new discovery, I am not aware of other limestone in the area or on the Koniag or Alaska Peninsulas.

I am forwarding your letter to Martin Jasper for further answer as he would know of any possibilities that I may have missed. For your interest and files, enclosed is a copy of Martin's report on the Permanente Limestone.

I will let Martin answer your coal question also. He can contact a local company and get direct information for you. He will, of course, keep the matter confidential.

Sincerely,

James A. Williams, Director  
Division of Mines and Minerals

je  
Enclosure  
cc - Martin W. Jasper

August 24, 1962

193  
3-1  
District

Mr. Warren S. Moore  
W. S. Moore Company  
Turrey Building  
Duluth 2, Minnesota

Dear Mr. Moore:

This will acknowledge your letter of August 21 to Jim. He will be out of town until the latter part of next week, however, you will be hearing from him shortly after his return to Juneau.

Very truly yours,

(Mrs.) Jean L. Crosby  
Administrative Assistant

44-211-1000

## MEMORANDUM

State of Alaska

TO:  Martin Jasper193 3<sup>rd</sup> Dist

DATE : June 11, 1962

FROM: Bob Saunders

SUBJECT: Rumored Placer Venture of  
D and D Company

To the best of my recollection, it has been over a year since I last saw Dan Coben. So far as I know he is still working as Assistant Fire Chief at Eielson Air Force Base. Apparently his group is able to raise enough money to do some prospecting, and they may have substantial financial backing, but I don't know for sure. The ground they are interested in is on Eagle Creek, which I assume is the Eagle Creek that drains into the East Fork of Chistochina River and is within the area described by you in your memo of June 6.

It seems to me that Coben told me once that Transworld Resources was interested in their project, but I did not make a note of that although I did make a few notes of some of the things he said including the plan to put a bucket-wheel excavator on the property.

As far as I know, Coben has not had mining experience, and I do not know who would be in charge of any project they might undertake.

cc: JAW

Bob

J 6-13

REC'D BUREAU

JUN 11 1962

Div. Mines &amp; Minerals

X-65-75

Dan Coben  
(Chistochina River Placer)

# MEMORANDUM

# State of Alaska

TO : Robt. Saunders

193 3<sup>rd</sup> Dist.

DATE : June 6, 1962

FROM : Martin Jasper

SUBJECT: Dan Cobin (Fairbanks Contractor?)  
D & D Company. Rumored Placer Venture  
Mt. Hayes ~~Quad~~ & Gulkana Quads

In May '62 Don Stein on his trip here for a bowling tournament, advised me that Mr. Cobin was planning a placer venture in the Mankomen Lake area. His project was reported to include purchase of a large "dryland" European "wheel" type dredging machine. During my field work in the Copper River drainage system last year numerous inquiries failed to turn up any information concerning this reputed venture.

The only possible (?) spot in that region that such a "dreamy" project is likely to be located is in the area of a low, hardly perceptible divide easterly from Mankomen Lake to the Slana River (a distance of about 7 miles), which actually is mostly in the Gulkana Quad and covering headwater drainage of East Fork of the Chestochina River. About 3 years ago the Duffy's (father & son, owner of Duffy's Place at Mi. 64.5 on Slana-Tok hiway) staked a <sup>large</sup> number of placer claims in that area and reputedly (?) did assessment work upon them for two seasons.

Last week John Larson, Hiway Dept. engineer in charge of mining access roads, phoned me re the Mentasta-Slate Creek road which is scheduled to be built this season. In course of discussion he asked if I knew of Cobin's proposed project in the above mentioned area, and whether the road would benefit his operation; on that score there is no problem, as it is good going with little or no grading to be done over morainal material. Larson's mention of Cobin, the first coming my way since Stein's mention of it last year, suggests there may be some attempt made by Cobin to do something in the area, altho my information to date is that no worthwhile testing has been done on any property in that (to my mind) area of questionable economic placer interest.

So - have you heard anything concerning the D & D Co.s plans? Are they a substantial group?

Regards-



cc: JAW ✓

Kx 68-75

REC'D JUNEAU

JUN 7 1962

26-7

Div. Mines & Minerals

Dan Cobin  
(Christochina River Placer)

June 22, 1962

193  
3<sup>rd</sup> District

Mr. John W. Day  
Barker and Day  
Dexter Horton Building  
Seattle 4, Washington

Dear Sir:

Please find below all our information on the Galena Bay and Nikolai claims.

1. Galena Bay - Millen Group

1916 Galena Bay Mining Company, Mineral Survey 904, 906, 908  
1957 Redeemed (from being delinquent on Real Property Law  
#3-127, 128, 129) by Galena Bay Mining Corp., Patent  
Nos. 806021, 552285, 545933

Kx 86-148

These claims are located 2-1/2 miles south of the confluence of Copper Creek and Kotsina River. Described in U. S. Geological Survey Bulletins Nos. 345-C, pp 144-145; 374, p. 62; 622-D, pp. 111-112; 745, pp. 101-102; 947-G, pp 126-129.

2. Galena Bay - Copper Mountain Group

1909 Galena Bay Mining Company, Mineral Survey 1017, Patent  
No. 552985 (your records indicate a patent number of  
53643)

Kx 96-19

These claims are located on the north slope of Copper Mountain, near the head of Vesuvius Valley. Described in U. S. Geological Survey Bulletins Nos. 284, p. 83; 345-C, p. 178; 379-C, p. 93; 442-D, p. 164; 443, p. 59; 542-D, pp. 112-114; 605, pp. 98-102; 622-E, p. 133; 642-D, p. 140; 963-B, pp. 53-54; U. S. Bureau of Mines Bulletin 142, pp.40-52; and Bulletin 153, p. 46.

Galena Bay Min. Co.

Mr. John W. Day  
June 22, 1962  
Page Two

3. Nikolai (formerly Chittyna Exploration Company)

1904 Chittyna Exploration Company Mineral Survey 546  
(not 547 as you have it) Patent No. 39132

70  
Kx 87 ~~37~~

These claims are located on Nikolai Creek 3-1/2 miles from its junction with McCarthy Creek. Described in U. S. Geological Survey Publications SP "Copper River" 1901, pp. 82, 86-87; AR 21, p. 437; P 15, pp. 16-18, 28-29; P 41, pp. 92, 104-105; Bulletin 213, p. 144; 345-C, pp. 165-166; 374, pp. 88-89; 448, pp. 75, 93-95; 480-C, pp. 84-85; 520-C, p. 106; 542-G, p. 84; 714-A, p. 28; 947-F, pp. 98, 106-108

Our records verify ownership as shown in your Exhibit A and B with the exception of the patent number of the Copper Mountain Group, and the Mineral Survey number of the Nikolai Group.

Very truly yours,

William H. Race, Mining Engineer  
Division of Mines and Minerals

WHR:je

J 6-29



BARKER & DAY

ATTORNEYS AT LAW  
DEXTER HORTON BUILDING  
SEATTLE 4, WASHINGTON

June 20, 1962

193  
3rd District

Supervising Mining Engineer,  
Alaska District,  
Juneau, Alaska.

Dear Sir:

We are attorneys for Hugh H. Benton, Jr., who is receiver of the Galena Bay Mining Company, which holds certain mining claims in Alaska. In addition, this company is the owner of the majority stock in the Nikolai Mining Company (formerly Chittyna Exploration Company) which also holds some mining claims.

We will shortly be required to report to the court the status of the receivership. We would like very much to get as much factual information as we can on the status of these claims with particular reference to whether or not any taxes or other charges should be paid to preserve them for the receivership, and if so, what payments should be made.

We have previously prepared and filed on behalf of the receiver a "Statement of Real Property Ownership" as required by the Alaska law for registration of mining claims.

The law firm of Burr & Boney in Anchorage are our statutory representatives in Alaska, and we shall seek a legal opinion from them when we have the factual situation in hand. We attach hereto a list of the claims in question, and we shall be grateful if you will advise us as to what information appears in your office with reference to any of them.

Yours very sincerely,

BARKER & DAY

By-



JWD:p  
Enc.

REC'D JUNEAU

JUN 21 '62

Div. Mines & Minerals

Galena Bay Mng Co.

193  
3<sup>rd</sup> District

EXHIBIT "A"

List of Mining Claims in the name of Hugh H. Boston as Receiver for Galena Bay Mining Company after re-conveyance by Galena Bay Mining Corporation of Ill.

I. Galena Bay-Mallin Group

MCCARTHY R. Chittina

Mineral Survey Number	Patent Number	Claim Name
904 <sup>KY</sup> 86-148 Baling.	806621	Mallin Sport
906 " " "	852285	Angle
958 " " "	948938	Mississippi
		Franklin #2
		Franklin #3

II. Galena Bay-Copper Mountain Group

VALDEZ

Mineral Survey Number	Patent Number	Claim Name
1017 96-19	51643 552985	Vesperus
		Sunnyside
		Mississippi
		Homestead
		Forgetment
		Copper Crown
		Narration
		Wrangell
		Spitz
		Sheepskin
		American Girl
		Summit
		Following
		Lone Hand
		Hornets Nest
		Mississippi #2

EXHIBIT "B"

List of Claims in the name of the Nikolai Mining Company as of the date of appointment of Receiver.

I. Nikolai (formerly Chittyna Exploration Company)

M.S. 546  
K-87-70

Mineral Survey Number	Patent Number	Claim Name
547 87-31	39112 39133	Wander
		Last Chance
		Siwash Jack
		Nikolai
		Red Rover
		Surprise
		Side Partner

Civil Action No. A-12731



STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINES & MINERALS  
BOX 1391  
JUNEAU

November 10, 1961

Mr. James E. Fisher  
Oberts Building  
P. O. Box 397  
Kenai, Alaska

Dear Mr. Fisher:

Re: Kenai Coal

Somehow I neglected to mention coal in my letter to you of yesterday. No statement of the minerals of Kenai Peninsula is complete without some mention of the widespread coal deposits of the western part of the Peninsula. Of what use it can be made is another question. Very little has been mined, and for domestic heating purposes, even less will be mined in the future. This is because of the close proximity of natural gas, of course. On the other hand, we should never lose sight of the chance that an opportunity may present itself to develop a petro-chemical industry on the Peninsula using the gas and coal together. Another possibility, though remote, is that of using the coal and gas together in the treatment or refining of oil or copper ores.

In the Homer area, at least 30 coal beds ranging from 3 - 7 feet in thickness have been measured. Indicated reserves within a half mile of the shores of Cook Inlet and Kachemak Bay have been estimated at not less than 400,000,000 tons. Though the beds are relatively thin, and mostly subbituminous, one attractive feature is that the beds are relatively flat lying which adds to the ease of mining.

Very truly yours,

James A. Williams, Director  
Division of Mines & Minerals

JAW:je



STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINES & MINERALS  
BOX 1391  
JUNEAU

November 8, 1961

Mr. James E. Fisher  
Oberts Building  
P. O. Box 397  
Kenai, Alaska

Dear Mr. Fisher:

Re: Mineral Deposits and Production on  
Western Kenai Peninsula

This is in answer to your letter of October 23. Because of their sedimentary nature, western Kenai Peninsula lowlands are devoid of hard rock minerals. Chromite exists and has been produced at Red Mountain and Claim Point, if these are within the area intended. I am not too sure just what area to refer to when you say western Kenai Peninsula. For example, gold has been produced in the past at Nuka Bay and is presently being produced at Resurrection Creek whenever the State Department of Fish and Game will allow it. These two localities are probably not within your limits of western Kenai Peninsula.

Concerning the chrome production, statistics are as follows: In the period 1917-1923, 1489 tons of ore of about 45 percent chromic oxide worth \$30,000 were mined. In 1942-1943, 5550 long tons of chromite were mined from the Chrome Queen Mine, but were left on the beach for many years. This was under a government purchase program, and the Government never sent transportation for the ore. It has been reported that this ore was finally shipped to Japan, but this report has not been confirmed to me. Reportedly this particular tonnage was worth \$199,820. In the period of 1943-1944, 7414 tons worth \$150,707 were mined and shipped. In 1954, 2953 tons worth \$248,207 were mined and shipped. In the period of 1955 to 1957 inclusive, 16,799 tons were shipped at a total value of \$1,768,194. All the above production was of a shipping grade ore that could be economically transported without having to be concentrated.

November 8, 1961

Judging from various estimates of chrome reserves, there are probably about 60,000 tons of shipping grade ore and 170,000 tons of low-grade ore which will require concentration at Red Mountain and Claim Point. It should be noted that these reserves are in relatively narrow and separate bodies, rather than in one or two large bodies, and therefore are more expensive to mine. The reason that chrome mining was discontinued in 1957 was the discontinuance of a government purchase program which had sustained a high price of \$90 or more per ton. At the present world market price of \$30-\$40 per ton, the chrome deposits of the Kenai Peninsula are generally considered uneconomic.

This Division has been investigating clay possibilities for aluminum production, brick making, and other possible uses as time and our limited facilities permit. To date, we have been unable to find anything encouraging.

You are probably as familiar with the oil and gas situation as I am. So far, there have been one commercial oil field and three commercial gas fields discovered. More will undoubtedly be found. Gas production to date has been negligible, but of course will increase as the consumers in Anchorage begin to utilize the gas from the newly completed line connecting them with the Kenai. As you know, Union Oil is actively investigating possibilities of liquefying natural gas for shipment to Japan.

Production from the Swanson River oil field for the month of September was 654,979 barrels, an average of approximately 21,800 barrels per day. Cumulative production to October 1, 1961, has been 4,808,730 barrels from the Swanson River Field.

Enclosed are two copies of our annual report. Perhaps you may be able to gain some useful information for your purposes from these.

In answer to your question on the Arthur D. Little reports, the portions of that report relating to minerals have been made available to this office. There are extra copies available of some of the sections of the report. If you wish any of these parts, please advise and I will endeavor to obtain them for you.

Very truly yours,

James A. Williams, Director  
Division of Mines & Minerals

Enclosures - 2

JAW:je

JAMES E. FISHER  
ATTORNEY

OBERTS BUILDING - P.O. BOX 397  
KENAI, ALASKA

23 October 1961

Director James A. Williams  
Division of Mines & Minerals  
Box 1391  
Juneau, Alaska

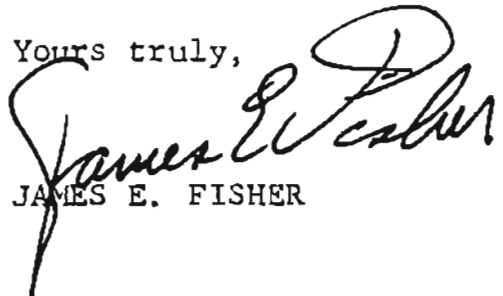
193  
3rd District

Dear Director Williams:

On 21 October 1961, the communities on the Kenai Peninsula formed the Western Kenai Peninsula Redevelopment Committee, to prepare an Overall Economic Development Program so that the communities on the peninsula may qualify for assistance available under the Area Redevelopment Act. In this connection, certain information will be required for inclusion in such a program. Could you advise as to the minerals known to exist on the Kenai Peninsula including such of those minerals as may have been produced in the past or are presently being produced, i. e. Khromite, oil and gas. If possible, I would like the production figures through 1 July 1961.

It would also be helpful to know of any interest that might have been displayed since such information might provide a basis for technical assistance under the Area Redevelopment Act. If your information is already in pamphlet form, I would appreciate two copies if possible.

Yours truly,



JAMES E. FISHER

/eif

cc: Mrs. Elizabeth A. Aprill  
Anchor Point, Alaska

P. S. I would like to know if any of the Arthur D. Little reports, or portions of reports have been made available to your office thus far?



J. E. F.

Div. Mines & Minerals

November 8, 1961

193  
3<sup>rd</sup> District

Mr. William F. Hall  
Division of Highways  
Valdez, Alaska

Dear Mr. Hall:

Re: Status of all Mineral  
Claims in Valdez District

Your undated letter on the subject addressed to our office at Anchorage has been forwarded here for reply. We have the information, of course, in our central recording and Kardex files. However, our staff is very limited and the project of determining status of all mineral claims within a 15-mile radius of Valdez will take some research. If you will arrange for someone from the Division of Highways to come to our Juneau office, we will make the records available to him so that he may determine the status of these claims for you.

Very truly yours,

James A. Williams, Director  
Division of Mines & Minerals

JAW:je

cc: MWDASPER

# MEMORANDUM

## State of Alaska

TO : James A. Williams

REPO JUNE 1961

OCT 1 1961

193  
3rd District

DATE : October 30, 1961

FROM: Martin W. Jasper

Div. Mines & Minerals

SUBJECT: Status of all Mineral Claims  
Valdez District

Enclosed is the original of the above inquiry from William F. Hall, Department of Public Works, Valdez, and my reply to same.

It seems to me that with their large number of employees who are not too busy during the winter months that they would have ample man power available to spend the required time in digging out this information in Valdez Magistrate's office. Don't you agree?

Regards.



MWJ:bb

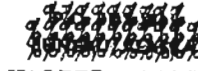


USE ANCHORAGE ADDRESS FOR:

DIVISION OF AVIATION  
GLOVER BLDG., ROOM 202  
ANCHORAGE, ALASKA

DIVISION OF AIR TERMINALS  
P.O. BOX 6-243  
ANCHORAGE, ALASKA

STATE OF ALASKA  
DEPARTMENT OF PUBLIC WORKS



VALDEZ, ALASKA

RICHARD A. DOWNING, COMMISSIONER

USE JUNEAU ADDRESS FOR:

DIVISION OF HIGHWAYS

DIVISION OF BUILDINGS

DIVISION OF COMMUNICATIONS

DIVISION OF WATER & HARBORS

DIVISION OF PROPERTY & SUPPLY

DIVISION OF EQUIPMENT OPERATION

SOUTHEASTERN REGION

AVIATION COORDINATOR

TO: State Dept. of Mines  
329 2nd  
Anchorage, Alaska

FROM: William F. Hall  
Div. of Highways  
Valdez, Alaska

*193  
3rd district*

Sir:

We are surveying in the Valdez area and are interested in the status of all the mineral claims within a 15 mile radius of Valdez.

Can you send the information on the above?

Yours truly,

William F. Hall

cc/dh

1948  
MAY 15 1948  
MAY 15 1948

# MEMORANDUM

## State of Alaska

TO: James A. Williams

DATE: May 2, 1961

FROM: Martin W. Jasper

SUBJECT: New Placer Venture ???

193  
3<sup>rd</sup> District

I dropped in <sup>to</sup> the office yesterday noon for half an hour or so and found Don Stein in for a visit. Don asked me if I had heard of a new placer venture to be undertaken in the Chistochina River drainage system (exact location not known). According to Don a Fairbanks contractor by the name of Dan Cobin plans, and presumably has made arrangements for acquiring a Bucket Wheel Excavator developed by the German Krupp Interests, and being used in a number of points around the world on alluvial and strip mining projects. To me this borders on the fantastic because this equipment costs several million dollars "with output up to 470 cubic yards per hour of loose material and can work continuously" (quoted from 1st paragraph on page 104 E&MJ October 1960 Issue.) I had heard a rumour some time ago concerning a new placer venture in the Copper River Valley but had not previously heard of anyone reputedly directly responsible and interested in that venture.

private - profit interests taking on a project of this nature. I don't believe that this is anything to be published until such time as I can confirm it from more reliable quarters.

MWJ:bb



5-10  
JX

REC'D JUNEAU

MAY 4 1961

Div. Mines & Minerals

(Dan Cobin)  
Chistochina River Placer

To Martin W. Jasper

193  
3<sup>rd</sup> District

April 28, 1961

From James A. Williams

McArthur River Flats Black Sands  
Tyonek and Kenai Quads

Use your own judgment on this second proposed examination. If you think differently than I do, go ahead and do the job. To me it looks like a bit of a wild goose chase. I seriously question Kidder's report that a mining company is interested in an area of 5 to 6 percent iron. I know that the Japanese are interested, but I also know that they are interested mostly in deposits that have been developed and are ready to mine.

246  
Lasswell  
Collection

Thanks for the advertisement concerning the mining claims by the Bureau of Land Management. The purpose of these ads is to clear up mining claim records or conflicts on land that the State has selected for acquisition. If active mining claims exist in an area that the State has selected, the State loses that portion of the land. These ads are an effort to prove that active claims do not exist. I have seen quite a few of them, but mostly they have advertised real old claims. I have never seen claims as late as 1955 stakings advertised before. They could run into trouble on this, I believe.

Okay on your annual leave for the purpose of moving from the old homestead. I am glad you finally sold it. Please fill out and send to us a leave slip to cover this at your earliest opportunity.

I also bit on the advertised American Law of Mining first edition and immediately inquired as to the price. It turns out to be only \$150 per set. I also would like to have this set of books but can hardly see paying that much money.

je

COPY

Office Memorandum . Territorial Department of Mines

To : Jas. A. Williams

Office: Anchorage

From : Martin Jasper

Date : April 21, 1961

Subject: McARTHUR RIVER FLATS BLACK SANDS  
TYONEK & KENAI QUADS

193  
3<sup>rd</sup> Div

Chuck Kidder was in first of week, primarily to "plead" for another "look see" of the area. His position is that the area he got the higher <sup>y</sup> Fe analyses from was beginning downstream about  $\frac{1}{2}$  mile below where I took the samples across a 1200 foot section at 200 foot intervals.

Black sands were more evident <sup>on surface</sup> downstream from my sampling as viewed from the air, so it mite be advisable to ~~do~~ sample across two sections  $\frac{1}{2}$  to 1 mile apart in the lower area.

If OK with you will plan on doing so sometime next month, as Kidder reports the Japs are still interested, and that an American company has also stated they would be if a large area of 5 to 6% Fe <sup>was</sup> ~~were~~ indicated.

*MJ*  
M J

REC'D JUNEAU

APR 21 1961

Div. Mines & Minerals

MUD VOLCANOES IN THE COPPER RIVER BASIN, ALASKA

(Donald R. Nichols, Lynn A. Yehle)

800 File  
193  
3<sup>rd</sup> District

Two groups of mud volcanoes, consisting largely of clayey silt cones which discharge gas and highly mineralized spring water, occur within 15 miles of Glennallen. The four cones of the Tolsona group range in height from 20 to 60 feet, and lie west of the Copper River near coal-bearing rocks of Tertiary age; three cones are active, discharging methane and nitrogen gas and sodium and calcium chloride water. The three cones in the Drum group are 150 to 300 feet high, lie east of the Copper River near the slopes of the volcanic Wrangell Mountains, and emit carbon dioxide gas and warm sodium chloride and bicarbonate waters.

The gas source of Tolsona springs may be from buried marsh or coal deposits because the springs contain only a trace of carbon dioxide and lack hydrocarbons heavier than methane. Gas from Drum springs probably emanates from volcanic sources. Water in Tolsona springs may be a mixture of meteoric, connate, or highly saline ground water; the Drum springs may also include small amounts of volcanic water.

Formation of the cones was by quiet intermittent accretion, and in the Drum cones, probably included eruptive phases. Most cones formed largely before or during the last major glaciation.

Presented at Arctic Geology  
Symposium, Calgary, Alberta,  
December 1959.

J 9-10

January 15, 1960

193  
Jhid  
Willow

Mr. George White  
General Delivery  
Palmer, Alaska

Dear Mr. White:

Our records do not show the presence of barium nor barite deposits occurring in the Palmer, Talkeetna, Eureka, or Chistochena areas.

Mr. Martin Jasper, Mining Engineer in charge of the State of Alaska's Division of Mines and Minerals, Anchorage office, 329 Second Avenue, may know of such a deposit or may know someone who has found barite in that area. The Mining Engineer and the Assayer in the Anchorage office will be happy to answer any questions you may have pertaining to rocks, minerals, and mining.

Very truly yours,

Willow M. Burand  
Assayer-Engineer

WMB:eg

~~BALANCE FORWARD~~  
Commissioner of Mines

Juneau -

1, 12, 60

1932

Dear Sir

I would like some information  
on Barium Barite Deposits  
in the 3rd district which  
includes this area I presume  
and about known Deposits  
in the Palmer, Talkeetna -  
& Eureka area & the  
Christopher's area, - yours truly

George White  
Palmer Gen. Del. Alaska

DEPARTMENT OF  
NATURAL RESOURCES

September 9, 1959

SEP 11 1959

Mr. Al Kaufman  
USNM  
Juneau, Alaska

RECEIVED  
JUNEAU, ALASKA

Dear Al:

I received your note on my return to the office from a field trip last Friday, and regretted having missed you.

