IR-066-02

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

December 14, 1926

B. D. Stewart, Supervising Mining Engineer,
Geological Survey, U. S. Dept. of the Interior,
Juneau, Alaska

Dear Stewart:

Enclosed are three copies each of geological sketches, with assay returns, of the prospects I examined along the Alaska Railroad in September, 1926. I am sending fifteen copies each to the owners, three copies each to Phillip L. Smith, four copies each to Noel W. Smith, and one each of the antimony prospect to James W. Furness.

Enclosed are copies of assay results of samples with the locations noted of some of the iron stained outcrops I sampled. Also enclosed are the results from four specimens given me by four prospectors. I took four samples from a prominent mineralized schist outcrop near the Savage River Camp, McKinley Park. These four samples assayed from 20% to 60% gold and from 0.10 to 0.15 oz. silver. I sampled an iron stained outcrop in a railroad cut near Cantwell that assayed 20% gold and 0.10 oz. silver. I sampled an outcrop for Laughing Ole in the Valdez Creek District assaying 60% gold, 0.10 oz. silver, and no nickel or platinum. I took seven samples across big widths of iron stained quartz porphyry, conglomerate, and quartz at several places along Stony Creek, Mc Kinley Park. These seven samples each assayed trace gold and trace silver.

With best wishes for the New Year and personal regards,

Sincerely,

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Open
Cut
No. 5

Ap. Ely
3965'

Ely CE Stake
MN Lode

NE Cor Anchorage Lode No. 2
NW Cor Anchorage Lode No. 1
SWCE of NE Ext. of Anchorage Lode No. 2
Ap. Ely 3920'

See Sheet 2 for
geology and as-
say results

Open Cut No. 4
Ap. Ely 3970'

KX
67-28

Open Cut No. 3
Ap. Ely 3975'

Open Cut No. 2
Ap. Ely 3980'

Open Cut No. 1
Ap. Ely 3985'

Compass Survey Plan
Open Cuts on Powless Prospect
Valdez Creek District, Alaska
by Harry Townsend
Geological Survey
U.S. Dept. of the Interior
Scale - 1 in. = 100 ft.
September, 1926

Open Cut site stake
Ap. Ely 3700'

Sheet 1

85°
Schist
Hornblende
P-1 5 ft. wide
Silver-0.05 oz.
Gold-0.03 oz.
P-2 4 ft. wide mostly quartz