With regard to the several properties you listed, I have only the following information on them:

1. Crown Point Mine, Seward - only assessment work has been done upon this property for a number of years. Anson Gouldsberry died last January and in May or June of this year a man by the name of Neilson bought the property from his estate for \$900.00. Mr. Neilson and two grown sons stopped by the house one evening last June or July and wanted to know all about this "pig in a poke" which they had bought. I gave him a thumb nail sketch of the deal and he then took off to return to California, dispose of his interests down there and return next Spring to carve the proverbial "fat hog".

2. McLaren River Copper Corporation - the only work that has been done the past several years upon the property has been limited to the annual assessment requirement. You may have learned that Fred Pettijohn was replaced as president of the outfit last year by Mr. Bukow, who owns the Anchorage CO<sub>2</sub> Company, the Anchorage Acetylene Company and other affiliated welding and shop supplies companies. On August 22nd a special stockholder's meeting of the company was called and held in Fairbanks. The purpose of this special meeting was to remove Mr. Pettijohn and Jack Scavenious from the Board of Directors, and get an accounting of the funds, equipment, etc. from Pettijohn. Presumably it was a lively meeting, objectives obtained and some harsh charges levelled which some say may cause the offender to spend some time as a guest of the people. It is understood that with the above accomplished, new funds and/or control of the Company is to pass to some officials of the Trans World Air Lines. It is to be hoped that with this presumed new participation some really constructive work may be programmed and a worth while property developed.

3. Western Alaska Mining Company - this outfit was composed of a group of NCA employees who had the urge to get into the mining business. A partnership, apparently it has been inactive as far as I know since 1955. Ray Anderson, an NCA pilot, was one of the moving spirits in the

C

O

P

Y

193  
3<sup>rd</sup> Division



Mr. Al Kaufman

Page 2

Sept. 9, 1959

venture. You might contact him but I am sure that he would give you the same dope.

4. Gold Hill Mining Company - this outfit rings a bell, but at the moment I can not recall where they are located or whether they have been doing anything with their prospect.

5. Denali Placers - regarding this venture, I am not sure who the individuals are connected with it. However, I will dig this information out, as well as the Gold Hill and forward to you at a later date. At this time I will probably also have the dope assembled to send to Jim Williams on the other activities in this region.

Regards and best wishes.

MWJ:bb

*Martin W. Jasper*  
MARTIN W. JASPER  
Mining Engineer

✓ cc: J.A.W.

C  
O  
P  
Y

173 3<sup>rd</sup>  
Alaska

August 18, 1959

Mr. James E. Carrel  
Assistant to President  
Permanente Cement Company  
Kaiser Building  
1924 Broadway  
Oakland 12, California

Dear Mr. Carrel:

Your inquiry of August 13th was received yesterday, as well as a copy of Mr. Williams' August 11th letter to you, on my return from a week's field trip. With regard to the two limestone deposits along the Anchorage-Seward Highway, I was informed yesterday that the Little Rabbit Creek deposit had been sold or a deal made for it sometime last week. It was reported to me that the people taking over the deposit are reputedly a group of local business men. I will make inquiries shortly to determine and/or confirm whether such a deal was in fact made.

I have not been familiar with the Little Rabbit Creek deposit other than knowing its general location and the owner, who had never made a request of our department to examine the property.

With regard to the deposit at Mile 6 on the Anchorage-Seward Highway which is said to be held by E. R. Semft, I have heard of it but never had the occasion to examine it. It is my plan to make a trip down that way shortly at which time I will try to contact Mr. Semft to examine it if he is inclined to let me do so, and otherwise get what information is available, from him. I will advise you of the situation upon my return.

Yours truly,

MwJ:bb

MARTIN W. JASPER  
Mining Engineer

DEPARTMENT OF  
NATURAL RESOURCES

AUG 21 1959

RECEIVED  
JUNEAU, ALASKA

*193 Skid  
Division*

James A. Williams

August 11, 1959

Martin Jasper

Limestone Deposits in  
Anchorage and Seward Quads

Enclosed is copy of letter to Mr. Carrel referring to two limestone deposits described earlier by Phil in a letter to a Mr. Ken Brooke. Mr. Carrel desires further information on these two deposits, and we are referring him to you in case you know something of them.

Our records indicate the deposits as follows:

- (1) Anchorage Quadrangle. Little Rabbit Creek, 220 feet east of Anchorage-Seward Highway. Five mining claims held by Thomas Maly and James George. Last recorded assessment work in 1956.
- (2) Seward Quadrangle. West of Mile 6 bridge on Seward - Anchorage Highway. One mining claim held by E. R. Senft. Assessment work recorded up to date.

Chuck Herbert writes that Sherwin Kelly gave you a real fine talk at the AIME function. Apparently he talked on the need for more metals in the future and the mistakes people are making in withdrawing lands. Certainly wish I could have heard that. That kind of material we can always use.

JAW:ds  
enc.

193 Skid  
Division

August 11, 1959

Mr. James E. Carrel  
Assistant to Vice President  
Permanente Cement Company  
Kaiser Building  
1924 Broadway  
Oakland 12, California

Dear Mr. Carrel:

In re Limestone Deposits on Anchorage - Seward Highway

Regret that we have no further information on the two limestone deposits on the Anchorage-Seward Highway described in Mr. Holdsworth's letter to Ken Brooks of May 19th.

Our mining engineer stationed in Anchorage is likely to know something further of these deposits, and we suggest you write to him. His name and address are Martin W. Jasper, State Division of Mines and Minerals, 329 Second Avenue, Anchorage.

Very truly yours,

James A. Williams, Director  
Division of Mines and Minerals

JAW:ds  
cc - Martin Jasper

PERMANENTE CEMENT COMPANY

KAISER BUILDING  
1924 BROADWAY  
OAKLAND 12, CALIFORNIA

193-3<sup>rd</sup> Div

July 30, 1959

Mr. Phil R. Holdsworth  
Department of Mines  
Box 1391  
Juneau, Alaska

Dear Mr. Holdsworth:

Ken Brooke has passed on to me the information in your letter of May 19, 1959 regarding three limestone deposits in Alaska. We have information on the deposit you gave him in the Seldovia quadrangle, but would like further information from you as to where we could inquire for more data on the other two deposits-- one being in the Anchorage quadrangle on Little Rabbit Creek, 220 feet east of the Anchorage-Seward Highway and the other in the Seward quadrangle west of Mile 6 Bridge also on the Anchorage-Seward Highway.

We are interested in such information as the size of the deposit, the chemical analysis and the elevation.

We would appreciate it if you could direct us to the proper source of this additional information.

Very truly yours,

PERMANENTE CEMENT COMPANY

*James E. Carrel*

James E. Carrel  
Assistant to Vice President

JEC/lgm

DEPARTMENT OF  
NATURAL RESOURCES

200 3

Aug 3 1959

DEPT. OF  
NATURAL RESOURCES  
ALASKA

*Handwritten note at bottom of page, partially illegible.*

Div. 3

June 23, 1959

Mr. Scott O. Simenstad  
Walsh Construction Company  
P. O. Box 547  
Orville, California

Dear Mr. Simenstad:

In re Mineral Possibilities of Prince William Sound

Governor Egan forwarded your letter for answer. We do not know of the iron deposit in Valdez Arm of which you speak, although it might be something that has missed our attention.

We have the USEM and USGS publication on Prince William Sound, which I gather from your letter you already have or are familiar with. In addition, we have reports by various engineers on individual properties. If you will tell us specifically what you are interested in, we will know what to send you. Otherwise, it is not practical to just start sending copies of everything.

Prince William Sound is definitely a copper country, and we feel there is definite promise of minable ore bodies to be found there. However, it is going to require extensive prospecting, which is expensive, to turn something up that is good.

If we can help you further, please do not hesitate to write. If you are planning a trip north, by all means stop in our Juneau office and take a look at our files and talk things over with us.

Very truly yours,

James A. Williams  
State Mining Engineer  
Division of Mines and Minerals

JAW:ds

OFFICE OF THE GOVERNOR

Div. 3

June 18, 1959

Mr. Scott O. Simenstad  
Walsh Construction Company  
P. O. Box 547  
Oroville, California

Dear Scott:

It was nice hearing from you. Thank you for the kind personal remarks.

I sincerely hope you will be successful in developing a mineral operation in the Prince William Sound area. I am directing your letter to the Department of Natural Resources, and I am sure you will hear from them shortly.

I look forward to seeing you when you are in Alaska.

Sincerely yours,

William A. Egan  
Governor

WAE:jk

cc: Commissioner of Natural Resources ✓

JUN 22 1959

# Walsh Construction Company

GENERAL CONTRACTORS

DAVENPORT, IOWA



T. J. WALSH, CHAIRMAN OF BOARD  
W. A. DURKIN, CHAIRMAN EXECUTIVE COMMITTEE

T. J. WALSH, JR., PRESIDENT  
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J. J. MURPHY, VICE-PRESIDENT  
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P. S. SMITH, TREASURER  
D. C. COOK, ASST. SEC'Y-TREAS.

T. F. TAYLOR, CHIEF ENGINEER

GENERAL OFFICES:  
711 THIRD AVENUE  
NEW YORK 17, N. Y.

DISTRICT OFFICES:  
2 FINE STREET  
SAN FRANCISCO 11, CALIF.

901 KING EDWARD BLVD.  
MONTREAL 23, QUEBEC

OFFICE AT: Oroville, California  
P.O. Box 547

June 16, 1959

Hon. William Egan, Governor of Alaska  
Executive House  
Juneau, Alaska

Dear Billy:

It was nice to hear that you have virtually recovered and are now back in the harness. From what they tell me there are no further complications anticipated, for which I am very personally grateful.

As you know and when we were kids around the Valdez-Cordona area, I was always extremely interested in the mineral potential and in these last ten years when time would permit, spent a good portion of it on reconnaissance work primarily in the Kotsina-Kuskiquin area. To fit into our thinking at the present time, we would like to work a simultaneous operation in the interest of economy in the Prince William Sound area also.

Dominick Vietti told me about an iron deposit located in the Valdez arm and although we have no objections to starting out on such an expedition, we would like to have a little more data that possibly the State Department of Mines might have. I have already acquired considerable data on the area from the Federal Government Bureau of Mines, however it is extremely obsolete.


X I was writing this letter in hopes that you could direct it to one of your proper departments, and any publications or reports that they can give me would be sincerely appreciated.

I have already written George Gilson in an endeavor to get him away from the mercantile business for a trip up the bay and through our combined efforts perhaps we can gather sufficient data to plan our trip properly.

My very best personal regards and hoping to have the opportunity to see you on the way either in Juneau or Anchorage. I am

Very truly yours,

WALSH CONSTRUCTION COMPANY

  
Scott O. Simerstad

SOS/ams

cc- L. E. Huntington



May 19, 1959

193-310  
New

Mr. J. K. Brooks  
Kaiser Aluminum & Chemical Corporation  
Kaiser Building  
1924 Broadway  
Oakland 12, California

Dear Ken:

In reply to your inquiry of May 15, 1959 relative to limestone in South Central Alaska, we have the following three items of possible interest in our files:

(1) Anchorage quadrangle. Little Rabbit Creek, 220 feet east of Anchorage-Seward Highway. Five mining claims held by Thomas Mely and James George. Last recorded assessment work 1956.

(2) Seward quadrangle. West of Mile 6 Bridge on Seward-Anchorage Highway. One mining claim held by E. R. Senft. Assessment work reported up to date.

(3) Seldovia quadrangle. On Gray Cliff on east shore of Seldovia Bay. One claim held by Charles B. Abbott. Last assessment work recorded 1957. U. S. Geological Survey reference Bulletin 587, pages 42, 111 to 112.

The only publication we have covering limestone is the one on which Fay Libbey based his report on Southeastern Alaska. There is some limestone on the railbelt about halfway between Anchorage and Fairbanks. Little interest has been shown in the past in limestone in your general area of description. We are enclosing a copy of Pamphlet No. 6 covering the Southeastern limestone deposits.

This isn't very much information, but hope it is at least a start for you.

Kindest personal regards.

Sincerely,

Phil R. Holdsworth, Commissioner  
Dept. of Natural Resources

PRH:cm  
enc.



193-3rd Div

KAISER ALUMINUM & CHEMICAL CORPORATION

KAISER BUILDING, 1924 BROADWAY, OAKLAND 12, CALIFORNIA

May 15, 1959

DEPARTMENT OF MINES

RECEIVED

MAY 18 1959

JUNEAU, ALASKA

Mr. Phil R. Holdsworth  
Commissioner of Mines  
Department of Mines  
Box 1391  
Juneau, Alaska

Dear Phil:

One of my professional friends has asked me for references on limestone occurrences in a limited area of Alaska. I have never been in Alaska so do not know the area names that you use up north. The center of interest would be more or less Anchorage and Seward, and extend along the southward looking coast from more or less 140°-160° W longitude. This excludes Southern Alaska, the Aleutians, the parts facing on Bering Sea and the Arctic Ocean and the great mass of the interior of Alaska. It looks like Cook Inlet, Kenai Peninsula and Kodiak Island might be of interest, though interest could extend farther east and west along the coast to the longitude limits mentioned.

Can you refer me to any specific publications on limestone within this area, or even on just general geology and geological maps, that might include discussions on limestones.

I realize that the Alaska work of the U.S.G.S. is done out of Menlo Park, California and that Menlo may also have both published and unpublished information on limestones in the same area.

Thank you for any guidance that you can give without putting yourself to a great deal of work. I have in mind that some organization in Alaska perhaps your own may have put out a specific publication on the limestones in Alaska such as Fay Libbey got together on the Pacific Northwest for the Raw Materials Survey of Portland. Fay covered southeastern Alaska only.

Best personal regards.

Sincerely,

J. K. Brooke

JKB:fw

~~50.5.07~~  
193

April 15, 1959

Mr. John H. Dyer  
E-Chester Box 3-515  
Anchorage, Alaska

Dear Mr. Dyer:

We wish to acknowledge receipt of your letter of April 3, 1959 relative to some unconsolidated gold bearing material which you wish to mine and mill. As long as the material is not in place in solid rock with definitely defined walls, it cannot be staked as a lode claim. We believe the material you mention must be staked as placer.

We would suggest that you contact our engineer Mr. Martin W. Jasper in the office located at 329 Second Avenue, Anchorage. We believe he could be of some assistance to you in determining the method of staking the ground in question and its treatment.

Mining claims cannot be staked on tideland. However, there are provisions in the mining laws which allow a person to recover precious metals from tideland material without the staking of claims. Again we would suggest that it would be worth your while to pay a visit to our Anchorage office and discuss your problems in person with Mr. Jasper.

Sincerely yours,

Phil R. Holdsworth  
Commissioner of Mines

PRH:cm

cc - Martin W. Jasper

*Handwritten signature/initials*

**MEMORANDUM****Territory of Alaska**

FROM: Martin W. Jasper

APR 25 1959

DATE : April 22, 1959

FBI  
U.S. DEPT. OF JUSTICE

TO : Phil R. Holdsworth

SUBJECT: JOHN H. DYER PROJECT  
REF: COPY YOUR APR. 15 LETTER  
TO MR. Dyer

Mr. Dyer was in the office Monday this week concerning his "project". He has been a frequent visitor to this office thruout the period I have been here.

From his past discussions of various pet "projects" it is evident he is quite dreamer. So far as the numerous proposed (and in some cases carried out to certain points without profit to anyone) ventures of the past six years are concerned, none of them <sup>were</sup> practical, and certainly none of them have been successful. His last venture - the only one I appraised - was an abortive effort concerned with a placer venture a few hundred yards up stream from Seward-Anchorage Hiway bridge crossing Victor creek. At that point - which is a short distance below a canyon section of the stream - he attempted to put down a shaft or two to bedrock on the right limit of Victor Creek. This shaft did not reach objective, and material removed and remaining on the dump was glacial clay with some gravel lenses of same origin. Panning of dump showed no colors. Near this location he had set-up a slack-line scraper and made a short effort to move the material (of similar nature) from left limit bench of Victor creek. This project was abandoned, apparently about the time of my visit, as no one was there and no work is reported as having been done since then in the area.

Confidentially, the area he mentioned in his April 3rd letter to you (addressed to Dept. of Mines, Juneau) is located ~~in a~~ in a lowland area in vicinity of Columbia glacier. From the "details" he gave in his letter and additional gems of information he gave me in our discussion Monday, his proposal and plans seem obviously impractical, and his claims of values are based on "nebulous" theories - most certainly not upon a sampling program.

Somehow, John has accumulated a lot of 2nd hand equipment. He must raise money by some promotional means, as I am sure he has none of his own. To date I have never received or heard of any complaints concerning his "promoting" - my idea is that he gathers a few fellows together as "working partners" and that very little actual cash is involved.

Men who have known him years ago state he was a prodigious worker, and personally honest. In recent years they suggest that he has been a bit "off his rocker". Personally, from my many contacts with him, it seems obvious that he has lost his practical sense of value - assuming he ever had the same! For years he has owned the Dyer Au-qtz property across the glacier cirque from the old Crown Point mine. He leased that property 3 or 4 years ago to a Seward group, and claims the lessors failed to pay him the full royalty due from production. That may be so - actually, though, their production was much less than Dyer reports so far as I have been able to determine.

March 6, 1959

Mr. W. H. Loerpabel  
307 North Longfellow Avenue  
Tucson, Arizona

Re: reports on copper prospects -  
Copper River area - 3d Division

Dear Mr. Loerpabel:

Your letter fell into the right hands. We have the most complete files of information on Alaska minerals in existence. However, a general inquiry such as yours is difficult to answer. We have a complete file of USGS Bulletins on Alaska, files of reports by engineers of this department and others, location and ownership information on claims, and other information here in this office. However, to do a research project or general summing up of an area or district, a person needs to visit this office and spend some time checking through, and perhaps studying, what we have available. A number of companies have planned their reconnaissance exploration programs here.

We enclose a USGS index map and accompanying list of Alaskan bulletins from which you can determine what bulletins may be of use to you. Perhaps you can obtain them at a local library. If you care to tell us what particular properties you might be interested in, we will be glad to check the files for that specific information, and if we have reports of interest to you, we can possibly get them reproduced and send them to you. Your inquiry will be held strictly confidential if you so wish.

The Richardson Highway is mostly black-topped now, I believe, though some may be yet gravel. It is generally kept open during the winter except for short spells of severe snow conditions, and a weight restriction is placed on it during the spring thawing period. For further information along this line and for highway freight rates, write to any or all of the following:

Alaska Freight Lines  
Merrill Field  
Anchorage, Alaska

Garrison Fast Freight, Inc.  
Warehouse Terminal Yards  
Anchorage, Alaska

Weaver Brothers, Inc.  
Terminal Yards  
Anchorage, Alaska

March 6, 1959

We have nothing published on winter freighting with tractors, but it has been going on up in this country ever since the placer miners traded their horses in for tractors. It was developed to a fine art, you might say, since the War by the U.S.S.R. & M. Co. in moving dredges from one creek to another, and particularly up on the Arctic Slope in the Naval Petroleum Reserve No. 4 oil exploration work. A man who had a great deal to do with the latter freighting operation is Ted C. Mathews of Exploration Services, Inc., P. O. Box 2061, Fairbanks, Alaska. Perhaps you could get some information from him.

Very truly yours,

James A. Williams  
Territorial Mining Engineer

JAW:ds  
enc.

193-3rd Cir

Air Mail

307 North Longfellow Ave.  
Tucson, Arizona  
February 25, 1958.

Department of Mines  
State of Alaska  
Juneau, Alaska

Gentlemen:

I am not sure that I am addressing this letter correctly, but I hope that it will fall into the right hands. I am a mining engineer, at present investigating reports of copper prospects in the Copper River area, northeast of Valdez. If you have a list of technical publications on this area I would appreciate your sending it to me.

Also I am interested in investigating the cost of transportation of ore or concentrate over the Richardson Highway. Can you tell me where I can obtain information on the condition of that highway, summer and winter, and the present cost of trucking over it?

Does your department publish any data on the use of tractors and sleighs for winter transportation in that country? If so I would like to obtain copies.

Yours very truly,

  
W. H. LOERPABEL

DEPARTMENT OF MINES  
RECEIVED  
MAR 21 1958  
JUNEAU ALASKA

Office Memorandum . Territorial Department of Mines

193-3-1  
Dunn

To : Jas. A. Williams

Office: Anchorage

From : Martin Jasper

Date : Dec. 9, 1958

Subject: E. E. MAILLOT, PHELPS DODGE CORP. INQUIRY RE COPPER PROSPECTS  
SHEEP MT., LITTLE SUSITNA-MOOSE CR, & PAINT R. AREAS

Enclosed you will find copies of my replies to Mr. Maillot's inquiries, which finally completed and mailed yesterday.

*M J*

*Letter filed in appropriate folder  
Sheep Mt. - 85 (Amunak)  
Moose Creek - 85  
McNeil - 103*

Many thank for sending me the list of Cinnabar References - it will come in very handy.

*M J*  
M J

DEPARTMENT OF MINES  
RECEIVED  
DEC 15 1958  
JUNEAU, ALASKA



193-3rd Bend

John P. McKee  
Route 2, Box 64 A  
Forest Grove, Oregon

Mr. Phil R. Holdsworth, Commissioner  
Territorial Department of Mines  
Box 1391  
Juneau, Alaska

April 17, 1956

Dear Phil:

Thank you very much for your letter of April 6th. I quite understand about the drill and am almost ready to agree that we need one of our own. Maybe we'll have to get one this summer, at least I hope so.

Art Glover has been digging up a good bushman for me and I expect to come to Ketchikan this week to see him. Also, I received an application from Donald E. Pruss, who states that you mentioned our name to him. I will also try to talk to Pruss in Anchorage. Perhaps we can use him, but he will not be available until July, which is rather late.

Hope to see you soon.

Regards,

*Mac*

John P. McKee

JPH:mm

DEPARTMENT OF MINES  
RECEIVED  
APR 18 1956  
JUNEAU, ALASKA

MAY 9 1956  
DEPARTMENT OF MINES

193-32867

Office Memorandum . Territorial Department of Mines

To : Jas. A. Williams

Office: Anchorage

From : Martin Jasper

Date : April 28, 1956

Subject : CYPRUS MINES 1956 PLANS.

Thank also for your Memo on this company's plans for the season.

With regard to Gus Palm I can well imagine Tub Garrett's reaction to Palm's request for employment on field work. Last years experience would have scratched the fellow off my list as well.

With regard to Keith Young he is the one Phil mentioned to you. We both feel he has his feet on the ground and believe he will be a good asset for Stewart, Garrett, and Lundeen to have on their roster.

I also feel that George Kalmbach will prove to be a good man to work with Lundeen and Garrett. A Michigan State graduate, he has spent his "leave time" up here making field trips on his own account. Last year went in alone to the upper Kashwhitna River copper shows; did not find the narrow highgrade veins, but brought back a few pieces of diorite in which the hornblende had been replaced by bornite. This latter would be of more interest to me than the narrow veins. Reported he located one claim on his 2nd trip. George has taken up a homestead in Wasilla area with plans to stay in the Territory; however, he would forget that if Cyprus decided to keep him the year round and wanted him to go outside.

*MJ*  
M J

Ed Brenner was in yesterday but I was busy and did not get chance to ask how the NO\*GRUB Creek venture was progressing. They are hauling in a lot of heavy freight, including lot of rails, pipe, etc they bot from Bob Boyds employer at Eklutna.

*MJ*  
M J

DEPARTMENT OF MINES

RECEIVED

APR 30 1956

JUNEAU, ALASKA

April 6, 1956

Mr. John P. McKee  
Route 2, Box 64 A  
Forest Grove, Oregon

Dear John:

First, to answer your question on the use of the portable drill for assessment work, we could not let a drill go out on that basis. We would be wide open to criticism as the law very clearly states the purpose for which the equipment will be rented. I could be wrong but it seems to me you almost hold enough claims to warrant purchase of one of the drill units. Drilling would certainly give you more information than would some blasted trenches.

I'm prepared some more claim sketches. On the subject of unpatented claims we feel that these are negligible in the areas you propose to study. We do use our central recording file for answering inquiries such as yours but it is not open to public inspection. We would have a crew of "snoopers" in the office all the time if we opened these files to the public.

Will try to answer your other questions in order - (Letter of March 30):

- (a). We do not know. On occasion one small plane has attempted to make a "go" of it there.
- (b). At Anchorage both wheel and float planes are available (any number of them). Would suggest Seward always at Merrill Field for wheels and Alaska Floatplane Service at Lake Hood for floats.
- (c). Probably could arrange a charter boat out of Seward without any difficulty.
- (d). No pack horses in Valdez.
- (e). There is a copter service in Anchorage with several units. You should be able to get what you want there.

3 in Billings  
193

Mr. John P. McKee - page 2

April 6, 1956

Sure glad to hear that our efforts on the Union Bay deal  
may yet bear fruit.

Kindest personal regards.

Sincerely,

Phil R. Holdsworth  
Commissioner of Mines

PRH:jc  
Encl.

3<sup>rd</sup> Division  
192

John P. McKee  
Route 2, Box 64 A  
Forest Grove, Oregon

DEPARTMENT OF MINES

RECEIVED

APR 2 1956

JUNEAU, ALASKA

Mr. James A. Williams  
Territorial Department of Mines  
Box 1391  
Juneau, Alaska

March 30, 1956

Dear Jim:

Thanks for your letter of the 27th. Every time I write to Phil, you reply, and vice versa.

Since you have been kind enough to stick your neck out by offering to secure further information on transportation facilities, I will put a few more questions:

- a) Is there an air service at Seward?
- b) What air service would you use out of Anchorage, to get an airplane by the week?
- c) Any possibility of charter boats (to handle 4-6 men) out of Seward?
- d) Are any pack outfits (horses) available out of Valdez?
- e) Is there a reliable charter helicopter service with open summer time at Anchorage? Would Alaska Coastal take their helicopter to the area on charter (please do not identify beyond 'Anchorage vicinity' or the like)?

In case that doesn't hold you for a while, in reviewing the claim map sketches received so far I find none for LaFouche Island, and do not believe that I asked for any of the area south of Fort Valdez (Midas Camp to Jack Bay, etc.). When convenient, will you please let me have those also?

I can understand about the use of your drills for straight assessment work, however, would appreciate the final word on this when it is available. If no drills are available for such work, what type of work do you recommend to satisfy the requirement? (Maybe I could get Louie Stich to shoot some rock trenches, etc., how does that sound?).

When I first called Phil on this new project of ours, I inquired about unpatented claim coverage. Since nothing has been conveyed on that score, I gather that the question is

out-of-bounds or else you have forgotten about it. Would it be fair to inquire about what the proportion is of patented to unpatented ground? I can of course dig this dope up for myself later, but meanwhile am wondering how extensive unpatented coverage may be. If you don't want to answer this, 'nuff said.

Regards,



John P. McKee

JPM:mm

3rd Bureau  
193

March 27, 1956

Mr. John P. McKee  
Route 2, Box 64 A  
Forest Grove, Oregon

Dear Mac:

Yours of the 22d to Phil received, and since he is out of town at the moment and I can answer your questions, I will take the liberty of answering it. It will be left on his desk for his information, however.

The specimens were returned OK.

We appreciate the report on the susceptibilities, and if I understand the figures correctly, it looks as if you are in business. The reason for my making the remarks about understanding them is that up to now I have always seen susceptibility figures given to the plus power and these are to the minus power.

Your proposed project sounds mighty good and thanks for telling us about it. Glad you are really going to get rolling up here. Hope we can help out.

For charter planes out of Cordova, you have only the Cordova Air Service to call on, unless some private pilot has started up that I haven't heard of lately. They have a fair number of small planes on wheels and floats and one ski-wheel combination for glacier work, if that tickles your fancy. With one exception so far, my experience with them has been pretty good. They generally give good service, I believe. They are the ones that did the fast shuffle for Warren that time I told you about to let him catch the DC-3 out of town. Their prices are something like \$35 an hour for a Cessna 170 and \$45 or \$50 for a 180.

Boats I am not so sure of, not having ever looked into that at Cordova. There are plenty of boats there, but nearly all are work boats and mostly they seem to run to an extra large open skiff type of boat. I am quite sure that you can charter a boat there, though, at any time except perhaps when a good run of salmon is on. If you want us to go further

John P. McKee

Page 2

March 27, 1956

into it for you, we will be glad to. Also you might pick up one at Valdez, if not Cordova. No planes at Valdez, though, unless you have them come from Cordova or Anchorage.

No, Cordova is not quite connected to the highway net, as yet, not be about 100 miles. Eventually, there will be a road up the Copper River to Chitina, but please don't hold up operations while you wait for it.

Thanks for the dope on progress with U. S. Steel. Sounds promising .

Now that I read your letter over again, I realize I can't answer all the questions as well as Phil, but since I have gotten this far, I'll send it anyway. On the drill the Act that set up the equipment rental was passed with the intent that it should help prospectors make discoveries and develop their prospects. Since your purpose would be strictly for assessment work, though admittedly you would be doing development work, yours might be a different case. I'll pass the buck to Phil on this one, and see what he says. If it is OK, for you to use it, the drill is idle at the moment, but the snow is mighty deep yet. Two uranium hunting outfits are waiting to use it when conditions permit. We rent it out at \$10 per day, and try to limit it two weeks per customer so that it can be spread around as much as possible. You buy your own bits. As to who gets it when, first come first served, so long as the customer is reliable and the purpose is right. I'll talk to Phil about it and one of us will let you know as soon as he returns.

Best personal regards,

Sincerely,

James A. Williams  
Territorial Mining Engineer

JAW:ds



DEPARTMENT OF MINES

RECEIVED

MAR 26 1956

JUNEAU, ALASKA

John P. McKee  
Route 2, Box 64 A  
Forest Grove, Oregon

3<sup>rd</sup> Division  
193

Mr. Phil R. Holdsworth  
Commissioner, Territorial Department of Mines  
Box 1391  
Juneau, Alaska

March 22, 1956

Dear Phil:

Thank you for furnishing the samples to Hycon Aerial Surveys. Mr. Hunter states that the specimens have been returned to you undamaged and I wish you would let me know if this is not correct. I sent George Gates a copy of the susceptibility determinations and enclose one for you also in case it is of any interest.

We have decided to have a go at the area discussed with you by telephone and the size of the attempt will undoubtedly keep us in Alaska this season. Because of topographic conditions, technique limitations and non-availability at present of suitably equipped helicopters, we have had to plan on two separate stages of work. The initial large scale (for us) air phase will be starting very shortly and I will be about 5 or 6 weeks behind it with foot soldiers to carry out the second method application on the ground at the spot locations obtained by air (we hope). Will discuss this in more detail when I next call at Juneau, which should not be too long from now.

Meanwhile, I wonder if you or Jim can tell me anything about charter boat and aircraft availability at Cordova? If there isn't much there, where else would you go for such services? Also, is there a highway connection between Cordova and the Alcan as yet?

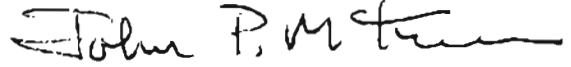
You will be interested to know that Warren has made progress at Pittsburgh. The haggling right now is about two specific points in a lease proposal received by us, so we are no longer out and out interlopers. That we have been able to reach this point is certainly due in large measure to the stand which you took in the matter in 1954. If we get lucky enough to turn up a producer this summer, that may serve to some extent to repay the earlier account.

What is the chance of getting one of your pack sack drills to do assessment work at Snettisham? This might be done right away if you believe the snow would permit, otherwise it would seem best to contract it, if possible, to someone for May or June when I shall be busy elsewhere.

Also, we might want a small drill about mid-summer; how do you let these out in a case of that sort?

Please thank Jim for his letters and recommendations. The maps showing patented claim coverage were not discouraging and have been most helpful.

Regards,



John P. McKee

JPM:em  
Encl: list

ack 12/10/57

## ALASKAN ROCK SUSCEPTIBILITIES

### Pyrrhotite specimens from Alaskan Geological Survey:

5417	2 Pcs		9,230 x 10 <sup>-6</sup> cgs
5456	1 Pc		1,340 x 10 <sup>-6</sup> cgs

### Ore samples from USGS

CLS	Ellamar #1	(pyrrhotitic)	648 x 10 <sup>-6</sup> cgs
CLS	Ellamar #2	"	1,620 x 10 <sup>-6</sup> cgs
GOG	Ellamar #1	"	2,130 x 10 <sup>-6</sup> cgs
GOG	Ellamar #2	"	<100 x 10 <sup>-6</sup> cgs
GOG	Ellamar #3	(massive pyrite)	<100 x 10 <sup>-6</sup> cgs

The greenstone samples from the U.S.G.S. proved to be essentially non magnetic (K < 100 x 10<sup>-6</sup> cgs)

193-3<sup>rd</sup> Div

March 26, 1956

NOTED  
MAY 2 1956  
MINE DIVISION

Mr. Blair W. Stewart,  
Cyprus Mines Corporation,  
523 West Sixth Street,  
Los Angeles 14, California.

C  
O  
P  
Y

Dear Blair:

Wiley

RE: Simms Company (Copper prospect)  
REF: Your Feb. 3rd Letter to Phil Holdsworth &  
My March 8th Letter to you

Enclosed you find the reply of Owen Meals to my inquiry concerning the address of the Simms Company and/or men associated with that organization.

Owen's letter - received this morning - may be of some assistance in effort to contact men formerly associated with the Acme Mining Company and with the Simms Company. Mr. Howard B. Kinsman at the 115 Teresita Blvd, San Francisco, may prove to be the easiest one to contact.

You can return Mr. Meals letter at your convenience.

It is to be hoped that the above (and enclosure) will be of real use in finally getting the information you wish concerning the old Wiley copper prospect, located on Ptarmigan Creek.

With kind personal regards,

Very truly yours,

Martin Jasper  
Territorial Mining Engineer

March 23rd & 24th ADME Meetings:-

The Banquet and Forum on following day were well received, and considered the best deal the local section has had to date.

We are advised that the current Nat'l ADME president will visit our section in late June or early July this year (with few days fishing, etc thrown in). It is hoped that you, Tub, and Bill may be in the area at same time, and join in the "whoopie".

Havnt seen or heard of Neil Finnissand but will deliver your message when I do.

Still on our "homestead" - no takers yet to retrieve our equity and get the other place. Chances dont look good at the moment.

M J

C-PRH

Office Memorandum . Territorial Department of Mines

3 - *Division*  
193

To : Phil R. Holdsworth

Office: Anchorage

From : Martin Jasper

Date : March 13, 1956

Subject : MAGNETITE # KENAI & TYONEK QUADRANGLES. (IN WITHDRAWN AREA).  
REF: KLETH YOUNG, EXPLORATIONS INC.

CONFIDENTIAL

Kleth Young was in yesterday to ask if we had any information regarding magnetite occurrence in Tuxedni Bay area. First time had met him - he is a flyer, and states Explorations Inc. is a local group of six men with him the only active field man.

With regard to the Tuxedni area advised him the only occurrence that had been called to our attention was the one I made two efforts to locate without success and that we were later advised of its correct location and that it was not considered of interest.

Got map and showed him ~~him~~ above reported location, but he stated that was not the one he had in mind. His interest lies in a reported 25 ft width occurrence which cuts across Chisik Island about 1/3 the way north of Islands south end. That was first I had heard of ~~of~~ that supposed occurrence which he plans to check on soon as weather conditions permit.

on

From there Mr. Young went to advise of his activities past two seasons, during which he claims to have found a number of magnetite occurrences in the Susitna region - I should say southwesterly from Hayes Glacier field on Cook Inlet drainage side of Tyonek and Kenai Quads.

He reported that he thought the possibilities of sufficient potential magnitude to have contacted Alexander Smith, Geologist, <sup>Vancouver, B.C.</sup> ~~St. Eugene~~ Mining Co. (Frobisher-Ventures group) who plans to make an examination of the areas soon as weather conditions permit. (Hence my enclosed <sup>copy of</sup> invitation to Mr. Smith). He also mentioned having been in contact with Columbia Steel (U. S. Steel subsidiary?), referred to a Chas. A. Campbell, mining Engineer, also Vancouver man, which I inferred might also be up to look over these occurrences. I believe the Chas. Campbell is an engineer I know of that name - if so, he is a very competent man.

Mr. Young's principle reason, I believe, in speaking of these latter occurrences, which he knows to be in military withdrawal area, was to determine what the actual restrictions were as concerned mining. I had noted last year, when the air force had additional land withdrawn in upper Skewenta region they reported it remained open for prospectors at their own risk; whether the land on which his reputed magnetite deposits occur is included in the 1955 withdrawn area I do not know.

Young was here for better part of an hour, and on leaving I advised him that you would be up for 3 or 4 days around March 23rd and it would be a good idea to dig into the matter with you - which he said he would like to do. Another problem in which you can be of real help, I believe.

I liked Mr. Young's appearance and approach to his problem - it was the first I had heard of his Explorations Inc.

M J

*Sent Young a field to Klet Young deal.*  
*different by know of has met him on the Canadian side.*  
*Young reports his interest in a occurrence on Alaska coast.*  
*Canadian boundary 75 ft that he and for in British Columbia.*

DEPARTMENT OF MINES  
RECEIVED  
MARI 4 1956

JUNEAU, ALASKA

Office Memorandum . Territorial Department of Mines

3<sup>rd</sup> Div.  
193

To : Phil R. Holdsworth

Office: Anchorage

From : Martin Jasper

Date : March 9, 1956

Subject : KOTSINA-KUSKULANA DISTRICT - OWNERSHIP OF COPPER PROSPECTS

Wrote Blair Stewart yesterday regarding results of my researching the local BLM offices for additional information.

As you will note I have not as yet been able to add a great deal to the sum total of information on the list of properties they sent to you.

While in Sieser's office, he called my attention to a fairly thick volume - about 1 1/2" thick - reproductions he made from a volume he had obtained for the purpose from Mr. Chipperfield. The Title is -

MINING CLAIMS - TERRITORY OF ALASKA

and was compiled by -

ALASKA PLANNING COUNCIL in May 1939

There are nine headings at top of each sheet reading as follows -

<u>Survey No.</u>	<u>Dated of Survey</u>	<u>Serial No.</u>	<u>Claim name</u>	<u>Mining District</u>	<u>Area</u>	<u>Recording Precinct</u>	<u>Date of Patent</u>	<u>Remarks</u>
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This volume would be a highly desirable one to have, as in glancing through it there appears to be quite a complete listing of Patented ground (mining), and Mineral surveys completed but patents not necessarily issued or finally applied for.

Do you know this volume and/or do you have a copy of it? Looks to me as though it could save a lot of time in "researching, and that it would be highly desirable to have. Let me know about it - if you do not have a copy of that volume arrangements could probably be made to get copies of that record reproduced here from Chipperfields copy.

Will keep my ear to the ground and spend some more time trying to get or add to the sum total of information on the copper claims named in your reply to Blairs letter.

MJ  
M J

DEPARTMENT OF MINES  
RECEIVED  
MAR 12 1956

UNRECORDED, ALASKA

3rd Rev

March 8, 1956

DEPARTMENT OF MINES  
RECEIVED  
MAR 12 1956

JUNEAU, ALASKA

Mr. Blair W. Stewart,  
Cyprus Mines Corporation,  
1206 Pacific Mutual Building,  
523 West Sixth Street,  
Los Angeles 14, California.

C

Dear Blair:

RE:Kotsina-Kuskulana, White River, & Nabesna  
Districts Patented Copper Claims  
&F: Phil Holdsworths Feb. 8th Letter

O

Researching in the local Bureau of Land Management offices, as a "follow-up" on Phil's office investigation, has not been very productive to date in determining ownership of the several old properties you are interested in.

The following comments are made in the order of Phil's Feb. 8th letter to you:

P

(1) Great Northern Development Company, Copper Mountain, Clear Creek, Kuskulana. The BLM office could not find a Plat of the Survey in their files. Jones, Walker, and Waschter, National Bank of Commerce Building, New Orleans 12, seems the best contact to get any details.

Col.

Y

On Feb. 1st, 1955, I received inquiry from C. M. Anderson, Headquarters A. A. F., Elmendorf Base, Anchorage regarding what information we might have regarding the Great Northern company. He advised that he had recently been transferred from the east coast and some friends who held some stock in the company asked him to check on the status of that company. He did not give their names, addresses or extent of their stock interest. The Col. advised that a Duncan V. Harrison, was (had been) president, secretary, or some other instrument in its organization and/or promotion.

In reply to my inquiry regarding the Great Northern to Phil at that time (2/18/55) he advised the Great Northern had the 33 patented claims on Clear Creek, a second group of 23 patented claims covering the Green Butte property west of the Kennecott Mine on opposite side of McCarthy creek, and a third group of 8 patented claims on Donahoe Peak, which is also just west of the Kennecott Mine.

There was some confusion in Col. Anderson's mind as to name of the company - he thought it was "Great Northern Exploration and Mines Development Company". Not finding any trace of this latter name Phil assumed (and I agreed) that it must be the Great Northern Development Co. the Col. had in mind.

(2) Alaska Consolidated Copper Company.

On this company the BLM Atlas sheets (3 sheets) in record book gives the following information:-

Blair W. Stewart  
Cyprus Mines Corp.  
RE Kotsina-Kuskulana, etc Copper properties

March 8, 1956

Alaska Consolidated Copper Co., McCarthy Holding Company.  
Application by Geo. J. Stone, Attorney, Valdez, Alaska.  
Mineral Survey No. 892, Serial No. 1409.  
Buffalo, Blue Bell, Pennsylvannia, Whitehorse Lode Claims  
(Presumably this group did not go to Patent after survey was made).

Alaska Consolidated Copper Co.  
Application by Geo. J. Stone, Attorney, Valdez.  
Mineral Survey No. 891, Serial No. 1410.  
Germantown Lode. 17.361 Acres.  
Patent issued No. 487252, August 15, 1915.  
Patent sent to company. Fred C. Bard, Asst. Sec., 60 Wall St., N. Y.  
(I have a vague recollection that one of the Arizona copper companies  
- Miami, United Verde, or Phelps Dodge (?) had and possibly still  
hold some patented claims in this general region. Could the old  
Wall Street address be one of them, and this be the property???)

Alaska Consolidated Copper Co.  
Application by Geo. J. Stone, Attorney, Valdez.  
Mineral Survey No. 893, Serial No. 1411. Wisconsin & other Lodes.  
Tom Thumb, Tom Thumb No. 2, Lucky Boy, Valdez, York, Wilkesbarre,  
One (?) Girl, and Comstock Lode Claims. 619.83 acres.  
Patent issued No. 4875, August 15, 1915.  
Record did not state but it probably was also sent to Fred C Bard, N. Y.

The BLM did not have PLATS available; they are in considerable turmoil  
as they have been moving offices and are not too well organized to date.

Presumably the Barus Group (generally known (?) as Copper Queen) is not patented.  
However, will do some more digging on this one.

(3) Hubbard Elliott Copper Company, Elliott Creek. This was promoted in  
Chicago in the late "teens". Mr. Hubbard, who was an active instrument in  
that promotion venture - and with Mr. Elliott, one of the locators - gave  
me a rambling account of that project two years ago. He is still alive, un-  
derstand he lives in Seward, and it might be worthwhile to contact him when  
you come up this season. However, he is not considered an especially reli-  
able gentleman, and I would believe that the two references Phil gave you  
Mrs. Bertha M. Hubbard, San Diego, and Carl F. Gould (architect), Seattle,  
would be the most desirable to get in touch with, in view of their ownership  
of the property (ref. Phil's Feb. 8th letter).

Orange Hill claims, Nikonda Creek, Nabesna River drainage.

So far as local BLM office is concerned, they have no record of a patent  
having actually been issued, although the survey was made for that purpose.  
Knowing of the Orange Hill claims for many years it has always been my im-  
pression they were patented - at least Copper River valley residents have  
advised me they were in the past. Bear Creek Mining Co. (Kennecott subsid.)  
dropped their option 2 years ago following some geophysical work, some trench-  
ing, and possibly some drilling.



March 6, 1956

Mr. John McKee  
Route 2, Box 64 A  
Forest Grove, Oregon

Dear Mac:

Phil said you want the locations of patented ground in the vicinities of Cordova and Ellamar. Enclosed are three tracings which cover the situation. Also enclosed is a list of Prince William Sound copper references that I compiled for someone a while back and had forgotten about. It wasn't you, was it? Anyhow, I ran across it in my file and thought perhaps you could use a copy.

So what's new? I see Phil sent some samples to Ryeon for you to be tested for magnetic susceptibilities. That's the outfit that has the exclusive use of the new Varian hydrogen-nucleus orientation magnetometer, isn't it? I presume you got a look at the outfit while you were there.

The snow is piling up something frightful now. Setting some kind of record. Just won't seem to stop.

Sincerely,

James A. Williams  
Territorial Mining Engineer

JAW:ds

3rd Div  
193

CYPRUS MINES CORPORATION  
523 WEST SIXTH STREET  
LOS ANGELES 14, CALIFORNIA  
TELEPHONE MADISON 6-3231

March 2, 1956

Mr. Phil R. Holdsworth  
Commissioner of Mines  
Department of Mines  
Box 1391  
Juneau, Alaska

Dear Phil,

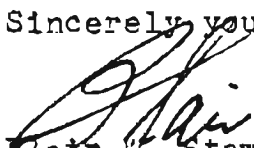
Thank you so much for your letter of February 27 and the enclosed reports by Bob Saunders and B. D. Stewart. I am very glad to have these and am sending copies along to Tub Garrett so that he can study them and give me his views.

The reports do not engender much enthusiasm in the area, primarily due to its remoteness. Further, there is considerable doubt in my mind that the nickel mineralization could be primary in the limestone. It would appear to me to be more logical for it to be a secondary precipitation derived from leaching in the nearby basic rocks.

You are quite right that we are up-to-date on our previous request except for the claim information from Martin. There is no particular hurry in this, as I know he is busy in many other affairs.

Many, many thanks for your help. Kindest regards.

Sincerely yours,

  
Blair W. Stewart  
CYPRUS MINES CORPORATION

BWS:hh

DEPARTMENT OF MINES

RECEIVED

MAR 5 1956

JUNEAU, ALASKA

PHR:ca  
enc.

Phil R. Holdsworth  
Commissioner of Mines

Sincerely yours,

We are enclosing a copy of our old report on the Copper River area.

of the Berlin River area. affect the importance of the high grade coals of only 2,000. This fact, of course, does not capacity of 6,000 tons per day with a market with the fact that we now have a producing Territory. We believe you are already familiar of the present coal producing status of the The same conditions apply with the exception you is the same one which we gave in 1952. about the only answer or statement we can give In reply to your request of February 24,

Dear Ralph:

Mr. Ralph Browne  
P. O. Box 384  
Anchorage, Alaska

February 27, 1956

3 PR  
193

3rd Dist  
193

Herb Hilscher  
Phone 38012  
Ralph Browne  
Phone 33162

ALASKA RESEARCH ASSOCIATES

P. O. Box <sup>384</sup> Anchorage, Alaska

February 24, 1956

Mr. Phil R. Holdsworth  
Commissioner  
Territorial Department of Mines  
Juneau, Alaska

Dear Phil:

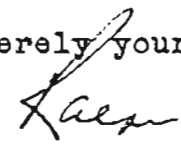
We have been retained by Cordova Airlines to prepare an economic exhibit covering the Prince William Sound-Copper River basin area for use in the forthcoming Intra-Alaska Air Services Case before C.A.B.

It would be most appreciated if you could give me a brief statement expressing your views on mineral development possibilities of the area.

Since I have less than three weeks in which to complete the report, an early reply would be most appreciated.

With kind, personal regards, I am

Sincerely yours,



Ralph Browne

P.S. Many thanks for locating Pilgrim's report on the Shannon property. Am anxiously awaiting its arrival here.

RB

DEPT. OF MINES  
RECEIVED  
FEB 27 1956

3rd Div  
173

February 27, 1956

Mr. John P. McKee  
Route 2, Box 64 A  
Forest Grove, Oregon

Dear Mac:

Back in the office again and I think I'll stay here now, except for field trips which don't ordinarily commence for some time yet. The good woman is quite happy with all the changes I made around the house for her. That should keep me out of the dog house for quite a while.

In answer to your letter of February 9th, I don't know how I could miss recommending the Kennecott country for aerial reconnaissance. Surely was asleep on that one. We have been pushing for that area ever since I've been in the TDM. There's something like 400 or 500 square miles of the same geology that created the Kennecott ore bodies in that district, so in spite of all the past prospecting done there, we think it should be worked over some more. One drawback is the lack of aerial photographs east of 143°30' in the McCarthy quadrangle. The U.S.G.S. has been evading our requests for more geological works in the area with the excuse of no photos for base maps, but told us that they would have it flown for photos last summer. We have heard nothing further. You might check on this with the boys at Menlo Park if you are sufficiently interested, and if you learn anything, let us know.

Another copper district which we have been trying to get people to go into is the KOPSINA-KUSKULANA which is drained by those two rivers and Elliot Creek. It is east of Kennecott and runs over into the Valdez quad. It is well covered by aerial photography.

Enclosed is an index of prospects I compiled for the people of Cordova several years ago in helping them promote the proposed Copper River Highway, and other material that was added later. Thought you might be able to use it for the references, though the list of references is by no means complete. I whipped up a fancy map to go with the index by pasting colored bits of paper to U.S.G.S. quads for the types of prospects. The belt of copper prospects (in red) makes a nice picture.

Brother, can you spare us a little of that shirtleeve weather? We'll surely be glad when spring finally arrives (assuming it will, some day).

Best regards,

James A. Williams  
Territorial Mining Engineer

JAW:ds

3rd Div  
193

John P. McKee  
Route 2, Box 64 A  
Forest Grove, Oregon

Mr. James A. Williams  
Box 1391  
Juneau, Alaska

February 9, 1956

Dear Jim:

Many thanks for the map recently received.

Am also obliged for your thoughts on where to do aerial reconnaissance. The areas you mentioned sound okay to me. How about the Kennicott area in addition? And who would you fly with up there?

I recently sent Ken Loken an air photo of DeLangle Mountain for him to mark the bonanza's location. I have pictures for the area from there to Cape Spencer, but can't see any iron on any of them.

Shirtsleeve weather here. Clear and sunny.

Regards,

*MAC*

John P. McKee

JPM:mn

RECEIVED  
FEB 18 1956

3rd Rev  
193

February 27, 1956

Mr. Blair W. Stewart  
Cyprus Mines Corporation  
1206 Pacific Mutual Building  
523 West Sixth Street  
Los Angeles 14, California

Dear Blair:

Enclosed are copies of the Orange Hill report by Pilgrim and the Ricks Nickel Prospect report by Saunders.

In regard to payment of back taxes, the only period during which a property tax was levied on property outside of incorporated towns was from 1949 to 1952. Should you wish to actually determine the status of a piece of land in regard to taxes, this information can be gathered by our office from the Tax Commissioner in this same building.

Guess this brings us up to date in fulfilling your current request other than some possible patented claim information from Martin at Anchorage.

Kindest personal regards.

Sincerely yours,

Phil R. Holdsworth  
Commissioner of Mines

PRH:cm  
enc.

1206 PACIFIC MUTUAL BUILDING  
523 WEST SIXTH STREET  
LOS ANGELES 14, CALIFORNIA  
TELEPHONE MADISON 6-3231

3rd Rev  
173  
DEPARTMENT OF MINES  
RECEIVED  
FEB 13 1956  
ALASKA

February 13, 1956

Mr. Phil R. Holdsworth  
Commissioner of Mines  
Box 1391  
Juneau, Alaska

Dear Phil:

Thank you so very much for your letter of February 8th giving me the information on the several mining properties I inquired about. Also, thanks for the Forest Service map on which you marked the known outcrops of nickel mineralization. I certainly appreciate all the effort you have made in running this down for us and I am sure that it is going to be very beneficial to our further interest in these several areas. Our study was made on available data and, as you say, we may not have had the most up to date information. I am sure that we did not know anything about the drilling done on the Orange Hill group of claims on Nikonda Creek by the Bear Creek Mining Company a few years back. You refer to available records of drilling done in the 30's also and I am sure that we do not have these data. Is this information available in your office, or if not, where could it be obtained?

I am sending a copy of your letter on to Tub Garrett and after he has had a chance to read it we will then discuss what the next step should be in regard to running down ownership. It will be a great help to us, of course, to have the Land Office information you have asked Martin Jasper to obtain for us in Anchorage. When either I or Tub, or both of us, come up this spring we certainly want to go over these properties with you in some detail before moving out into the field. Those claims that have not had the taxes paid on them might be acquired by us but just how, I do not know as I am not familiar with Alaskan laws governing such matters. Here, property that becomes delinquent for taxes becomes State property. I presume that that may also be true in Alaska; if so, can they be purchased from the tax department by payment of back taxes and how many years back would such payment be required. In other words,



Mr. Phil R. Holdsworth  
Feb. 13, 1956  
Page 2

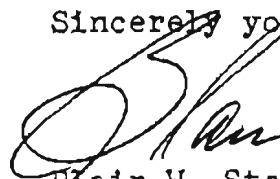
would all the back taxes, say dating back to 1930, or only the current period of delinquency have to be paid.

We have copies of U.S.G.S. Bulletins 947-G and 947-D and, as you say, they will be helpful in connection with our proposed airborne surveys.

We will keep you advised of what we decide to do regarding contacting the owners of the Hubbard Elliott claims at a later date. We, of course, want to keep you fully informed of our activities in Alaska but know that you will keep these confidential for the time being.

Again, many many thanks for your helpfulness, and best regards to you and Peggy.

Sincerely yours,



Blair W. Stewart  
CYPRUS MINES CORPORATION

BWS/a

cc: Mr. S. K. Garrett  
209 Tabor Building  
Wallace, Idaho

328 Dew  
193

February 17, 1956

Mr. John P. McKee  
Route 2 - Box 64 A  
Forest Grove, Oregon

Dear Mac:

Just a short note in answer to your last question in your letter of February 9, 1956.

The lower elevations in the Prince William Sound area are generally covered with timber, muskeg and other over-burden. It may be that if this mantle is too thick, it would interfere with airborne EM work.

Jim is still working on his house, and I am headed for Haines today. Will get the additional information on patented claims for you soon. In connected with unpatented claims on Knight Island, there are none presently held to the best of our knowledge other than the Ruz Cove group.

Regards.

Sincerely yours,

Phil R. Holdsworth  
Commissioner of Mines

PRH'cm

3rd Div  
193

John P. McKee  
Route 2, Box 64 A  
Forest Grove, Oregon

Mr. Phil R. Holdsworth  
Box 1391  
Juneau, Alaska

February 9, 1956

Dear Phil:

Thanks very much for the map showing patented ground on Knight Island. Is there any chance of getting some idea of the location and amount of unpatented ground in these areas?

I must be mistaken about your having visited McDame Creek. You ought to know.

In checking over the data on Prince William Sound, I have not yet encountered any major reason for discouragement. Probably the topography is rough enough in places to cause the method to be temporarily ineffective as the unit is flown over certain areas that are abrupt in character. It would be relatively expensive to fly because of the large amount of ferry time, even if a properly equipped aircraft were based at Edmonton, which isn't yet the case; the nearest one is at Toronto. I believe that the air phase alone would come to between \$20,000 and \$30,000, possibly more if aeromagnetics are done simultaneously. I haven't yet had an opportunity to discuss this matter with Warren as he is in the east again.

One other thing I would like to know about Prince William Sound is the amount of vegetation covering the rocks at the lower elevations. I gather that the higher parts of the islands are rugged and largely bare, but that there is fairly thick timber on the portions that are low or merely hilly. Would you say that there is plenty of outcrop at the lower elevations, or is there ample opportunity for vegetation and debris to provide rock concealment?

Sincerely,

*Mac*

John P. McKee

DEPARTMENT OF MINES  
RECEIVED  
FEB 13 1956  
JUNEAU, ALASKA

37  
J. O. W.

February 8, 1956

Mr. Blair W. Stewart  
Cyprus Mines Corporation  
1206 Pacific Mutual Building  
523 West Sixth Street  
Los Angeles 14, California

Dear Blair:

Enclosed is a Forest Service map of Southeastern Alaska on which has been marked the known outcrops of nickel mineralization, together with known geological references. We agree with your present opinion that Aero Service would probably be in a position to do a satisfactory job more cheaply than would any other established organization.

We have spent considerable time attempting to check on the status of claims in the Copper River drainage as requested in your letter of February 3. We are wondering if you have available a copy of U.S.G.S. Bulletin 947-G covering the copper deposits of the Kotsina-Kuskulana District. This covers field investigations by the Survey conducted in 1943 and may be more up to date than the information you have used for reference purposes. Our findings on the groups of claims you have mentioned follow:

*Include*  
96

(1) Great Northern Development Company, Copper Mountain, Clear Creek, Kuskulana. This company still owns 33 patented mining claims comprising 1,165 acres covered by Mineral Survey No. 918 and Patent No. 541521. Their present mailing address is in care of Jones, Walker and Waschter, National Bank of Commerce Building, New Orleans 12, Louisiana. This company has had contact with the Tax Office here in Juneau as late as 1954.

*87*  
*McCarthy*

(2) Alaska Consolidated Copper Company. Bulletin 947-G indicates that these properties were operated at the latest date by Mount Wrangell Copper Company on which we can find no records here in Juneau. Alaska Consolidated Copper Company was stricken from the records of the Territorial Auditor for nonpayment of corporation tax in 1922. We do not know how you will be able to contact present owners on these two groups as there is no record in the Tax Office of anyone claiming ownership.

The Rarus group is generally known as the Copper Queen. We can find no Mineral Survey listed on B.L.M. Atlas sheets which correspond with the location of the Copper Queen as indicated in the U.S.G.S. reports. Therefore, we cannot confirm the status of these claims as regard to patent or actual ownership. The Nugget Creek property is covered by Mineral Survey No. 893 on B.L.M. Atlas sheet No. 1136.

February 8, 1936

86  
Jasper

(3) Hubbard Elliott Copper Company, Elliott Creek. Apparently the ownership of this large group of claims is divided between two people. Mrs. Bertha M. Hubbard, 5351 Ogden Street, San Diego 5, California, is still living and claims ownership of eight patented claims. Apparently the larger portion of the group of claims is under the control of Carl F. Gould, 2339 41st Street North, Seattle, Washington. Apparently Mrs. Hubbard is in contact with Mr. Gould, who has inherited his holdings through the estate of John Fay.

Orange Hill claims, Nikonda Creek, Nabesna River drainage. These claims are covered by Mineral Survey No. 1414, B.L.M. Atlas sheet No. 1053. You are apparently not aware that Bear Creek Mining Company did some work on this property two years ago and then abandoned the area. Available records of drilling conducted in the 30's do not look very promising, and we wonder if you are aware of the available data on this prospect.

Wiley Prospect, Ptarmigan Creek. These claims are covered by Mineral Survey No. 921, B.L.M. Atlas sheet No. 1058. We can find no record of either the Acme Mine Company or the Simms Company ever having registered with the Territorial Auditor.

87  
McCann

(4) Skolai Mining Company. This company has never filed incorporation papers with the Territorial Auditor nor have they declared ownership of any claims with the Tax Department. The group of claims on the west side of the White River near the toe of Russel Glacier are on Wiley Creek, and are covered by Mineral Survey No. 1014, B.L.M. Atlas sheet No. 1059. Another group of claims to the north of Wiley Creek on the middle fork of the White River are covered by Mineral Surveys Nos. 920 and 1015, same Atlas sheet.

The card file belonging to the Bureau of Land Management and listing the patentees of all of these groups has been moved to Anchorage. It will be necessary for us to contact Martin Jasper there and have him attempt to obtain the name and address of the patentee in all cases, except No. 1. We will ask Martin to forward any information he is able to obtain directly to you.

Along the general line of your investigation, we would suggest you obtain a copy of U.S.G.S. Bulletin 947-D. The information given in this bulletin should be of general interest in connection with your proposed airborne surveys.

Kindest personal regards.

Sincerely yours,

Phil R. Holdsworth  
Commissioner of Mines

PRH:cm  
enc.

cc - Martin W. Jasper

3rd Rev

Martin W. Jasper

Juneau

Phil R. Holdsworth

2/8/56

OWNERSHIP OF COPPER PROSPECTS - KOTSINA-KUSKULANA DISTRICT

Attached is copy of a letter to Blair Stewart advising him as to our findings on several groups of claims in the subject district.

The ELM card file covering patents on mining claims issued in Alaska has now been moved to Anchorage. From now on, it will be necessary for us to trouble you at that end to search those files to obtain information from time to time. Actually, the Land Office itself will have a record of the patents issued, which will probably be more complete and up to date than is the card index formerly located here in their Juneau office.

In most cases, you will find that the patentee is a foreign or defunct corporation which can no longer be contacted, the actual ownership probably having passed along to various heirs. However, any information you can obtain on those groups listed in the letter to Blair Stewart will be appreciated. Would suggest you forward any information directly to the Los Angeles office with a copy to us.

PRH'cm

*2ed*

1206 PACIFIC MUTUAL BUILDING  
523 WEST SIXTH STREET  
LOS ANGELES 14, CALIFORNIA  
TELEPHONE MADISON 6-3231

February 3, 1956

Mr. Phil R. Holdsworth  
Commissioner of Mines  
Territory of Alaska  
Juneau, Alaska

*USGS Bull 947-G  
1413*

Dear Phil:

First of all, thank you for referring Sainsbury to us relative to a position. I have written to him in further regards to his plans and to inquire if he would be willing to accept what looks now to be a temporary summer assignment. I remember Sainsbury quite well as I talked to him on several occasions in Juneau in the U.S.G.S. office.

As you know, our Wallace office has been making a study this winter of much of the literature on the mineral deposits of Alaska. One particular area which I think we all agreed merited further exploration is that of the Copper River drainage, including the White River area. This study has lead us to feel that several old properties (worked in the past) merit a closer "look-see" on the ground. The data we have, of course, is strictly geologic and nothing else. We do not know who owns the properties at this time or who the principals of companies which may retain ownership are. I believe you told me that you had considerable such information in your files and I would, therefore, appreciate your having someone in your office run these down for us. The properties we are interested in are as follows:

*33 claims  
1165.108 area*

*M-918  
Pat #541521*

*Sheet 1154  
M-873*

- Sheet #2*  
1. Great Northern Development Company,  
Copper Mountain, Clear Creek, Kuskalana.
- Sheet #2*  
2. Alaska Consolidated Copper Company - they have two properties, I understand, the Nugget Creek property - Valdez claim, and the Rarus Group, which is situated on the south-side of the Kuskalana River.
3. Hubbard Elliott Copper Company, which has a property on Elliott Creek of some 50 claims. The Orange Hill group of claims  
*Sheet 1053  
M 1414*

*Mt. Wrangell Copper Co. (?)*  
**DEPARTMENT OF MINES**  
**RECEIVED**  
**FEB 6 1956**  
**JUNEAU, ALASKA**

Mr. Phil R. Holdsworth  
Feb. 3, 1956  
Page 2

Atlas Sheet 1058  
M 921

on Nikonda Creek in the Nabesna River drainage, and the Wiley prospect near the mouth of Ptarmigan Creek where it joins Beaver Creek. I believe some work was done on this property by the Acme Mine Company "Simms Company" during the late 30's.

Atlas Sheet 1059  
Wiley Creek M 1014  
Middle Fork - M 1015  
920

4. There are also several groups of claims, whose names and ownership we are unable to determine, on the west side of the White River near the toe of Russell Glacier. Near this group are seven claims which have been surveyed for patent and are believed to be under the ownership of the Skolai Mining Company.

We will surely appreciate your giving us whatever information you can on these.

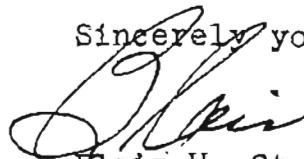
Our plans this summer contemplate further work in Alaska, and particularly we want to determine more about the Tenakee Inlet and Tracy Arm showings. It is quite likely that we will conduct an aerial magnetometric survey of these to further determine the areal extent of the favorable host rocks and structure. I have been talking with Aero Service Corporation of Philadelphia and also got a letter from Donald J. Belcher & Associates, Inc., which I believe they wrote to me at your suggestion. While I do not yet have all the data at hand it appears that Aero Service may be the best for us as they expect to do some other work in the vicinity and our "in" and "out" charges would consequently be shared and therefore be less than normally charged. Further, they have done a lot of this work in the past several years in southeastern Alaska.

Let me know if anything new has come to your attention that you think would be of interest to us.

Kindest regards to all in the office there and to Peggy. I hope that I will see you all in the not too distant future.

Best regards,

Sincerely yours,



Blair W. Stewart  
CYPRUS MINES CORPORATION



① Jones, Walker & Waechter  
N.B. of Conn Bldg.  
New Orleans, La.

RECORDED & INDEXED  
MAY 19 1912

193  
3rd Div

November 17, 1955

Mr. Ralph Browne  
Alaska Research Associates  
P. O. Box 846  
Anchorage, Alaska

Dear Ralph:

We have your letter of November 8, asking for mining information on several recording districts. Phil turned it over to me for answering. I will take up each recording district in the order in which you mentioned it in your letter.

**Kodiak** - There is no active mining in this district at present. Prospecting is being done by at least one group of four or five men quite steadily. Other individuals are reportedly prospecting. There have been reports of planned exploration on a copper deposit and a tungsten deposit by a large mining company on Kodiak Island but no confirmation of these reports have been received from the company by this Department.

**Krichak** - There is no mining activity or developments in this district that we are aware of.

**Timna** - One small placer operation only. There are at least three promising copper deposits in this district which are being looked into in varying degrees by various companies. Four prospectors are reported active.

**Bristol Bay** - No mining here but a very promising mercury deposit near Aleknegik is being developed under DMEA financing by Moseta-Parcupine, Ltd. of Canada. They hope to be in production in the near future.

**Bethel** - The Goodnews Bay Mining Company and the New York-Alaska Company comprise two large dredging operations in this district. Two small placer operations are also active. A platinum placer drilling project has been under way for two or three seasons. Two prospectors have also been active in this area. A total of about 160 men are employed in this district, seasonally, of course.

**Kuskokwim** - The DeCoursey-Brewis Company is currently employing about 50 men at their Red Devil mercury property which is being rehabilitated and will be put in production early next year. With their fringe activities, such as purchasing timber from the Natives up and down the river, far more than the 50 men employed directly at the property are benefitted. This Company also plans further exploration at the De Coursey mine. There are two or three small gold placer operations active and three or four mercury prospects being developed in addition to those mentioned above. Probably a total of 75 men are directly employed in this district.

193  
November 17, 1955

Wade-Hampton - Two small placer operations active. Three prospectors. Total of about ten men.

Innoko - This is one of the placer districts that remains fairly active. There are two dredging operations there and ten open cut placer operations. Total of about 55 men employed.

Mt. McKinley - Another active placer camp. There are two dredges and seven non-float operations. A gold quartz development has been under way on a small scale for several seasons. Total employed, about 50 men.

Rulato - Five small placer operations, employing about 15 men in this district.

Hot Springs - Six small placer operations, employing about 18 men.

As for a general statement on the potential developments in the Lower Yukon and Kuskokwim Basins, we can say we definitely expect further developments and more than one producing mine eventually in the mercury belt along the Kuskokwim River. This is an extensive and well mineralized belt and merits systematic large scale prospecting and exploration work. With the present price of mercury and the minimum price guaranteed by the Government, it is hard to understand why developments in this district have not moved ahead faster. In addition to that particular area, you no doubt know that the Delta of the Kuskokwim and Yukon areas is considered a favorable structure for oil by some authorities.

I think this about covers the situation. Best regards.

Sincerely,

James A. Williams  
Territorial Mining Engineer

JAW'dls

TDM REPORTS

193 - 2000

November 15, 1955

Mr. Ivan Bloch  
Industrial Consultant  
611 Park Building  
Portland 5, Oregon

Dear Ivan:

Phil turned your letter of November 7 over to me to answer. We have gone through our files and have come up with a bibliography of reports and publications covering the area you are interested in.

To save typing the numerous USGS publications covering the area, we are sending you a published list of all USGS reports on Alaska and a USGS commodity map which accompanies it. More of these may be obtained from the GS if you wish. We have checked with red pencil the publications in the list which we think you will be interested in for your easy reference. Also enclosed is a list of USNM reports of investigations on properties within the area concerned, and another list of reports in our TDM files. The TDM reports are not ordinarily available for distribution but we can make copies for you of reports that you may consider particularly interesting or valuable for the purpose you wish. Most of these TDM reports we list here are available also at our Anchorage office for consultation and study. In compiling the list of TDM reports, we have left out all reference to gold properties since they are of so little importance now or in the near future.

We hope that this is what you want and will serve your purpose. If we can help further, please advise.

Sincerely,

James A. Williams  
Territorial Mining Engineer

JAW:dls  
Encls.

TDM REPORTS

- FE-85-11 Chromite Prospects on Pioneer Creek, 1942
- FE-85-16 Sheep Mountain Copper Deposit, 1953
- FE-85-17 Moose Creek Copper, 1953
- FE-85-18 J. Fabian and D. Moore Clay Deposit, Little Susitna River, 1953
- FE-103-1 McNeil Copper Group, Paint River, 1953
- FE-104-1 Chromite Deposits - Claim Point (Magnetic Survey), 1942
- FE-104-2 Lyons Mining Account, Chromite Deposit, Barbary Cr., 1953
- FE-104-3 Red Mountain Chromite Deposits (Magnetic Explor.), Kenai Pen., 1953
- FE-104-4 Sunrise Mine (Alaska Explor. & Dev. Corp.), Muka Bay, 1953
- FE-131-6 Peninsula Exploration Co., Sitkalidak Island, 1951
- FE-131-7 Kodiak Exploration Co. (Scheelite Prospect), Anton Larson Bay, 1954
- 
- MI-103-1 Pumice Deposits, Augustine Island, 1947
- MI-104-1 Homer Coal Field, Cook Inlet, 1945
- MI-126-1 Pumice Deposits, Katmai Nat'l. Monument, 1947
- 
- MR-85-1 Moose Creek Copper Claim, 1919
- MR-85-3 Chromite Deposits of Pioneer Creek, Knik Area, 1942
- MR-85-7 Potter Limestone, 1946
- MR-85-8 Future Mining Possibilities in Anchorage and Railbelt Areas, 1952
- MR-104-1 Red Mountain Chromite Occurrences, Kenai Peninsula, 1941
- MR-200-32 Possible Future Operations as Potential Consumers of Susitna River, 1952
- MR-200-34 Utilization of Alaskan Coals - Low Temperature Carbonization, 1954

USHM REPORTS OF INVESTIGATIONS

- 3784 Moose Creek District of Matanuska Coal Fields
- 3885 Exploration of Red Mountain Chromite Deposits
- 4356 Investigation of Knik Valley Chromite Deposits
- 4520 Investigation of Coal Deposits in South Central Alaska and the Kenai Peninsula
- 4828 Investigation of the Kama Creek Copper Prospect, Lake Kontrashibuna, Lake Clark Region
- 4838 Bituminous Coal Deposits in the Vicinity of Raika, Matanuska Valley Coal Field
- 4890 Investigation of the Millett Copper Deposit, Tliamna Lake
- 4932 Preliminary Report: Nonmetallic Deposits Accessible to the Alaska Railroad as Possible Sources of Raw Materials for the Construction Industry.

Herb Hilscher

Phone 58012

Ralph Browne

Phone 53162

198

B. S. 100

ALASKA RESEARCH ASSOCIATES

P. O. Box 846, Anchorage, Alaska

November 8, 1955

DEPT OF MINES

RECEIVED

NOV 14 1955

JUNEAU, ALASKA

Mr. Phil R. Holdsworth  
Commissioner  
Territorial Department of Mines  
Juneau, Alaska

Dear Phil:

We have been retained to prepare an economic exhibit for submission to Civil Aeronautics Board for use in the Intra-Alaska Air Services Case. The region with which we are most concerned is that situated north and west of Cook Inlet.

I note in your last biennial report that you covered mining activities by recording districts. If it is at all possible, I would appreciate receiving a brief summation of mining activities, including exploration and development, in the following recording districts: Kodiak, Kvichak, Iliamna, Bristol Bay, Bethel, Kuskokwim, Wade Hampton, Innoko, Mt. McKinley, Nulato and Hot Springs. Any estimate you may be able to give as to the number of persons employed in the mining industry in those districts also would be helpful.

I also would appreciate any brief, general statement you might be able to make regarding potential development of mineral resources in the Kuskokwim and Lower Yukon river basins.

With warm, personal regards, I am

Sincerely yours,

*Ralph*

Ralph Browne

IVAN BLOCH  
INDUSTRIAL CONSULTANT

193-3200

IVAN BLOCH AND ASSOCIATES

811 PARK BUILDING, PORTLAND 3, OREGON

PHONE [REDACTED]  
CAPITOL 2-3300

November 7, 1955

Mr. Phil Holdsworth  
Commissioner  
Territorial Department of Mines  
Juneau, Alaska

Dear Phil:

This will confirm our pleasant discussions in Fairbanks during the past few days.

As you know, we have been retained by the Chugach Electric Association, Inc., The City of Anchorage, and the Anchorage Chamber of Commerce on a joint project of investigations of industrial development of the Greater Anchorage and Kenai Peninsula areas.

It would be of tremendous assistance if we could obtain from your office a bibliography of publications as well as reports and memoranda dealing with the geology and mineral resources of the Kenai Peninsula: the immediate area on Cook Inlet to the north of the Peninsula; the base of the Aleutian Peninsula; Kodiak, the Matanuska Valley extending as far as the divide to the Copper River drainage; and of the Susitna basin as far as Willow. If desirable, I can define the area more precisely. Information on the Kenai Peninsula area is desired as rapidly as possible.

Kindly advise as to when we might expect the information on the above items, or what we might do to facilitate your assembling the data.

With many thanks in advance,

Sincerely yours,

*Ivan*  
Ivan Bloch

P.S. I am sending Governor Heintzleman a copy of this letter for his information.

RECEIVED  
NOV 10 1955



August 9, 1955

Mr. Arthur F. Daily,  
488 Fairbanks Avenue,  
Oakland, California.

519  
NOTED  
AUG 24 1955

PHIL W. BENTLEY  
Commissioner of Mines

Dear Art:

RE: Iliamna Region  
REF: Yours of Aug. 3rd

It was a real pleasure to receive your letter the following day which was read with a great deal of interest. I had assumed that you were spending a great deal more time on the Brazilian venture than expected, and regret the circumstances which made that necessary. You certainly had a major problem to re-float the dredge and overcome the numerous difficulties and operational problems encountered there, and it is hoped that the company will now be able to realize a reasonable percentage of dredge operating time.

The "micron" sizes of appreciable amount of the gold at the Dragage property is interesting, and certainly will be a problem to solve.

The younger generation has a habit of growing rapidly, and the period is all too short as they come along so fast that the first thing we know we are dated as "oldsters". I have no doubt you and Mrs. Daily are impatiently waiting the arrival of the first grandchild.

Our young 48-lb. boy will be 5 next month - and that period also has slipped by too rapidly.

Mr. Ffolliott's letter, of July 28th date, was received the same date as yours - which was day I returned from field trip. On seeing the Miami Copper Co. letterhead I was curious as to what might be the nature of their inquiry; that was explained on reading your letter first. It is always surprising to see the various channels through which information concerning a mining property travels.

Mr. Ffolliott advised that J. L. McCullah, Grand Junction, Colo., had left a copy of the report I wrote 2 years ago on the old McNeil copper property on Paint River, Iliamna district. Mr. McCullah came into our office with E. E. Sargent, one of 3 present owners of the property, and a son-in-law of McNeil who discovered the property in the late 'teens or early '20s, sometime in June.

He asked for some additional information which I will send on to him. It will be a matter of interest to you and to Mr. Ffolliott to know

A. F. Daily  
re Iliamna Region Cu

that the Northwestern Mining Department of the A. S. & R. are planning an investigation of the McNeil property around August 15th to 20th; I believe they made or took an option on it in April or June when Gavin Dirom (AS&Rs Vancouver, B. C., resident engineer) was here. In any event, there was an understanding that Dirom would check the property this month unless his field schedule proved too "tight" to make the trip.

Mr. Sargent advised me the past winter or this spring that during their prospecting in that general area last year they located two other copper occurrences which he believed may prove of interest. These are located some miles from the McNeil prospect. They are supposed to do some striping or trenching on these new showings this season in effort to determine widths and get some idea of possible lateral extent.

The Paint River area appealed to me as being one of special interest for a large company of companies to look into.

Iliamna Bay area

A local group known as the Grubstakers Inc. have several prospecting parties in the field. This outfit is composed of 120-130 Federal employees (CAA, Postal, Weather Bureau, etc) who have been kicking-in \$10.00/month into a pot since last December.

One of the prospectors they sent out went down to Iliamna Bay area to look into a copper occurrence he had noted in the '20s. Some of the samples sent in show encouraging copper values. They speak of mineralized widths up to 20 feet and more, but they are not yet certain as to actual strike and dip. They have requested an examination by our office (Dept.) and I am leaving for there tomorrow for possibly a week.

The showings are located a short distance off the road that connects Iliamna Bay (Cook Inlet side) to Pile Bay at east end. The claims are about 1/2 mile from tidewater.

One of the officers of the company was in yesterday and asked us to contact a responsible company(or companies), who might be interested in examining the area. In view of your projected trip up here for purpose of looking over copper & other properties, I would suggest you contact -

J. Leo Conners  
1032 "H" Street. Phone 46335  
or @ office phone 26001 Ext. 213

or contact

G. O. Kempton  
1020 "H" Street. Phone 46331  
or @ office phone 26001 Ext. 213

That is office phone of the CAA with whom both are employed. They are good men and we are hopeful they may have something of interest to show.

A. F. Daily  
Re Iliamna Bay Region, etc

There is another fellow whom I believe it would be well worth your while to look up. His name is -

George Fennimore  
Box 1444, Anchorage

George lives in the Mt. View section of town on Price Street. Don't recall his house address, and it might be a bit of trouble to find. Believe it is midway of the 2nd (or 3rd) block on Price Street north from the Palmer Hiway, on right side of the street. Price Street intersects the Hiway, so going out of town you would turn to the left when you reach it.

We consider Fennimore to be a very competent prospector, and one who ~~who~~ has a great fund of information on mineral occurrences in various regions of the Territory. He is quite a friend of George Gates, who is USGS geologist in charge of all that Dept's Alaska activities.

You may recall my writing you couple years ago while you were out at Guam concerning the various minerals occurring in certain areas of the terraced beach deposits in Yagataga district. At that time I was casting around for support to do some exploration in there for ilmenite plus the placer gold, and plus several other possible minerals of economic value. Needless to say nothing came of my efforts so took on the present job.

Two years ago Fennimore and couple associates were smelling around for radioactive stuff, went down to that area, found it in appreciable amounts, did some test work and turned it over to Anaconda. Later did little test-pitting, spent a year researching in the lab (so they said), and eventually dropped it last late winter. Harry Townsend (who died two months ago) was the Anaconda geologist who liked it and got the Co. to option it. Apparently Harry was disappointed at their lack of interest and on their dropping it, he called it to Chuck Herberts attention. Chuck took it on and is presumably drilling down there now. I would suggest you develop any information George F. has and keep it in mind; it could possibly prove of interest to you - especially if Chuck cant "hack it".

I am looking forward to seeing you again on your planned trip in near future. I mentioned you so often to my wife that she is also looking forward to meeting you. Should I be out of town when you arrive give her a call at Phone No. 65575 - we finally got a phone after 8 or 9 months wait.

With kind personal regards to Mrs. Daily, yourself and family,

Sincerely yours,

*Martin Jasper*  
Martin Jasper  
Associate Mining Engineer

✓  
cc: PR4

To - PR it

From - MW J

end line

6/9/55

Bill Bittner and a Capt. Riddell was in this AM. Wanted to "borrow" some of our  $U_3O_8$  specimen to take out in field, but turned his request. States he has found a "hot" area and wants to check the stuff in the field, so they "could trace the trend of mineralization" to guide them in their staking of claims. Advised him the best deal was to take sample, remove them from the area and check for radioactivity; better yet, to bring the samples in here for analysis. Dont think he was very happy re loan of specimen. Gave no idea of where his "find" was located.

MJ

M J

JUN 10 1955  
PHIL W. HOSKINSON  
Commissioner of Mines

DEPARTMENT OF MINES

RECEIVED

JUN 10 1955

JUNEAU, ALASKA

AMERICAN SMELTING AND REFINING COMPANY  
NORTHWESTERN MINING DEPARTMENT

J. E. BERG, GENERAL MANAGER  
A. O. HALL, CHIEF GEOLOGIST

322 D:1

G. A. DIROM, RESIDENT ENGINEER

425 BIRKS BUILDING - 718 GRANVILLE ST.  
VANCOUVER 2, B. C.

May 31, 1955.

Mr. James A. Williams,  
Associate Mining Engineer,  
Department of Mines,  
Box 1391,  
Juneau, Alaska.

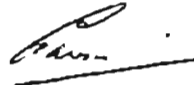
Dear Jim:

Prince William Sound District, Alaska

Thank you for your letter of 24th instant and especially the complete list of U.S.G.S. and U.S.B.M. references to this area. This list will be of great help to us and your efforts in this regard are greatly appreciated.

I am very doubtful that we will be able to spend much time in this area this season but am hopeful that we can make a trip or so at least and probably get the office phase well advanced so that we can plan in advance for next season.

Yours sincerely,



G. A. Dirom

GAD/mg

DEPARTMENT OF MINES  
RECEIVED  
JUN 2 1955  
JUNEAU, ALASKA

Eng D.V

May 24, 1955

Mr. Gavin A. Dixon  
American Smelting & Refining Company  
425 Birks Building  
718 Granville Street  
Vancouver 2, B. C.

Dear Gavin:

Enclosed, finally, is the list of USGS references to copper deposits in Prince William Sound that you requested April 15. Phil has been up north for the last month, and I have been kept pretty busy with visitors and correspondence, so that I have not gotten this out for you as rapidly as I had hoped. Hope it hasn't held you up.

As stated at the top of the list, it is really complete, but you will find that many of the bulletins showing just a page or two merely give statistical production figures and information which you may or may not be interested in. This is true of the USEM Bulletins listed also.

Then, of course, we have reports in our files on some of the individual properties by past TDM and private engineers, but not nearly as many as we should have in proportion to the importance (potential) of the region. When and if you want further information on any individual properties, shoot us a line and we'll do our best to come up with it.

Am looking forward to seeing you again.

Sincerely,

James A. Williams  
Associate Mining Engineer

JAW: jc  
encl.

COMPLETE LIST OF U.S. GEOLOGICAL SURVEY REFERENCES TO  
PRINCE WILLIAM SOUND COPPER DEPOSITS

<u>USGS Bulletins</u>	<u>Pages</u>	<u>USGS BULLETINS</u>	<u>Pages</u>
284	82-87	692-A	18, 31
314-A	27	692-C	144-149, 157, 165, 171-172
345-C	178	712-A	32, 33, 35
379-C	87-96, 103-106, Plate V	714-A	12-14, 21-24, 69-70, 77
442-A	32, 39	722-A	19-21, 39-40
442-D	164-165, 170	739-A	10, 23, 24
443	52-70, 78	755-A	15, 28, 29
480-B	31-32	755-C	119
480-C	81	773-A	28, 38
520-A	27-28	783-A	20-21
542-A	34, 36	792-A	27-28
542-D	97-124	797-A	32, 35
587	233-236, Plate III	810-A	45-46
592-A	62	813-A	53-55
592-B	240-243	824-A	22, 59, 60
605	13-14, 51-72, 87-122, Plate I	836-A	21, 22, 61
622-A	44-45	844-A	60-61
622-B	131-134, 151-153, 156-157, 187-188	857-A	57
642-D	138-141, 144-145	947-E	85-92
662-A	44	963-B	51-77, Plate VI
662-C	125, 129, 184-187, 201-206, 209-220		

U.S. BUREAU OF MINES BULLETINS

<u>USM BULLETIN</u>	<u>Pages</u>
142	38-43, 52
153	43-50
405	25-26, 205-206, 219-220, 269

USM Information Circular No. 7379, page 33

320 D.V.

AMERICAN SMELTING AND REFINING COMPANY  
NORTHWESTERN MINING DEPARTMENT

J. E. BERG, GENERAL MANAGER  
M. W. COX, DIVISION GEOLOGIST

G. A. Dirom  
RESIDENT ENGINEER

425 BIRKS BUILDING - 718 GRANVILLE ST.  
VANCOUVER 2, B. C.

April 15, 1955.

AIR MAIL

Mr. Phil R. Holdsworth,  
Commissioner of Mines,  
Department of Mines,  
Box 1391,  
Juneau, Alaska.

Dear Phil: Kenai Peninsula & Copper River Regions

I have given further thought to the copper deposits on Prince William Sound and have glanced through U.S.G.S. Bulletin 989-E to get some idea of the scope of an office research project on this district. I have also checked our Vancouver office files and our index of our New York office files.

Inasmuch as we are getting into the active field season and both Cece Coveney and I will be spending more time in the field than in the office, I am wondering if your office could help us out re Prince William Sound by sending us the information on your Index Cards on copper occurrences in this area. Miss Greenaway could then compile the U.S.G.S. data for us and this information would provide us with a complete background to which we could add our own data. Most of the latter will have to be requested from our New York office and we would like to be more or less selective in our requests.


There is no urgency in this matter as far as we are concerned since we are involved in numerous other programs and examinations. However, since I am lined up to make examinations to Kodiak Island around June 1st and Iliamna Lake around August 1st, I could stop off in Prince William Sound if anything seemed to warrant it. On both trips I am planning to make a brief stop-over at Juneau and could then add any information you made available to me from your TDM files.

Sincerely yours,

DEPARTMENT OF MINES

RECEIVED

APR 18 1955

  
G. A. Dirom

GAD/mg

JUNEAU, ALASKA



F. L. Garrett  
Re Various

April 15, 1955

519  
April 15, 1955

DEPARTMENT OF MINES

RECEIVED

APR 18 1955

JUNEAU, ALASKA

Mr. S. K. Garrett, Geologist,  
Coronado Copper & Zinc Company,  
209 Tabor Building,  
Wallace, Idaho.

Dear Tub:

Your letter of March 10th was received a few days later and read with a good deal of interest. I regretted receiving your wire - as well as one from Blair - advising you would not be able to attend our AIME Banquet.

Through Phil Holdsworth we were fortunate in getting Elsie E. White, Gen. Mgr., United Keno Hill Mines Ltd., Mayo, Y. T., for the speaker, and the event was held March 31st. Mr. Whites address made the program by far the most interesting they have had here. There were 300 present. It was a relief to get that affair off the calendar. (That was a job you and Blair could not charge I passed on to Olga).

The maps and reports you forwarded were received in good shape. I trust that you and Blair will be able to take a look at the Woswodaki Island area this coming season. Phil has indicated that it can be arranged for me to accompany you if desired.

Spirit Mt. Nickel

I understand that Halverson & Associates turned their ground over to Frank O'Neill, who has formed a company in Seattle to undertake exploration of the area. Neil Finnison would have preferred ~~for~~ your company to tackle the job. O'Neill has (or is going to) applied for a DMEA loan. Dont know what progress he is making.

Mt. Nelson Pb-Zn Prospect

66  
Someone (have forgotten who) recently advised me that Horning had turned down your offer, and that he had been in Anchorage several weeks ago trying to raise some money. I regret that if it is true.

Radovan Cu Prospect, Chitina River Region

Martin Radovan has optioned his property in the McCarthy district to a Kennicott subsidiary (Bear Creek Mining Co., Spokane). It is reported they have agreed to spend \$200,000 in exploration on the property.

McLaren River Copper

Last winters report that Al Ghazzi had walked away from that show is incorrect, as he plans to resume work there soon a weather conditions permit. I still think that it might be worthwhile to look into that venture as I doubt that Al can swing it alone.

S. K. Garrett  
Re Various

April 15, 1955

Kodiak Island & Eliamna Regions

The tungsten and copper shows mentioned to you last winter are scheduled to be given the once over this season. The owners have contacted one of the major companies. Both are interesting areas would liked to have seen you examine.

Cinnabar

Should you be interested in quicksilver this season there is one area in the Kuskokwim region that I believe is worth investigating. A new discovery this winter in a much more accessible area might be available - the locators have not made up their mind about it to date.

Little Susitna Copper

I may have mentioned before that the A. S. & R have decided they were not interested in this occurrence. Dont know whether the locators have any plans in mind for it or not.

Uranium

Publicity is apt to develop a real "rash" of discoveries this year although there has been nothing brought to our attention to date that seems to have any earmarks.

Cascade Copper Shows

Trust that you will shortly get in touch with Knudson and find one of those occurrences of interest.

It looks as though we will be busier this year than last which is the way we like it.

Looking forward to seeing you and Blair in this region again this season, Olga joins in sending best wishes and regards.

Sincerely yours,

  
Martin Japper  
Associate Mining Engineer

P.S. It is encouraging to hear that a responsible company such as yours is interested in gold properties. Hope the Montana project measures up to the required objective. Lets hear from you.

M J

519  
2613 East H Street  
Anchorage, Alaska  
February 25, 1955

DEPARTMENT OF MINES

RECEIVED

MAR 1 1955

Mr. S. K. Garrett, Geologist,  
Coronado Copper & Zinc Company, JUNEAU, ALASKA  
209 Tabor Building,  
Wallace, Idaho.

Dear Tub:

I was pleased to receive yours of February 11th last week and will knock off a few notes on the several items you asked about.

I was pleased to hear that you had written Brade Knudson, and have in mind getting together with him to discuss various areas on the Cascades west slopes.

RE Woswinski Island

The possibility of your checking over that area is interesting and no doubt Phil would arrange for accompanying you. A visit north by you and Blair in early spring would be especially timely if it could be arranged for late March or first of April, as local ADME section are putting on their Annual Banquet in that period (date not yet set) which would like to have both of you attend - sure about the ADME deal later.

Alaska Copper Prospects

The shows have been in correspondence with another company on this, although there has not as yet been any definite understanding between them except that it is planned to take a look at it. That is an area worth looking into.

Kuskokwim River Region HgS Properties

The two I looked at last summer were the Willis property, 4 miles down the river below the Red Devil Mine (DeCoursey Mt. Min. Co.). The Brewis & White interests of Toronto have taken over the latter company's, and hold an option recently taken on the Willis prospect. (These are both a few miles below Sleights).

The other was the old Kolmakof prospect, 20 miles upstream and on a bluff along side the Kuskokwim river. The showings there are presently of no particular interest except possibly for a couple good miners.

Other HgS Properties

The showings on Marsh Mt., approximately 20-25 miles northeasterly from Dillingham as said to be of exceptional interest. Have not been down there to examine it. The property is owned by Waskey, Wrenn, and a third partner whose name don't recall at the moment. Their partnership is known as Red Top Mining Co., Dillingham. The Cordero company (Sun Oil & another) made offer for it, but would not agree to a persistent development program so no deal was made. Believe this would be well worth while digging into.

S. K. Garrett  
Re Various

February 25, 1955

Another is an area at head of the KKK river, which drains into the Knakokwia river near Bethel, not far from Bristol Bay. It presently is accessible only by plane or on the hoof, but reputedly has good terrain to traverse. I met a fellow who was in the area prospecting for gold quartz and placer when I was at the Kolmakof prospect. He reported that he found a number of high grade outcrops and large "float" along a mile or more belt. Cinnabar there is associated with realgar (at Red Devil & Willis properties it is associated with stibnite). The prospector states he is not particularly interested in HgS, but on questioning him he said he would be willing to show a competent company the area for a small consideration. No ground has been staked in this area for many years.

A third prospect which is on Cook Inlet and the easiest of all to get at is a recent (this year) discovery. The locator reported he had found a 14 ft width with good mineralization across it. He has requested I make an examination of it with objective of going after a DMEA loan. So far as I now know I will probably take a look-see around first of April.

Chromite

The only operator in that area (shipped 3000 tons this fall, and anticipates shipping 6000 to 10000 tons this year) is looking for help from a good company. The property is on Seldo Red Mt. some 12-15 miles NE of Seldovia. They are an excellent private company. There is another outfit - strikingly a shoe-string one - who have very interesting prospects. My thought with regard to that area is that there is a good chance of consolidating all the chromite properties in that region. I consider it something that would be worth your while looking into - if chromite has any attraction.

Mt. Elison Pb-Zn

& I

Bob Saunders did not get into that area last fall, but believe he is tentatively planning on our doing so this coming season. I have not heard whether your company completed a deal for the property thru Richardson or not.

Spirit Mt. Mica

Understand that Andrew Halvorson has let an old friend, Jack O'Neill, take a crack at it. Jack thinks, apparently he can promote it, but am personally doubtful. Have not heard from either Halvorson or Finnissand.

Uranium

A Richard Alvord recorded 48 claims Monday of this week. Location is on rail belt between here and Seward - 10 miles or so Sw of Portage. Have no information on what he thinks he has found.

The above are the principal things of possible interest that I have in mind at the moment.

S. K. Garrett  
RE Various

519  
February 25, 1955

Referring to my AIME Annual Banquet reference:-

The local Section were not satisfied with my efforts so over my objections they shanghaied me into the job of Chairman - an extra-curricular job that is taking time away from report writing again this winter.

Locating a principal speaker is the problem. I have just finished writing an invitation to Blair Stewart to do us that honor. If Blair is not available would you be kind enough (and have the compassion) to accept the invitation to be our bright shining star of the evening with a 30 minute informal address? They have had 225 attending at each of the last two affairs composed of a good cross-section of mining operators and those interested and looking forward to development of the mineral resources of the Territory. I want to make this the best one yet (always try to go one better than the Jones!).

Tentative dates, subject to convenience of the speaker, are March 25th or 26th, and April 1st or 2nd; April 8th or 9th could also be arranged.

I have to search for a speaker whose professional, personal, and/or employers interests would justify a trip here at the chosen date and at their own expense (not much to ask for, is it??).

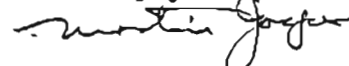
Desirable and timely subject would deal with uranium and/or base metal exploration, etc.

Let me know by wire on receipt of this whether you would accept the invitation if Blair is not available, and I will set down and compose a formal invitation to you. I am on the "hot-spot" and most sincerely hope you can take me off by making yourself available.

I expect a number of outside geologists and engineers to attend.

With kind personal regards from Olga, Pat, and myself,

Sincerely yours,



Martin Jasper

cc:Blair Stewart

: PRH

February 11, 1955

DEPARTMENT OF MINES  
RECEIVED  
FEB 12 1955  
WASHTON, ALASKA

Mr. A. O. Hall, Exploration Division,  
American Smelting & Refining Company,  
Wallace, Idaho.

Dear Art:

I was glad to receive your letter of January 18th. Your transfer to the Wallace office with added duties and larger territory to cover adds up to a promotion in my mind, and I congratulate you.

A letter was received from Mr. Dirom a few days after yours and have replied as per enclosed copy this evening.

As noted in reply to him we are pleased to learn that the scheelite discoveries and possibly several other mineral occurrences on Kodiak Island are of interest and that there is the possibility that one or both of <sup>VGN</sup> will investigate area, as well as E. E. Sargent and associates copper prospects in the Iliamna region this year. Your tentative plans will, of course, not be publicized by us.

You will be able to discuss both of above areas with the owners should you and/or Mr. Dirom be here for the AIME Banquet in March. It will be a real pleasure to have both of you attend if possible to do so.

Date of the Banquet is not definitely set as yet.

There is nothing new at the moment to call your attention to, but there is a possibly or two which may develop by next month.

With kind personal regards from Olga and myself,

Sincerely yours,



Martin Jasper  
Associate Mining Engineer

✓CC: PRH

519

DEPARTMENT OF MINES  
RECEIVED  
FEB 14 1955  
BUREAU, ALASKA

February 11, 1955

H. A. Dirom, Resident Manager,  
American Smelting & Refining Co.,  
425 Birks Building,  
718 Granville Street,  
Vancouver 2, B. C.

Dear Mr. Dirom:

REF: Your January 21, 1955 letter

Thanks for your above noted letter.

We are pleased to learn that tungsten occurrences briefly described in my letter of January 11th may result in your or Mr. Hall's examination this year.

These showings are on Kodiak Island rather than Uganik Island; the prospect visited on the latter is a pyrite show with a small copper content.

Ten days ago Geo. H. Cornelius phoned from Kodiak; George is one of the scheelite discoverers and his call was an inquiry regarding whether I had written Mr. Hall concerning the tungsten show as they had requested me to do. He was advised that either you or Mr. Hall were tentatively planning a pre-season visit here in March, in which event you would be interested in meeting and discussing the prospect with a spokesman of their group. Mr. Cornelius stated one of their group would be very glad to do so.

It was also very interesting to note that one of you are also tentatively planning to investigate the copper occurrences in the Paint river area of the Iliamna region. I have not seen Mr. E. E. Sargent since you wrote him - you will also have the opportunity to discuss that property with him next month.

I have not as yet set a date for our AIME Banquet as a speaker has not been definitely assured to date. As a result the date has been tentatively set back to March 11th or 18th. It will be a real pleasure to have you or Art or both of you here to attend if your schedules permit.

As soon as the date is definitely set I will advise you.

Very truly yours,



Martin Jaster  
Associate Mining Engineer

cc:ACH  
✓cc:PRH

519  
DEPARTMENT OF MINES  
January 11, 1955

RECEIVED

JAN 15 1955

UNNEAU, ALASKA

Mr. A. O. Hall, Res. Engineer,  
American Smelting & Refining Co.,  
Northwestern Mining Department,  
108 Birks Building,  
718 Granville Street,  
Vancouver, B. C.

Dear Art:

Was pleased to receive your letter of Nov. 26th although the delay in answering might not indicate that to be the case. I can appreciate how much the season kept you occupied, for this northern stuff does not carry the advantages for field work that goes with warmer climates.

It was interesting to get your views of the Little Susitna-Moose creek copper occurrence. I can see where use of the "whirly-birds" has many things in its favor, and most certainly gives an opportunity to study structural conditions and to stop off almost anywhere for the "close-up" views where desirable. It was disappointing, of course, that conclusions were such as to discourage undertaking an exploration program in that area.

#### Iliamna District

It was also interesting to note your reference to the Iliamna district copper area as being one in which a Granby official mentioned his company having been interested in years ago and thought it deserved further attention. This brings to mind that several weeks ago E. E. Sargent, who lives in Spenard, mentioned (as I recall) that he had been in correspondence with you regarding his and associates copper prospects in the Paint River area <sup>1/2</sup> hour south of Iliamna. Sargent also stated that you might be contacting me regarding the group of claims which we investigated in 1953. This group, known as the old McNeil property (McNeil was Sargents father-in-law), may be the one that the Granby official had reference to, as one of the larger copper operators were interested in it about 30 years ago.

Sargent reported that he and associates had located some other copper showings that old correspondence of McNeils referred to. From the brief glimpse we had of the area (region) from the air, and what we saw on the ground, I believe it would be well worth your while to spend some time down there this coming season.

#### Kodiak Island Region

During a couple of weeks in that region last Oct-Nov looked over an old prospect that Don Petaschi & associates relocated last year. This is located on NE end of Unganik Island, which in turn lies  $\frac{1}{2}$  mile or so off the NE shore of Kodiak Island. The "oldtimer" by late 1905 or '06 had completed 88 feet of an adit level, which was collared 15 feet or so in cliff face above high-tide level and only a few feet from the beach line. Half of that distance (40 feet) was a cross-cut to a shear zone, at least 25 feet in width although its limits were not reached. Intersecting 4 or 5 ft of fairly solid pyrite with little chalcocite, it was drifted upon for 20 feet or so (along HW



A. O. Hall  
Re Various

January 11, 1955

side) and then swung at a diagonal toward FW side of sheared zone. At face of adit 15" of more or less solid <sup>pyrite</sup> is exposed but was not continued far enough to determine ~~its~~ its full width. Three vertical prospect shafts were put down to depths of 15 feet or more and drifting carried on for undetermined distance on the sub-level or levels. Being filled with water was not able to check them.

A number of samples were taken on the adit level, but their copper content was quite low. There apparently had not been any particular effort to trace the sheared zone up the slope of the relatively low, rounded mountain by stripping - at least saw no evidence of it and the recent locators said they had not as yet located open-cuts on that side.

#### Sitkalidak Island

Don Petacchi advised that he had been in communication with you regarding Sitkalidak Island copper claims he and associates have held and done some work upon. Our department has investigated that area - the last time by myself in 1953.

The copper occurrences are within a regional fault zone through Sitkalidak Island (this latter a mile off the SE coast of Kodiak Island) and continues NE to and probably beyond northeast end of Kodiak Island. Primary purpose of my investigation was to check work done in the year since Bob Saunders had reported upon the property, and to assist the owners in making out a DMEA application for underground exploration. As the copper mineralization (chalcopyrite) was dispersed over a couple hundred feet of sedimentaries in a very wide sheared zone associated with the regional fault, with only a few hundred feet of the sediments remaining overlying the diorite, it was my recommendation the DMEA application should be confined to a diamond drilling program. The latter application was made, but the Juneau USGS & USEM field team which pass upon DMEA applications turned it down.

During the past year the prospectors advise me that they have located some promising bornite showings a mile and a half to two miles to the SW of the showings we have examined. They wanted me to make trip down there before returning here in November, but because of the short days and lack of shelter at the bornite occurrence, advised them it would be better to wait until April or May.

I believe the Sitkalidak Island region would be of interest for you to investigate.

Referring again to Unganik Island ~~the~~ prospect I examined last November <sup>it</sup> lies along another very strong regional fault, whose course is along northwest side of Kodiak and Afognak Islands and parallels the fault along southeast side of Kodiak Island.

years have

This group of prospectors for a number of been more or less systematically covering and cataloging numerous mineral occurrences. They spoke of several mineral occurrences, having earmarks of very wide zones, which I have encouraged them checking and sampling this winter. (To me it is an never ending surprise to find that region has a relatively mild climate and short winters). We are giving them every encouragement and assistance possible, and it is believed they will turn up something worthwhile. I plan to return there in April or May to examine several of the areas.

A. O. Hall  
Re Various

519  
January 11, 1955

Tungsten - Kodiak Is.

Principal reason for last Oct-Nov trip to the island was to check tungsten discoveries which some members of the same group have made. They have found fairly abundant "float" along a sedimentary belt for a 3 mile length (a business man of Kodiak reported to me he had found "float" 12 to 15 miles beyond the above noted area), and across 3/4 to 1 mile width. Its source has been traced to a number of intercalated Ls beds in the old metamorphosed sediments of that region.

At time of my visit we traced some float to one Ls bed, checked an outcrop of another, and since my return they have sent me a sample from another Ls bed higher up and on opposite side of the deeply entrenched stream of the "V" shaped valley which I pointed out to them late afternoon of last day on the property. These 3 samples carried 0.28%, 1.4%, and 3.5% (as I recall); their widths were approx 36", 47", and 27", although full widths were not exposed.

Laid out a program for them to follow in tracing out and sampling full widths of the scheelite bearing ls beds (whose widths probably will be within limits of 3 to 10 feet), and promised to return in the spring to thoroughly sample the sections exposed - natural outcrops or by trenching.

They have asked us to assist them in contacting competent mining interests.

I do not know whether your company would be interested in tungsten prospects or not, but from what I could see during the 3 days in the area it appears to be one that warrants a "look-see". Let us know your attitude in this.

I noted your plan (or hope) to make a visit to Anchorage prior to the field season. Would that by chance be early in March?

Reason for asking is that our local AIME section (of which they elected me chairman for this year) are having their Annual Banquet, tentatively set for March 4 or 5, or March 11 or 12. We throw quite a "whing-ding" for benefit of those in the mining industry as well as those friendly to it. Last year had 225 - this year will equal or exceed that number. Phil Holdsworth is making the effort to obtain Sheldon Wimpfin, AEC's Grand Junction, Colorado, regional manager, for our speaker.

Would you be available in case Wimpfin is unable to accept? Let me know soon.

With kind personal regards and best wishes for this still New Year from Olga and myself,

cc:PRH

Sincerely yours,  
*Martin Jasper*  
Martin Jasper  
Associate Mining Engineer

WORTH  
Commissioner of Mines

January 8, 1955

519  
DEPARTMENT OF MINES  
RECEIVED  
JAN 12 1955  
JUNEAU, ALASKA

Mr. Blair Stewart, Vice-Pres.,  
Cyprus Mines Corporation,  
1206 Pacific Mutual Building,  
523 West 6th Street,  
Los Angeles 14, Calif.

Dear Blair:

86  
RE: Spirit Mt. N1

Have been wondering whether you went ahead and made an agreement with Neil Finnissand and Andrew Halverson. This interest was revived by a telephone call day before yesterday asking what my impressions were after taking the quick "look-see" last July. Advised the man calling that I came away with opinion that the area definitely warranted investigation by competent interests, although the conditions surrounding the the Ni-Cu outcrop on the left limits of Canyon creek were not encouraging.

It would appear from the inquiry that Halverson was being approached and discussions had taken place in Seattle on some sort of a deal, and the individual is the old friend that Halverson mentioned to us as wanting to take a crack at the area. He, himself, would have to obtain very strong financial support from others, although he probably would be able to take care of a limited exploration program with his own means.

Passing this on for your own information.

Engokogia Cinnabar Properties

Brewis & White interests of Toronto, whom you may know, have just about completed all details to take over control of the De Coursey Mt. Min. Co. properties in the Sleitzarte area, as well as the old Willis property 4 miles down river from the Red Devil Mine. The reduction plant burned down in late October and was a complete loss; De Coursey company did not have the means to replace as well as enlarge the plant and scope of their operation.

Brewis & White, securities firm of Toronto with a property or two they control and have been operating in Ontario, plan to raise the greater (?) part of new capital required from the John Q. Public - I have been told they are one of fairly responsible outfits. They advised De Coursey stockholders they plan and expect to spend a million dollars to rebuild the plant for much larger tonnage production, and during the rebuilding period carry out a long needed development program. I spent a week on the Willis property examining numerous new (1954) exposures made with a dozer; has earmarks of a possible low-grade deposit. Would like to have seen your company interested in that region.

Blair Stewart  
Cyanide Mining Corp.  
RE Various

Scheelite, Kodiak Is.

I may have written you concerning my investigating a recently discovered scheelite zone last Oct.-Nov. on Kodiak Is., 10 miles from town of Kodiak and only a few miles from coast.

131  
Scheelite occurs in the intercalated limestone beds - from 2 to 10 feet in thickness - of the sedimentary series of that region. "Float" has been found (fairly abundantly) by the prospecting group along this belt (at intervals) for possibly 20 miles. At time of my visit I "cruised" along the belt for 2 to 3 miles. The prospectors - a group composed largely of younger, self-trained, week-end & holiday avocationists - and locators, have much to learn but are the eager-beaver type one likes to give every possible assistance to. One of the group is an elder fellow who has been prospecting off and on for many years.

A  
They had assumed the "float" to originate from a system of rather uniformly spaced (at 150 to 200 yard intervals) strong cross-fracturing pattern, at right angles to strike of sedimentary formation, and located their claims to cover the steep ravines which follow these "breaks". They had found some scheelite in the Ls bands, but considered the cross-fractures to be the more important.

While their surface "scratching" had been negligible, it was apparent (?) to me that the intercalated Ls beds were probably the zones of greater interest and the ones to concentrate their work upon. The mineralization controls probably are the cross-fracture system.

Looking north across the deeply incised east-west ravine - a major fault (normal) - several similar but wider iron-stained Ls meares outcrop on the steep slope 500 feet or more above the ridge crest on south side of ravine. They advised they had found good "float" in ravines at base of north slope. It was recommended they that they check these formations as next order of their prospecting (after they relocated their 18 or 20 claims along strike of their formation in which their discoveries were made). Several weeks after my return here, a sample was sent to us here, with the note that it was taken at base on a 10 foot Ls bed, across 27" of it, reporting the remainder could not readily be reached. This sample went 3.46% WO<sub>3</sub>. A late snowfall of the steep slope is said to have made the going hazardous, and further prospecting will wait till April.

As they had not opened up any of the limestone beds on south side of ravine did not have the time to wait for them to do so in order that they could be properly sampled. As result, sampling was limited to calcareous meares in the ravines (of the cross-fractures) to prove their interesting "float" did not originate in them. Exception to this was one sample taken as a ~~channel~~ channel sample across a 35" wide Ls band on rim of a ravine which went 1.75% WO<sub>3</sub>. The None of other samples I took in various ravines carried appreciable values.

3

After ~~two~~ days of covering the ravines, convinced them they were on wrong track. At tail end of 3rd day ran onto some fairly large "float" and had no trouble tracing to its source, which was a Ls bed not previously found or encountered on its strike by them.

519  
DECEMBER 8, 1955  
RECEIVED

Blair Stewart  
Cyrus Minas Corp.  
RE Various

Width of this outcrop was undetermined. Sampled the exposed 42" which went 0.28% WO3.

Scheelite mineralization in "float" as well as in the few points where it was found in place, occurs as films along fractures and fairly small crystals thru the ls.

Associated with it is fairly fine grained sparsely disseminated/ FeAsS<sub>2</sub>, CuFeS<sub>2</sub>, and FeS<sub>2</sub>. These sulfides - the only ones noted - also occur in fine irregular veinlets, and estimate the 3 of them to amount to only 1/2 - 1% total.

In recent letter from leader of the prospecting group (Dec. 29th) they have asked us to make contacts with a responsible company, and determine whether they would be interested in taking look at the area.

Should your company be "receptive" to tungsten deposits, I believe this area would be well worth your while to investigate this spring; the occurrence of "float" along strike of the sedimentary series for the several miles I traversed, plus across a width of around a mile, and the finding of "float" by another prospector (to whom I talked) 15 miles or more distant, suggests concentrations of scheelite of economic importance have a fair chance of being found. The area is relatively easy to traverse by foot or horseback (I shied away from possibility of getting "saddle sores"), recent glaciation has exposed bedrock over great deal of the area and the glacial till forms only a shallow mantle.

Climate is mild - similar to Vancouver, B. C., strange at it may seem. No timber but heavy underbrush (including devils club) at lower elevations.

I am tentatively planning to spend a week or so there in April or early May. Let me know if you are interested, and whether you and/or Tub could join me.

Mt. Elson Pb-Zn

Whats the scoop on that situation (it would not be publicized. Regretted that you found it necessary to negotiate thru "free loader" Richardson).

Olga joins in sending best wishes to you and family. Pat has grown so much he may be able to take care of half my small pack next season.

Sincerely yours,  
*Martin Jagger*  
Martin Jagger

cc: S. K. Garrett  
✓ P. R. Wadsworth

P.S. Blair & Tub:- Kodiak Is. is good kodachrome country. Fair amount of Kodiak bear for "local color".

66

579

October 13, 1954

Mr. Blair Stewart,  
Cyprus Mines Corporation,  
1206 Pacific Mutual Building,  
523 West Sixth Avenue,  
Los Angeles 14, California.

Dear Blair & Tub:

RE: Spirit Mountain. Neil Finnison

As a follow up on one of your recent letters, I made trip over to Copper River valley, and while there took time to go into Chitina to contact Neil and determine whether he had returned to Spirit Mountain area as well as to see what his reactions might be to your suggested offer.

Spent a half hour or so with him, and found he had not been able to get back over there due to lack of funds - hence reason for not receiving samples for assay at the office.

Discussed your proposal (tentative) to take option on those claims on basis of doing assessment work without commitments for specific development work for next year or two. Neil stated he was quite anxious to make such an arrangement with you, as he considered you and Tub to be the best and most competent men he had ever meet, and felt he could expect fair treatment at all times. (His praise and commendation would make both of you blush).

Neil acknowledged hearing from you and was going to write, but knowing the effort required by some of the oldtimers to get off a letter, it will probably be some time before he does so. On assuring him I would write and advise you of his agreement he was quite pleased (and relieved).

Halvorson also promised to write you - that is, he said when he arrived in Seattle, his daughter would do so for him. Possibly you have heard from him by now, and I trust that he advised that his "loose" oral agreement with Jack O'Neill was no longer in effect, and that you complete an agreement with them.

RE Mt. Elison

I have heard nothing further from Bob Saunders since my last advice to you. Apparently Bob has not been able to contact Fleming and date for our examination is still unsettled. It will have to be done in next week or 10 days or else wait till next spring. Trust that in the meantime you have been able to negotiate the desired agreement with Mr. Richardson.

RE Copper Prospects, Paint river area, Elliptina district, Alaska peninsula

This is an area I believe I mentioned to you as one worth your attention and investigation. I spent some time there last year.

COPY

Blair W. Stewart  
RE Various

October 13, 1954

Mr. Hammersley, one of 4 partners in the prospect Jim Williams and I examined in that area in 1953, left here for Los Angeles last week to spend the winter. I gave Bill a card of introduction to you, as he was anxious to contact worthwhile interests while in the south. At his request I promised to write you a few lines regarding that venture.

When Bill and E. E. Sargent returned from their summer prospecting in the district, they reported doing the assessment work on the McNeil group of claims (which Jim and I looked over) and stated they had uncovered additional showings on the ground which were not visible at that time. Unfortunately there seemed to be some disagreement as to what should be done; the majority apparently did not think it necessary to take in powder, wheelbarrow, and the few items needed to clean out some cross-cuts, caved at portals, to permit examination which we had strongly urged they do this season. As result nothing really constructive was accomplished on this ground except the uncovering of several additional old cuts and natural outcrops which were still covered by snowdrifts when we were there.

Their primary objective this year appears to have been directed in effort to trace down <sup>in letters</sup> two other copper showings which original locator McNeil (deceased) mentioned years ago to Sargent - McNeil's son-in-law, who is the nominal spokesman for the partners. Both Sargent & Hammersley (separately) have reported to me that while they are not satisfied they have located the showings referred by McNeil, they have apparently come-up with at least two discoveries which from their somewhat vague description would warrant investigation. Sargent asked last month whether I could go down this fall and examine these new finds, and I agreed to do so providing weather conditions made it practical to do so. He was to write a partner, Ernie Pfaff at Naknak, to determine whether Ernie could make the trip with me and get dope on weather. Possibly Ernie was still in the hills, as Sargent has not been back to office and I suspect it is now too late in the season, as weather - while not severe - is unpredictable.

Although I do not consider Hammersley to be too sharp as a hard rock prospector, it is suggested you get all the information possible from him, for I believe the area has interesting possibilities, and they have found some additional mineralized areas. Except for the shaggy beard <sup>he</sup> had when he left, he is a personable fellow, quite a talker, but I believe tries to tell his story honestly.

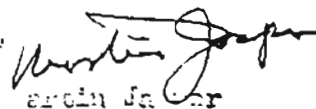
RE Skwentna River Uranium Strike

Enclosing news item on the "big strike" 110 miles from here reported in Oct. 11th local paper. Haven't any additional data to pass on - Phil is due here tomorrow, and it is possible we may make trip in there to see what it is all about.

The last paragraph in your Sept. 30 letter reads big hit with Olga.

With kind regards regards to both of you and your families, from the three of us here,

Sincerely yours,



Martin J. Sargent

cc:MS  
cc:PRH

C  
O  
P  
Y

519

September 20, 1954

DEPARTMENT OF MINES

RECEIVED

SEP 23 1954

JUNEAU, ALASKA

Mr. Blair W. Stewart,  
Cyprus Mines Corporation,  
1206 Pacific Mutual Building,  
523 West Sixth Street,  
Los Angeles 14, California.

Dear Blair:

RE: Various

Thank for your note of Sept. 14th enclosing letter of inquiry to you from Osm Shearer, Palmer, Alaska, and copy of your reply to him. I do not know Mr. Shearer but will try to locate him next time I go out Palmer way. He seems to have gotten around during his 16 days in the Forty Mile country this season. I have heard from others that region is pretty well mineralized, altho one hears of little "hard rock" prospecting going on in that area. The 740 or lg "float" is very interesting. I have heard of antimony occurrences and some high grade Au-qtz thru others (but not of their exact location) but not of his reference to Mn or the rare earth minerals. Trust his plans for a better equipped and planned trip back there next turns up something worth while. The region is "old" geologically, and have often that it should be given attention by the prospecting fraternity.

Will "size" the gentleman up and see whether he might be a good prospective member for one of your field parties - if your tentative plans mature next year for placing several exploration teams in the Territory.

Halverson-Finnison Ni prospect, Spirit Mt. area

Checked Halversons 2016 Lovejoy Ave. address last week but had moved and could not find where to. This afternoon he dropped into office after work. His present address here is -

Andrew Halverson  
704 East Fifth Avenue, Anchorage

Following your suggestion I scounded Andrew out on possibility of making a deal with you on basis of your company doing the annual assessment work without further commitments from you at the present time. This proposal has appeal to him. However, he mentioned that Jack O'Neil and the latter's nephew, Ma. O'Neil (the latter being the local mining engineer I endeavored to make appointment for you and Tub but didn't connect), had discussed the Spirit Mt. prospect with him, and the O'Neils' asked him to contact them first in event he had received any offers (or feelers) from other sources. I wanted to suggest to Andrew not to put very much dependence on Jack O'Neil as he himself is not noteworthy for dependability as the latter would have to go to others for support, but, of course, refrained from doing so.

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Clair W. Stewart  
Cyprus Mines Corp.  
RE Various

Sept. 20, 1954

It is my guess that after a little reflection Andrew will be back and want to make a deal with you on basis you suggested might be arranged by your company. In any event he asked whether I was writing you regarding results of the interview and if so to ask you to write him direct, outlining the proposal so he could get discuss it with Finnison.

Andrew is especially desirous of doing business or making a deal with a company interested in the Chitina River region, as both he and Neil Finnison know most of the copper occurrences there and both of them would like to connect with a good company to show them the various prospects they have known and been on during past 40 years or more. Should your plans for '55 be on point of "jelling" you could do a lot worse than hiring them for a prospecting venture in that region.

I have not heard from or received any samples from Finnison to date. He is probably one of those oldtimers that writing is such a "major" effort they never get around to it.

Should occasion arise to make trip into Copper River valley before season ends will contact Neil and determine whether or not he went back to Spirit Mt this season. From your discussions (and mine) with him last July my impression is that he would go for a deal such as you tentatively suggest.

Mt. Elison Pb-Zn prospect

Am still waiting word from Bob Saunders regarding our investigation of this property, held by Harold Barning. Expected to get the "come on" from Bob last week but no word to date, which is holding up another trip or 2 I want to make.

Washington State Cu Prospect

Went thru all my papers here at home but failed to find the memo written after examining that prospect for Howe Sound in the '40's. Have written my sisters in Seattle to send all my old notes, reports, maps, etc to me here, and this report should be amongst them. It may be a month before that 30 years accumulation arrives here.

Spirit Mt. Samples

Mr. Garrett forwarded copy of duplicate pulp samples we took, which Tub had Peter Mack, Wallace, Idaho run. There is a difference in the the two sets of analyses - Roy Rowe reported no copper values (which I have asked him to recheck, as chalcopryite was plainly visible in No. 2 sample, altho I did not observe any Cu in No. 1 sample). Roys Ni for No. 1 was twice as much as Mack reported and asked him to recheck that also.

519

Sept. 20, 1954

Blair Stewart  
Cyprus Mines Corp.  
Re Various

Cinnabar

One of the 2 cinnabar prospects examined in my 3 weeks in Kuskokwim River region I believe has possibilities. Spent 5 days on the property, and tied in all showings and old prospecting workings with Brunton and tape traverse.

The owners want and need help and asked us to make contacts with reliable interests if possible. Should you be interested believe you could write your own ticket. Havnt had opportunity as yet to complete a report and supporting maps, etc.

Took two days off last week while waiting to hear from Bob Saunders for major project at home - this one being the kind that could not turn over to Olga.

The sewer division on our "estate" giving continuous trouble built a new cesspool and rustled an 850 gal septic tank (for \$125, tank only. Got the cesspool logs and hauled the damned things myself last June). Hired a contractor to come in yesterday for the excavating, and got the two units installed in half day.

As usually happens (during a domestic "state of emergency") there was a continuous string of visitors during the ~~critical~~ afternoon and evening period of operations. This installation should last us till the wheels of progress take us into the city limits sometime in the dia future.

Olga joins me in best wishes and kind personal regards.

Sincerely yours,

Martin Jasper  
Associate Mining Engineer

Sending copy of this to Tub at Wallace

✓cc: 40 PRH

FILE  
27

519

Sept. 9, 1954

Mr. Blair W. Stewart,  
Cyprus Mines Corp.,  
1206 Pacific Mutual Building,  
523 West Sixth Street,  
Los Angeles 14, California.

Dear Blair:

I was very glad to receive your letter of August 26th yesterday upon returning from 3 weeks trip down the Kuskokwim River valley region. However, it was regretted to learn that the arduous trip thru the Territory laid you low for a week - this latter, of course, could only be due to the "smoggy" hazards of LA and not to the clean atmosphere of the Territory. Summer colds are undesirable however, whenever picked up.

Many thanks for the kodachrome prints of our several trips which we think are quite good.

Also on returning to the office I found my August 3rd letter to you and Tub had been returned from the Nordale Hotel at Fairbanks, which you will find enclosed. I opened it and removed one set of the pictures I had taken on our trips and will forward to Tub at Wallace, Idaho, to save you the trouble. The enclosed copy of prints are for yourself.

I was glad to learn that you were able to visit the dredge operations in the Fairbanks and Nome areas, as well as a number of other properties in the Seward Peninsula area. During your trip thru the Territory you were able to crowd in a good "birds-eye" view of a number of regions, and certainly obtained a better idea of conditions than possible to do thru study of the the numerous USGS and other publications.

RE Mt. Kilson Pb-Zn Property - *Dr. McKinley - 66*

*Handwritten:* Saunders  
I was glad to hear that you reached Fairbanks before Bob Saunders left; received Memo's from Bob dated Aug. 25th & Sept. 1st yesterday also. He returned the 2 USGS Bula on Willow Creek region you borrowed from this office. Saunders mentioned your discussions regarding this property and our plan to make trip to Harnings project this fall. He stated that it would probably be mid-Sept before Harning would have the "new" showings stripped. Apparently has had tough luck with tractor equipment - breakdowns, etc.

As Harning is agreeable will send you my report on the investigations.

Blair W. Stewart  
Cyprus Mines Corp.  
Re Various

517  
September 9, 1954

RE Little Susitna-Moose Creek Copper Prospect - *Creek-85*

So far as I know nothing has been done on this prospect so far this season, and it being late now for planning it seems doubtful any exploration will be undertaken there this year.

When you were here you asked for copy of my report on the area, made last year. Enclosed you will find the requested copy; it is minus the pictures taken and the enlarged topographic map of the section. Negatives of the pictures are in the Juneau office file, as well as the tracing of missing map labeled PLATE 2. Should you wish copies of these, write Phil Holdsworths Juneau office and he will doubtless be glad to supply them for you.

I have an extra copy of PLATE 1 which is enclosed; this is more or less of a regional one, showing the location with relation to the Willow Creek district.

RE Spirit Mt. Ni-Cu. Halverson-Finnison Prospect - *Valley-86*

Day before leaving on the Kuskokwim trip last month, Andrew Halverson was in. He spoke more or less along the lines you suggested of optioning the property on basis of your Company paying for annual assessment work; I am quite sure both he and Finnison would go for that without commitments as to development work at this time.

Andrew may have gone south - he stated that project he was working on here would be finished within a month (more or less). At same time he announced his interest in any prospective chance of his and Finnison working for you next year on any prospecting project you might possibly undertake in the Copper-Chitina Rivers region. Both of these men know that area very well and both feel they have knowledge of copper properties there which might be of interest to you.

I will call around at Halvorsens local address and if he is here will sound him out along line you have in mind. If he has gone south will get his address and forward to you for direct contact.

Finnison has not as yet sent in any samples from the Spirit Mt. area. It is possible he has not returned to Chitina as yet, if he went back to the Ni-Cu prospect as he planned to do.

My wife joins in sending regards and best wishes. She enjoyed meeting you and Tub quite as much as -

Yours truly,

*Martin Jasper*  
Martin Jasper

Associate Mining Engineer

SEP 19 1954

P.S. Am sending copy of this to S.K.G. @ Wallace.

✓ Copy for P.R.H

Office Memorandum . Territorial Department of Mines

Bul  
AW

To : Jas. A. Williams  
From : Martin Jasper  
Subject : RADIOACTIVES - REF. YOUR MAR 25th memo  
Third Division

Office: Anchorage  
Date : March 29, 1954

THANX for your research re Ollie Taylor. Getting quite a few people coming in on the uranium inquiry list.

Believe the airborne scintillometer fever has been caused by the TDM Bul. and local newshawks - the latter breed have habit of magnifying anything said, and put words in mouth of "authoritative" people which are way out of line. You may have noted that in recent news-clipping sent down to you.

Did not think you would find any claims recorded by Ollie Taylor. ~~Humbarger~~ Humbarger & Cook feel their old pal was on the "beam", however, and are going out to look for his cliff-side showing when "goes the snow".

Al Engbreath brot in a small specimen this PM - belonged to "oldtimer" friend who had not revealed to him its sources. Is a fine grained, black, medium sp. gr., with faint suggestion of carnotite stain on outside. Engbreath (councilman) believes he knows where it is from - within half hr from here by air; says he saw such a place 20 yrs ago.

CAA pilot Saxton, Swentna, was also in this PM. Has scintillometer in plane and has been cruising around in spare time. Wanted to know where we would suggest systematic survey be made. Does not have recording equipment for "Scinty".

SUGGEST SAXTON LOOK INTO  
KUSKOKWIM REGION.

WJ.

*(Handwritten signature)*

DEPARTMENT OF MINES

RECEIVED

APR 1 1954

FENNER, ALASKA

Martin W. Jasper

James A. Williams

RADIOACTIVES—THIRD DIVISION

*Re Rome letter Silver file  
re Ollie Taylor  
a few comments 3/29  
Juneau  
3/25/54*

800

193

Thanks for the various items on the subject.  
What's gotten everyone thinking about airborne scintillometers  
all of a sudden? Can we give any credit to our Bulletin?  
Strandbergs are getting secretive now, huh?

Re Humberger and Cook, have gone through Ketchikan  
and College assay records for 1952 for possible radioactive  
sample sent in by Ollie Taylor. No Taylors in Ketchikan file.  
College file revealed the following assays:

#17990, 17991, 8 Aug., Alex Taylor, Box 577,  
Mountain View, gold, silver, copper;

#17955, 14 Aug, Richard Taylor, General Delivery,  
Anchorage, gold, silver;

#17851, 14 June, R. L. Taylor, c/o Local 302,  
Anchorage, gold, silver.

No radioactives mentioned in any of the above.

Sorry, that's the best I can do.

JAW:jc

To : JAS. A. WILLIAMS

Office: Anchorage

From : MARTIN JASPER

Date : 3/23/54

Subject : RADIOACTIVES (NOT FOR PUBLICATION)

MAR. 22. H. F. FRARY, PALMER HIWAY. IN OFFICE.

Looking up data on Geiger Counters &amp; their use.

Plans prospecting for U3O8 this season in Chugach mts  
- specific location not given

MAR. 22 Eva, (AIME meet.) Odin Strandberg.

Mentioned on trip to Seward last week ran into or heard of individual who had brot in Uranium specimen<sup>(sample)</sup>. Plans to "follow-up" report. Did not reveal mans identity, but stated was not the same as referred to by J. A. Williams in recent letter.

MAR. 23 Am. Bob Reeves.

Meet on 4th Ave - joined over cup coffee.

Bob queried re cost of Scintillometer &amp; recording equip; asked if that would be desirable to equip one of his planes with that equipment on Aleutian run. Encouraged him to do so, suggesting he also obtain magnetometer equip as well. Bob indicated he was going to do so.

MAR. 23 PM. Ralph Humbberger - Boyd Cook in this PM.

DEPARTMENT OF MINES  
ANCHORAGE  
MAR 23 1954

Made inquiry re whether ~~we~~<sup>we</sup> had any record of an Ollie Taylor locating some mineral claims within 30-50 miles from Anchorage in 1952. Stated Ollie made pitchblende discovery that year, wife died later that yr or early '53, following which he left for States with no plan to return. Taylor was friend of above, told them about finding the pitchblende (approx location, 15 min. from Anchorage by plane where can land on lake near discovery). They are not certain he located any claims; suggested they go thru the Mining Records records in local office. Cook & Humbberger that Taylor had sent sample to College & to Kefauver for analysis; do you have a record of such a sample sent in by Taylor in 1952?

In any event they plan on checking the presumed discovery this summer.

mj.

Jasper 800  
3rd Div  
Lake Clark

11/8/58

MEMO TO: Phil R. Holdsworth  
Commissioner of Mines  
FROM: Martin Jasper  
Subject: Magnetite and Pyrite Deposits

While at Lyons chrome property I questioned Bill as to whether or not he had run across any good showings of either of above two types of deposits.

He stated that he had run across a number of magnetite showings in the Lake Clark region which were relatively easy of access. His observations were to effect that one or two of them were of considerable magnitude but he had not given serious thought to them before because they carry an estimated plus or minus 1/2% Cu. I could not advise him as to whether or not that was especially undesirable. Whats the dope on minor copper impurities in magnetite?

Regarding pyrite he claims to have found a couple deposits of this type out on the Alaska Peninsula on tidewater, but did not mention their location.

On advising him of the current interest and general "earmarks" required on prospects of these two types, he stated he would plan on going out next season and staking them.

I advised him if and when he did so one of the field men in our department would like to go along and report upon the occurrences, to which he agreed.

These items are worth keeping in mind and following up if possible next season. Bill appears to be a very good observer - and as Jim Williams says, is certainly a hustler.

Privately, I am not too optimistic over his present plan to fight the winter months on the chrome project, but he has my best wishes on his objective.

mj.



# CROSS REFERENCE SHEET

Name or Subject

*3<sup>rd</sup> Division*

File No. *800*

Regarding

*Sedanka zinc  
Unalaska Isl  
et al prospects on eastern end of  
Aleutian Islands.*

Date *Apr 8, 1953*

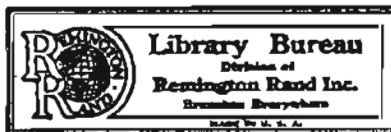
## SEE

Name or Subject

*Letter  
John H Reinher  
Seldovia  
Apr 8, 1953*

File No. *505.20*

File cross reference form under name or subject at top of the sheet and by the latest date of papers. Describe matter for identification purposes. The papers, themselves, should be filed under name or subject after "SEE."



Cat. No. 30-5902.1  
For use in all Filing Systems

# CROSS REFERENCE SHEET

Name or Subject

*Ed. Davidson*

File No.

*800*

Regarding

*Letter from John H. Reinken  
re staking claims in Military Res. (Aleutian Islands)*

Date

*4/1/52*

# SEE

Name or Subject

*Withdrawn*

File No.

*505.10*

File cross reference form under name or subject at top of the sheet and by the latest date of papers. Describe matter for identification purposes. The papers, themselves, should be filed under name or subject after "SEE."



Cat. No. 30-5902.1  
For use in all Filing Systems

October 21, 1952

Mr. John LaFevre  
LaFevre Sales and Service Company  
Cordova, Alaska

Dear Mr. LaFevre:

Enclosed are copies of the recommendations of this department relative to the proposed Copper River road. Also enclosed is a tabulated list of all known deposits and prospects in the area under discussion, numbered to correspond with marked locations on a map.

We are also sending you today, under separate cover, a map which is made up of parts of four quadrangles. All the known mineral occurrences listed in the above mentioned tabulation are indicated on this map, correspondingly numbered, and colored to indicate the specific mineral found there. The color legend indicating the various minerals will also be found on the map.

The available additional copies of the four quadrangle maps necessary for duplication are also being forwarded to you.

We trust this information reaches you in time to meet your needs.

Very truly yours,

Phil R. Holdsworth  
Commissioner of Mines

PRH:cm  
enc.

*Folder 12 -  
Map filed in Chitina - The County  
White River Preserves (Actual map of*

**THE NEED FOR ROADS IN THE COPPER RIVER REGION  
OF ALASKA AS A STIMULANT TO MINERAL DEVELOPMENT**

A thorough study of all known mineral prospects and producers in the Copper River Region of Alaska indicates the urgent need for roads in this area to open the country up for additional prospecting and eventual production.

The general region is best known for its copper, oil, coal and gold occurrences. A study of the accompanying map and tabulation clearly shows the areas where these various minerals are concentrated.

The most important metal, by far, known to occur extensively throughout the upper Copper River area is copper. This metal is also of great strategic importance on a national scale and every effort should be made to increase our known reserves. This can only be accomplished by providing access roads for movement of prospecting equipment into the favorable areas. An access road into the great copper belt along the south slope of the Wrangell Mountains would be most rapidly and economically constructed by beginning at Chitina, and progressing easterly along the old railroad right-of-way to McCarthy.

This plan, of course, does not give the most direct route from the coast, but it does give access to the area in the shortest time and at the lowest cost. The connecting road link to Cordova, the nearest and most logical outlet for production from this area, would naturally follow as part of the road construction program.

Coal, an even more important mineral from a Territorial standpoint, occurs in large quantities in the Bering River Field, some sixty miles east of Cordova. U. S. Geological Survey reports indicate an area of 50 square miles underlain by coal-bearing formations. Reported reserves in this field are 1.1 billion tons of bituminous and 2.1 billion tons of anthracite coal. The field is notably folded and faulted, but very little actual prospecting has been done to "prove up" any minable blocks.

The present coal situation in the Territory is not a healthy one. Operating mines are just able to meet the combined local demands of military and private consumers. New plants are now under construction which will materially increase this consumption. The Bering River coal field is badly in need of an access road to stimulate the development of the vast possibilities indicated by the limited information now available.

A branch road only 25 miles in length, from a point at approximately 39-mile on the old Copper River Railroad, would reach the center of the best known part of the coal field.

The future economy of the Territory is also going to depend, to a large extent, on the development of oil. Several oil companies have shown a marked interest in Alaskan oil possibilities this past season. The Deep Rock Oil Company, of Tulsa, Oklahoma, is to initiate actual drilling operations in the Katalia area next year, under the Northern Development Company's leases.

A short, 15-mile, extension of the above-mentioned Bering Coal Field branch would be of immeasurable assistance in giving access to the proposed drilling sites from the harbor at Cordova.

The Territorial Department of Mines, in the interest of developing the mineral resources of the Copper River Region, highly recommends immediate construction of:

1. The road from Cordova to Mile-39 on the Copper River railroad right-of-way; a 25-mile branch road to the Bering River Coal Field and a 15-mile extension to the Katalia Oil Field.

2. The road from Chitina to McCarthy along the old railroad right-of-way.

The balance of the road, up the Copper River from 39-Mile to Chitina, should follow as the logical outlet to the port of Cordova for any production resulting from exploration in the Chitina and Nisina River valleys.

*Phil R. Holdsworth*

Phil R. Holdsworth  
Commissioner of Mines

October 20, 1952

Copy sent Bill Nemi  
Alaska Road Comm  
10/29/52  
cm

1952

MINERAL DEPOSITS IN THE MORE REMOTE AREAS OF  
THE CORDOVA, McCARTHY, AND CHITINA DISTRICTS

<u>Name or Location</u>	<u>Type</u>	<u>Principal Minerals</u>	<u>Description</u>	<u>Reference</u>
1. McKinley Lake Prospects	Lode Gold	Pyrite Arsenopyrite	Former producer. Several properties on a number of gold-quartz veins from a few inches to 20 feet wide and paralleling the beds of the Orca Sedimentaries. Values average \$10 to \$20 with assays reported to \$100 at the old price.	USGS Bull. 542, pp. 78-80
2. Katalla Oil	Oil	Oil	Former producer, <del>and will produce again.</del> Possibilities of a large oil field. More exploration needed to determine extent.	USGS Prelim.
3. Bering River Coal	Coal	Coal	High grade coal, including coking coal and anthracite, is definitely known here. Reports have not been too enthusiastic, but very little actual prospecting or development work has been done	USGS Circ. 146, 1951
4. Standard Mines Co.	Lode Gold	Pyrite, Galena	Gold-quartz vein, 13 inches wide in schist and carrying visible free gold. Assays up to \$60, old price.	USGS Bull. 576 p. 51
5. Lower Brenner River Prospects	Placer Gold	Native Gold	Two widely separated placer prospects. NoX production.	USGS Bull. 576, pp. 47-49
6. Yellow Band Group	Lode Gold	Gold Pyrite	Mineralized dike and vein in graywacke and slate. One channel sample across the dike was 7 feet long and was \$20 per ton. Other assays ran from \$14 to \$400.	Roehm 1936-38
7. Golconda Creek Placers	Placer Gold	Native Gold	Past producer. Shallow gravel resulting from older reworked channel. A few benches left from older channel.	USGS Bull. 576, pp. 45-48
8. Brenner Mining Co.	Lode gold	Pyrite Galena	Past producer. Several gold-quartz veins in area of slates and graywackes that are cut with light colored porphyritic dikes.	USGS Bull. 894 p. 128

9. Bear Mine Group	Lode Gold	Gold Silver	Fissure filling varying from a few inches to 3½ feet and traceable for 250 feet. Roehm reports values from \$1.75 to \$22.82 and Recommends further work. Other smaller veins present.	Roehm 1936
10. O'Hara Prospect	Lead-Zinc	Galena, Pyrite Sphalerite	Twelve-foot ore body carrying 10 to 15% lead, also sphalerite and pyrite. Sheppard considered it a good prospect. Another similar deposit reported 5 miles north.	USGS unpub. 1944 Shepard 1925
11. Canyon Creek	Copper	Pyrite Chalcopyrite	Minerals are in peridotite, which is probably faulted into limestone. It is reported that assays show nickel also.	USGS Bull. 576 p. 53
12. Spirit Mountain Prospect	Nickel-Copper	Pyrrhotite Chalcopyrite Bravoite	Peridotite and pyroxenite, carrying sulfides, intruded into Carboniferous metamorphics. Estimated reserves, 6,500 tons in sight, <del>but no development work done.</del> Sample assays from 0.22 to 7.6% nickel and 0.12 to 1.56% copper.	USGS Bull. 943-C pp. 49-57
13. Falls Creek	Copper	Bornite Covellite Chalcopyrite	Ore minerals in greenstone. Geology confused.	USGS Bull. 576 p. 52
14. Surprise Creek	Copper	Chalcopyrite Pyrite Chrysocolla Chalcocite	Shattered zone in greenstone contains quartz plus ore minerals.	USGS Bull. 576 p. 52
15. Texas Creek	Copper		No information on this except that it is marked on Miller's map.	
16. Blakney prospect	Copper	Pyrite Chalcopyrite	Fractures in fault zone in greenstone filled with sulphides forming small veins of sulfides totalling about 3 feet in width. Very promising prospect.	USGS Bull. 576 pp. 50-51

17. Mile 109 and vicinity	Lode Gold	Galena	One gold-quartz vein which is 4 feet thick, and another vein which is reported to carry values of \$45 at old price.	USGS Bull. 576 p. 50
18. Chitina Prospect	Lode Gold	Gold	Nothing on this except for Miller's map symbol.	Newspapers ?
19. Benito Creek	Lode Gold	Pyrite Arsenopyrite Chalcopyrite	Three-foot quartz vein in diorite and basalt. Vein well defined for 600 feet. Carries free gold, some of it in large pieces, and silver. Two other large quartz veins nearby.	USGS Bull. 745 pp. 142-143
20. Elliot Creek	Copper	Bornite Chalcopyrite Chalcocite	Deposits in greenstones along fractures as filling and replacements. Prospects hold great promise and cover area of six miles along upper part of creek. Over 15 properties were staked at one time, some of which carried good gold values also.	USGS Bull. 745 pp. 115-125
21. Copper Creek	Copper	Bornite Chalcopyrite Malachite Azurite	Nine properties on three forks of Copper Creek along the limestone-greenstone contact. Some are in the limestone as replacement deposits, and some are in the greenstone. No producers, but one contains a significant amount of indicated ore.	USGS Bull. 745 pp. 101-104 USGS Bull. 947-0 pp. 124-132
22. Rock Creek	Copper	Bornite Chalcopyrite	Crushed calcite zone 3 to 3½ feet wide in greenstone carries small irregular bodies of ore minerals.	USGS Bull. 745 pp. 104-105
23. Iron Dyke	Lode Gold	Gold Silver	Report missing from files. No information obtainable.	Shepard 1926
24. Silver Star Group	Copper- Silver	Tetrahedrite Galena Azurite Malachite	Fault zone 30 inches thick is filled with ore-bearing quartz. The chief mineral is the silver-bearing tetrahedrite. Assays show silver from 25 to 700 ounces, copper from 1 to 32 %, and some bismuth.	USGS Bull. 745 pp. 110-112



25. Mineral Creek	Copper	Pyrite Chalcopyrite	Numerous mineralized faults. Assays reported to also show \$9.75 in gold (old price) and 3 ounces of silver.	USGS Bull. 745 pp. 114-115
26. Lost Cabin Group	Copper	Chalcocite Chalcopyrite Bornite	Copper is disseminated in greenstone below the limestone and without gangue.	USGS Bull. 745 p. 112
27. Good Enough Group	Copper	Native Copper Chalcocite Cuprite	Mineralized fracture zones in basalt. Quartz and calcite associated. Some greenstone replacement.	USGS Bull. 745 pp. 112-113
28. Fall Creek	Copper	Bornite Chalcocite Native Copper Cuprite	Minerals in fractured amygdaloidal greenstones.	USGS Bull. 745 pp. 113-114
29. Surprise Creek	Copper	Chalcopyrite Chalcocite Bornite	Three or four prospects on mineralized shear zones up to four feet wide in greenstone which is intruded by granodiorite.	USGS Bull. 745 pp. 108-110
30. Roaring Creek	Copper	Chalcocite Native Copper	A fairly large area over which the copper minerals are scattered in small amounts through the greenstones. This creek offers excellent opportunity for a limited amount of water power.	USGS Bull. 745 pp. 105-107
31. Porcupine Creek	Copper	Chalcopyrite Malachite  be	A few properties developed in the Nikolai greenstone. Small fissures in the sheared country rock. A little gold is reported to be included.	USGS Bull. 745 p. 128
32. Clear Creek	Copper	Pyrite Chalcopyrite Bornite	Several properties near the limestone-greenstone contact, but on the greenstone side. Prospects not too good, although a large amount of development work was done on one in the expectations of a low-grade operation. Small production.	USGS Bull. 947-G pp. 132-136

33. Nugget Creek	Copper	Bornite Chalcopyrite Pyrite Native Copper	Good and extensive mineralization in amygdaloidal basalts and greenstones. However, extensive underground workings appear to indicate that minerals fade with depth. Small production.	USGS Bull 745 p. 128-133 USGS Bull. 947-0 pp. 136-137
34. Finch Group (Big Horn)	Copper	Bornite Chalcocite	A group of prospects on small veins in fractured and faulted greenstone.	USGS Bull. 745 pp. 133-135
35. Mayflower Claim	Copper	Bornite Chalcocite	Minerals are in faulted fracture zone which also contains quartz. Possibilities of ore body are good. Location is in very rugged terrain.	USGS Bull. 745 pp. 135-136
36. Pierson Claim	Copper	Pyrite Chalcopyrite	Two to three foot shear zone near contact. Mostly staining.	USGS Bull. 745 p. 136
37. Berg Creek	Lode Gold	Pyrite Chalcopyrite	Near the Berg Creek copper deposit. Veins are near diorite-limestone contact, and show a variety of phases of mineralization. Assays show values of up to \$450, old price, but average is much less. Former producer.	USGS Bull. 745 pp. 143-146
38. Berg Creek	Copper	Magnetite Pyrite Chalcopyrite	Minerals occur in veins in diorite which has intruded the nearby limestone. No production, but these prospects are very good and also carry gold and silver.	USGS Bull. 745 pp. 140-141
39. Copper Queen	Copper	Pyrite Garnet Chalcopyrite Magnetite	Considerable quantity of mineralization in greenstone near contact. Geology confused, but prospect is good.	USGS Bull. 745 p. 139
40. MacDougall Creek	Copper	Pyrite Pyrrhotite Magnetite Chalcopyrite	Several prospects in limestone - diorite contact area. Possibilities of ore bodies not great.	USGS Bull. 745 pp. 137-139
41. Trail Creek	Copper	Iron and Copper Sulphides	Good outcrops, but underground work disclosed no ore.	USGS Bull. 745 pp. 136-137

42. Kinney-Golden Property	Copper	Chalcopyrite	Seven claims on shale-limestone contact. Copper is found along the contact and in nearby greenstone.	USGS Bull. 662 pp. 160-161
43. Lakina prosp.	Copper	Chalcoelite Bornite Native Copper	Veins along fracture planes in shear zone. Also native copper in greenstone at different location. Small production.	USGS Bull. 662 pp. 161-162
44. Hidden and Fourth of July Creeks	Copper	Bornite Chalcopyrite Chalcoelite	Minerals are in greenstone along limestone contact in many places on both creeks. A little production on Fourth of July Creek.	USGS Bull. 947-F -. 119
45. Regal Prospect	Copper	Malachite	Apparently no large bodies exposed. Malachite in shale at limestone-greenstone contact.	USGS Bull. 947-F pp. 101-103
46. Kennecott Copper Corp.	Copper	Chalcoelite Azurite Malachite Covellite	Over a billion pounds of copper produced from four deposits in the Chitistone limestone above the greenstone contact. <del>Considerable lower grade ore left.</del> Operation closed because of lowering copper price, increasing costs, labor difficulties, and lowering grade of ore.	USGS Bull. 947-F pp. 99-101
47. Porphyry Mountain	Molybdenum	Molybdenite	Molybdenite-quartz vein in granite porphyry varying from 4 to 18 inches in width and exposed for 140 feet. Two channel samples show values of 1.83% and 0.87% molybdenum.	Saunders - 1951
48. Tjosevig Prospect	Copper	Malachite Azurite	Minerals in thin films and veinlets in limestone.	USGS Bull. 947-F pp. 104-105
49. Green Butte Mine	Copper	Chalcoelite Bornite Malachite	Produced about 1,500 tons of high-grade copper ore. Copper in limestone close to contact. Ore averaged 1200 pounds of copper and 10 ounces of silver to the ton. Significant quantities of ore probably remain.	USGS Bull. 947-F pp. 103-104

50. Nikolai Prospect	Copper	Chalcopyrite Bornite	No production. Copper in two shear zones in greenstone. One is exposed for 150 feet and is one to four feet thick. The other is smaller. Probably 1500 tons of 25% copper in sight.	USGS Bull. 947-F pp. 106-108 Wimmler 1924-1925 J.C. Shepard 1926
51. Peavine Prospect	Copper		No geological information available. No production.	USGS Bull. 947-F p. 120
52. Houghton-Alaska Co.	Copper		On limestone - greenstone contact, but no further geological information available. No production.	USGS Bull. 947-F p. 120
53. Contact Gulch	Copper		On limestone - greenstone contact, but no further geological information available. No production.	USGS Bull. 947-F p. 120
54. Nelson Prospect	Copper	Chalcocite Covellite	Small production. Openings in limestone filled by mineralization, which also replaced it along bedding planes and fissures. Over 130 tons of 60% material in sight. Very good prospect. <del>Presently under exploration by diamond drilling.</del>	USGS Bull. 947-F pp. 110-114 Roehm 1936
55. Nadowan Prospects	Copper	Pyrite Chalcocite Chalcopyrite	Minerals are in massive lenses, thin veins, fracture fillings, and as disseminated grains in a 20 foot layer of limestone for 200 feet. Smaller lenses and fissure fillings elsewhere.	USGS Bull. 947-F pp. 114-117
56. Erickson Prospect	Copper	Native Copper Chalcocite Malachite Cuprite	Some production. Minerals are restricted to a 6 to 8 foot amygdaloidal greenstone flow. Native copper is the chief mineral. The average value is estimated at less than 5%, but parts of the bed may contain up to 10%.	USGS Bull. 947-F pp. 117-118

57. Westover Prospect	Copper	Bornite Chalcocite Malachite	Minerals are in lenses, veins, and fractures, and ore also disseminated in the limestone. Bedding faults were the control. Small production. About 100 tons of 30% ore and 100 tons of 10% ore in sight.	USGS Bull. 947-F pp. 108-110 Wimmler 1924-25 Shepard 1926
58. Dan Creek	Copper	Bornite Chalcopyrite Chalcocite Native Copper	Several properties on mineralization in the greenstone. No production. Native copper in the placer gravels.	USGS Bull 947-F pp. 119-120
59. Dan, Copper Chititu, and Rex Creeks	Placer Gold	Native Gold Native Copper Native Silver	All past producers, but not worked out. These once profitable gold placers were shut down only because of economic conditions. Favorable reserves remain.	USGS Bull. 448 pp. 100-107 USGS Bull 894 pp. 128-129
60. Williams Peak	Antimony-Gold	Stibnite Gold	Two narrow well-defined sheet-like veins which average about 1 1/4 inches in width. Assays show values in antimony up to 15% and in gold up to 1.1 ounces.	Roehm 1936 1938 Holdsworth 1952
61. Young Creek	Placer Gold	Native Gold	Low grade ground, but a long stream. Little production. Native copper and silver associated.	USGS Bull. 675 pp. 74-76
62. Erickson Gulch	Copper	Sulphides	Copper sulphides in a shear zone in greenstone. Little work done on it.	USGS Bull. 675 p. 78
63. Canyon Creek	Molybdenum	Molybdenite	Vein reported to be 8 feet wide and in granite. The moly forms solid vein 12 inches thick, then in stringers through the quartz for the rest of the width. Very good prospect. Further moly reported by local prospector to show on Hawkins Glacier side.	USGS Bull. 675 p. 79 USGS Bull. 926-C pp. 182-183
64. Hawkins Glacier	Copper	Chalcopyrite Native Copper	Vein carrying sulphides cuts greenstone. Near-by greenstone contains native copper.	USGS Bull. 675 p. 78

- |   |                |                                       |  |   |
|---|----------------|---------------------------------------|--|---|
| 65. Barnard<br>Glacier and<br>Chitina River | Copper<br>Lead | Chalcopyrite<br>Chalcoocite<br>Galene | Throughout this area, copper mineralization is found. Galena also shows up in part of the area. The Martin HARRAIS property is probably included in this area. | USGS Bull. 675<br>pp. 78-79<br>HARRAIS Report |
| 66. Kiagna River                            | Placer<br>Gold | Native Gold                           | Low grade placer ground. Small production.   | USGS Bull. 675<br>pp. 77-78                   |
| 67. Kiagna River                            | Iron Ore       | Sulphides                             | A large vein of sulphides crosses the branches of the Kiagna. It was staked as iron ore, but no work was done.   | USGS Bull. 675<br>p. 78                       |

6311 - *Alutian Is.*  
800  
*Alutian Is.*  
J.S.L.

August 13, 1947.

*Stewart 3*

S/Sgt. Wayne L. Miller - 19013082,  
179th Station Hospital,  
Adak, Alaska,  
APO 980, c/o Postmaster,  
Seattle, Washington.

Dear Sgt. Miller:

In response to your recent request, there are being forwarded to you under separate cover the pamphlet on prospecting in Alaska and the booklet on industrial minerals as a field for prospecting.

The geology of the western Aleutians has not been studied in detail. Stephen R. Capps, Geologist with the U. S. Geological Survey, accompanied a Navy expedition in 1932 to the western Aleutians, but he was unable to study in detail any of the islands visited. The results of his observations were published in U. S. Geological Survey bulletin 867-D, which is out of print. Extracts from this bulletin have been typed and are inclosed herewith. Popof, Unga and Unalaska have been studied in more detail. Descriptions of some of the mineral occurrences on these islands was published in 1911, U. S. Geological Survey bulletin 467, which is also out of print. Extracts from this bulletin are also inclosed for your information. Interest has lately been revived in the old Apollo mine on Unga Island and I understand that an engineer for a large mining company is now on the island for an examination for the purpose of determining whether or not the remaining ore bodies might be mined at a profit under present improved metallurgical practices.

Engineers of the U. S. Bureau of Mines examined and sampled surface showings of sphalerite (zinc blende) on Sedanka Island recently and reported favorably on the occurrences, although lack of development prevented the examining engineers from determining depth or continuity of the deposits.

The Curator of the Territorial Museum here at Juneau received last spring from Mrs. H. D. Catron, Chernofski Harbor, Unalaska Island, specimens of agate, jasper, amethyst, etc. that appear to be suitable gem material for cutting and polishing. It occurred to me that similar material might be available on some of the more westward islands of the chain, possibly Adak. Beach wash should be favorable for this type of material, if interested in the search for it.

Very truly yours,

NOV 1 1947  
STEWART

Incls.

R. L. STEWART,  
Clark.

DEPARTMENT OF MINES  
RECEIVED  
AUG 13 1947  
JUNEAU, ALASKA

179th Station Hospital  
Adak, Alaska  
APO 980 c/o Postmaster  
Seattle, Washington

Mr. B.D. Stewart  
Commissioner of Mines,  
Juneau, Alaska

Dear Sir:

I would like the pamphlets "Prospecting in Alaska" by R.L. Stewart, and "Industrial Minerals as a field for Prospecting in Alaska" by A.E. Glover.

I should be very happy to receive any information concerning the geology of the Aleutians.

I will pay any cost by return mail.

Sincerely yours  
*Wayne L. Miller*  
Wayne L. Miller

*All we have is Cappa  
report, isn't it?*

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B. D. STEWART  
COMMISSIONER OF MINES



Excerpts from Geological Survey Bulletin 857-D  
Notes on the Geology of the Alaska Peninsula and Aleutian Islands,  
by Stephen R. Capps.

UNALASKA ISLAND

In traverses carried along the shores of Iliuliuk Bay and on Amaknak Island (the island on which Dutch Harbor is situated) the only rocks observed were basic lavas and tuffs that have a prevailing dip of about  $15^{\circ}$  -  $30^{\circ}$  N. These volcanic rocks are cut by numerous dikes and sills of similar composition. The southeast shore of Iliuliuk Bay was not examined in detail but appears also to be composed entirely of volcanic rocks, though their structure is more diverse than that of the rocks on Amaknak Island. In this section three specimens of rock taken from the shores of Amaknak Island proved to be basaltic tuff, basalt porphyry, and olivine basalt porphyry. No rocks other than those of volcanic origin were seen.

A short trip to the head of Captains Bay, southwest of Unalaska, showed the presence there of abundant granitic gravel discharged by the Shaishnikof River, which flows from the high interior of Unalaska Island northeastward into the head of Captains Bay. The pebbles of this gravel, examined in thin section, were found to be fairly coarse grained quartz monzonite, of a type which the writer saw nowhere else in the Aleutian Islands. Associated with the quartz monzonite gravel on the bars of the river are minor amounts of chloritized tuff and a small proportion of volcanic rocks ranging from light-colored lavas and porphyries to basalt. A short trip southward from the head of Captains Bay showed quartz-pyroxene diorite in place. The abundance of quartz monzonite and of diorite in the gravel of the Shaishnikof River indicates that a large part of its basin lies in granular intrusive rocks, although the portion of the island bordering all of Unalaska Bay except the upper end of Captains Bay is evidently made up of volcanic materials. The cliffs in the neighborhood of Cape Cheerful at the west end of the bay, show a great thickness of lava flows; those toward the base of the cliffs are relatively thin, but three flows from 200 to 500 feet thick appear toward the top of the cliffs.

A brief examination of the shores of the head of Chernufski Harbor, on the northwest coast of Unalaska Island near the site of an abandoned village, showed that this portion of the island is also composed entirely of volcanic rocks. Two specimens of bedrock both proved to be basalts. On the Pacific slope of the bar on which the village is located the beach is composed almost exclusively of highly polished pebbles of a dark to light green fine-grained rock that in thin section proved to be an obsidian tuff composed of both

rounded and angular fragments of unaltered volcanic glass, now silicified and cemented together by very fine grained quartz. Some fragments of plagioclase and other original minerals are still visible, but the bulk of the rock is made up of the volcanic glass. Native stone implements of a similar rock have been found in the region by archeologists, and it is likely that the material for them was obtained from this locality. The rock, through hard to work, takes on an exceptionally smooth polish and can be shaped into superior pointed weapons.

Unalaska Island, like all the other high mountainous islands of the Aleutian chain, was severely glaciated in Pleistocene time by glaciers that originated on the mountain slopes and pushed radially out to sea in all directions. This island apparently acted as the center for the development of a local ice cap, so that not only the mountain valleys but the lowlands and the lower portions of the intervally ridges were overridden and sculptured by glacial ice. In places this ice scour has given strong surface expression to the structure of the underlying lavas and tuff. Thus on Amaknak Island, in the area between Dutch Harbor and the head of Iliuliuk Bay, glacial plucking has developed a series of step-like ridges that as viewed from the air show steep scarps on their south face and smooth dip slopes on the north slope. The whole island bears conspicuous evidence of strong glacial sculpturing, and except for the steep wave-cut cliffs on exposed shores and the building of deltas, bars, and spits in protected places, postglacial erosion has been slight, and the land forms are much as they were when the glaciers receded.

#### ATKA ISLAND

A portion of the shore of Nazan Bay, Atka Island, near the village of Atka, was examined, and the rocks there all proved to be volcanic. Two thin sections cut from rocks collected near the village were both found to be porphyritic basalts, considerably altered. In one the phenocrysts of plagioclase were almost entirely altered to chloritic minerals and epidote. Some of the basalt flows show prominent columnar jointing, and associated with the flows are hard, well-cemented tuffaceous rocks in which large angular fragments are distinguishable.

It is reported that the natives formerly mined native copper on Salt Island, a small island that lies just northwest of the center of Atka Island. This copper probably occurs in an amygdaloidal lava flow. At the time of visit the higher peaks of the island were concealed in clouds, but it is said that the volcanic peak on the north end of the island shows signs of having been active at no very remote date, though the cone is considerably dissected. It is also reported that a hot spring a few miles above the head of Korovin Bay, on the northwest side of Atka Island, boils violently at intervals.

## ADAK ISLAND

Opportunities for close observation of the geology of Adak Island were confined to the Bay of Islands and the head of Three Arm Bay, on the west shore of the island, though a comprehensive view of all the north half of the island, except where concealed by clouds, was obtained from the air. The portion of Adak Island studied is composed entirely of volcanic rocks, none of the basement rocks through which the volcanic materials were erupted being seen. The south and west shores of the Bay of Islands are made up of dense, hard flow rocks and massive tuffs. The flows include andesite or latite porphyry and basaltic greenstone. The islands at the entrance of the bay appear to consist dominantly of tuffaceous material, with only subordinate amounts of flow rocks.

Between the Bay of Islands and Andrew Bay, on the north shore of Adak Island, there is a volcanic peak whose top was continually in clouds during the time of visit but whose lower slopes contain large quantities of loosely consolidated ashes, tuff, and fragmental material, indicating comparatively recent activity. The materials, being little indurated, have suffered much more from post-glacial erosion than the harder rocks around the Bay of Islands, and they have slumped extensively on being undercut by the waves.

Adak Island as a whole shows severe glacial erosion and appears to have been almost entirely covered by a local ice cap at the time of its maximum glaciation. The Bay of Islands, Three Arm Bay, and the Bay of Waterfalls (on the south shore) are all glacial fiords, and high on the slopes of the bordering mountains glacial lakes lie in basins excavated by the ice in the volcanic rocks. Erratic boulders occur, even on the high slopes, although over most of the surface of the island the bedrock has been ice-scoured and is covered only by a thin layer of rock-disintegration products, soil, and vegetation.

## KISKA ISLAND

Opportunity was offered to study that part of Kiska Island immediately adjacent to Kiska Harbor, on the east shore. On entering this harbor, Little Kiska Head, at the northwest extremity of Little Kiska Island, stands out as a fine example of columnar basalt, exposed in steep, wave-cut cliffs. The north and west shores of the harbor are composed mainly of loosely indurated volcanic tuff, with fragments 1 inch in diameter or less. This tuff is bedded, dipping  $5^{\circ}$  -  $10^{\circ}$  N., and, though standing in nearly vertical cliffs where wave erosion is active, is nevertheless so poorly indurated that it crumbles readily under the hammer. Near the north entrance to the harbor the tuff is overlain by basaltic lava. The shores and the mountain on the south side of the harbor are composed of lava flows that include dark basaltic rocks, some of which are partly glassy, and lighter-colored lavas, among which a quartz latite was identified.

Only the shores of Kiska Harbor were studied at close range, but as seen from the air Little Kiska Island and all of the eastern and northern portion of Kiska Island appear to contain only volcanic rocks.

At the northern end of Kiska Island is a volcanic cone some 4,000 feet high that was entirely snow-covered almost to sea level in late May 1932. Its slopes show only moderate dissection, and the aviators of the expedition thought they detected fumaroles on its upper slopes.

Kiska Island shows the effects of glacial erosion, but as most portions of the island are less than 1,500 feet above sea level the glacial scouring was in most places not severe.

#### ATTU ISLAND

As seen from the air Attu Island is a rugged mountainous island, of which the main peaks and ridges rise to elevations of 3,000 to 3,500 feet. So far as is known, there are no active volcanic vents on this island, and indeed no mountains were seen whose contours were constructional. The whole island has been heavily glaciated during Pleistocene time, and the present topography has been produced by the glacial modification of the preexisting stream-eroded landscape. As in most of the other islands of the Aleutian chain, the shores of Attu Island are exposed to the full force of the surf and are generally clifflike, with little or no beach exposed. Attu Island has almost no low-lying areas, the mountains nearly everywhere descending abruptly to the shore and being edged by steep cliffs against which a constant surf breaks, so that landing by a small boat is dangerous or impossible, and access on foot is difficult. Close-range study of the geology was confined to the shores of Chichagof Harbor, on the north side of the island, in the vicinity of the village of Attu. At the time of visit, in late May, the island was almost entirely snow-covered down to the shore line, and tidal lagoons were still covered with ice.

The north shore of Chichagof Harbor is composed mainly of basaltic lavas, some of which are full of irregular crusts. Associated with the basic flow rocks are some coarser-grained acidic rocks that in thin section are seen to consist of sodic diorite, in which chlorite and epidote are present as alteration products. Some unaltered pyroxene is present, and magnetite and epidote were noted as accessory minerals. This sodic diorite is believed to represent an intrusive into the more basic lavas. At one place it is cut by a stockwork of quartz stringers that have a fairly definite linear arrangement, striking northeast and dipping nearly 90°. No metallic mineralization was noted in this quartz.

The south shore of Chichagof Harbor is composed of a series

of massive basalt flows, some of which are amygdular, and of coarse massive basic tuffs consisting of lava fragments in a lava matrix. These beds dip about 45° NE. Some of the basalt beds contain small cubes of iron pyrite, both as scattered grains in the matrix and as bunches along tiny cracks. There are also a good many quartz stringers cutting the basalts, but no metallic minerals were seen in them.

## GOLD

### Popof Island

Placer gold was discovered by Louis Herman in the beach about  $1\frac{1}{2}$  miles south of Sand Point post office on Popof Island in the summer of 1904. Active work was in progress during 1904 and 1905, and it is reported that gold amounting in value to about \$12,000 was taken from these beach placers in those years. The productive belt was about three-fourths of a mile long. From 20 to 40 men were at work during the summer of 1904 with rockers, washing the coarse sand and gravel. All the gold was found below mid-tide, and most of it around large boulders at about the level of low tide. Little work has been done on this beach since 1905. In 1908 but one man was engaged in rewashing the sand and gravel, and he is reported to have found it unprofitable and finally to have abandoned operations.

During 1908, most of the interest on this island was centered on four lode claims that were staked on the hills immediately adjoining the beach placers. No distinct quartz ledges have been located, but the exposed rock contains some free gold. Specimens in which free gold is plainly visible may be found in the surface zone of oxidation and weathering. This zone varies from 5 to 10 feet in thickness. Several samples taken from the weathered material yielded some free gold when crushed and panned. The owners of this property have had several samples assayed, and values up to \$20 a ton were reported as a result of the assays. On the Louis Herman property a short tunnel has been driven and four shafts have been sunk below the zone of surface weathering. Ore samples taken from three openings on this property varied greatly in content of gold; one sample was exceedingly rich. The rock in which this gold occurs is an andesite similar to that in Unga Island, where the Apollo mine is located. The unweathered rock appears as a light gray lava, containing an abundance of small pyrite crystals. In claim adjoining the Louis Herman property one small quartz ledge has been discovered and some development work has been done.

### Unga Island

Gold-bearing ledges have been found at a number of places in Unga Island. In the southeastern portion of the island, about 1 mile from the head of Delarof Harbor and 4 miles from the town of Unga, are located the Apollo and Sitka mines. A third mine has been opened on the Shumagin group of claims, near the head of Baralof or Squaw Harbor. Several locations for gold lodes have been made on the ridge south of the Apollo mine, in the valley west of the Shumagin mine, and at points about 2 miles south of Coal Harbor.

Apollo Consolidated mine.--This mine was on a productive basis from 1891 to 1904 and was reopened during the summer of 1908, when 40 of the 60 stamps in the mill were put into operation and ore that had already been mined was run through the mill. The occurrence of gold ore at this locality has been described by Becker and by Martin, who visited it in 1904, gathering some additional data.

The deposit, according to Becker's description, is a reticulated vein or zone of fracture, in a country rock of andesite and dacite. The ores include free gold, pyrite, galena, zinc blende, copper pyrite, and native copper. The ore is free milling, a large part of the gold being carried in the native state. The chief gangue mineral is quartz, but calcite and orthoclase are present in subordinate amounts. The ore body strikes N. 20° E. It is from 5 to 40 feet wide and forms a chute that pitches northward. The chute comes to the surface at the south end of the workings at an elevation of 600 feet, and at the north end it narrows and becomes of low grade at a depth of about 800 feet. Several attempts have been made to reach the ore body at lower levels by shaft and tunnel, and long crosscut tunnels have been driven in prospecting the adjoining areas. In places the ore body was exceedingly rich, carrying up to \$50 a ton; the average for the main ore body was perhaps about \$8 a ton. The main chute has not been worked out. Some ore has been taken from minor zones of fracture in the crosscut tunnels, but ore has not been found in these zones in sufficient quantities to justify a continuation of the work. The country rock has been mineralized to a certain extent on either side of the main ore body.

Becker concluded that the country rock is Miocene or post-Miocene, because of its lithologic similarity to andesite, which is supposed to overlie the Miocene at the north end of the island. He would, accordingly, make the mineral veins of very recent Tertiary or post-Tertiary age. The present writer believes the post-Miocene andesites at the north end of Unga Island to be distinct in age from the country rock in which the gold ledges occur. The younger andesites cover a portion of the south end of the island and overlie irregularly the gold-bearing formation. The age of the rock in which the gold-bearing ledges occur is not definitely known, but it is believed by the writer to be Mesozoic or older.

Sitka mine.--This mine is located north of the Apollo mine across the valley. The ore body is associated with a sheer zone which strikes at right angles to the Apollo ore body. The rock in which this ore occurs is of the same general type as that at the Apollo mine; the ores consist of free gold, galena, zinc blende, and pyrite, and the chief gangue mineral is quartz, with subordinate amounts of calcite. The ore, however, is of low grade, and has never yet paid for the working. Some of the material in the dump was run through the mill during the summer of 1908. The superintendent believes that the ore could now be mined and milled at a profit. This mine is connected by a tramway with the Apollo plant, so that the ore may be handled at the Apollo mill.

Shumagin mine.--The Shumagin claims have been staked out along two ledges which strike N. 60° E. and outcrop in a low ridge one-half mile southwest of the head of Baranof Harbor. The southern ledge is about 50 feet thick, but the ore has not proved sufficiently rich to encourage mining. The other ledge, which varies in width from 2 to 3 feet, is reported to carry values commonly ranging from \$4 to \$5 to the ton, and nowhere running below \$2. These quartz ledges are in shear zones, and are interrupted by many masses of country rock. The present workings consist of two tunnels, with crosscuts. The lower tunnel, which has been driven 363 feet, passes through the wider quartz ledge, and within a short distance of the second ledge. A crosscut 75 feet long has been made at the end of this tunnel. The upper tunnel is 79 feet long, and a crosscut at the end runs 116 feet to the east and 53 feet to the west along the ore body. The two tunnels are separated in elevation by 150 feet.

#### Unalaska Island

The island of Unalaska is off the western extremity of Alaska Peninsula, near one of the most frequented routes from the Pacific Ocean to Bering Sea. It is important chiefly on account of its splendid natural harbor, on which are located two coaling and trade stations, Dutch Harbor and Unalaska. Several years ago an unsuccessful attempt was made to develop and mine some gold-bearing quartz veins near the village of Unalaska. A 3-stamp mill and a couple of tramways to connect the mill with the mines were erected, but these are now in a state of ruin. Quartz veins of economic value are reported by prospectors on several of the islands farther west.

The following notes are quoted from a report on this district, made in 1905 by Collier:

"The hard rocks of the islands are volcanic and consist of interbedded tuffs and flows that are cut by numerous dikes. The most common rocks are dark-gray andesites.

"South of Dutch Harbor for several miles the rocks are cut by a system of nearly vertical joint planes which extend approximately east and west. Mineralization has occurred along these joints, and in some instances quartz veins have been formed. Several such quartz veins are exposed in the bluff west of Unalaska, where they have been prospected by short tunnels. The best example, however, is found at the gold mine located  $1\frac{1}{2}$  miles south of Unalaska and about a quarter of a mile from the shore of Captains Bay, where a number of small veins of this kind are contained in compact gray andesite. The largest of these forms the main ore body of the mine and has been opened for about 200 feet. It has a maximum width of 6 or 7 feet, but thins out in both directions from the widest part and at the ends of the tunnels is not over 1 or 2 feet wide. The samples obtained here consist of kaolin and cellular quartz heavily stained with iron in the form of limonite. Samples obtained on the dump and around the mill indicate that a considerable portion of the ore originally contained unweathered pyrite and sulphide minerals. A sample taken by the writer from the face of the drift at the principal ore body was assayed by E. E. Eurlingame & Co., of Denver, who reported 0.02 ounces of gold to the ton and a trace of silver. It is reported that before the mill was built assays promised very high values, which were not realized from the ore when milled."



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Memo:

For file on PUMICE and PUMICITE

see KODIAK PRECINCT - for Mt Katmai deposits (126 - )

" Iliamna Precinct - for Augustine Is. deposits (103 - )

also Correspondence files: Roehm, Dahners and ~~Barber~~  
U.S. Geol. Sur.

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April 30, 1947

MEMORANDUM FOR FILE

ASBESTOS and JADE

The discovery of asbestos and jade deposits in the Anchorage Region has been reported by Mr. W. J. AIRES, Box 211, ANCHORAGE, ALASKA. See his letter dated April 26, 1947.

(Precinct File - KIKI PRECINCT)



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MEMO:

For Alaska Railroad file on CLAY and LIMESTONE deposits  
in the Rail Belt, SEE:

Letter of Harry Fiedler to B.D.S. - Mar. 25, 1946.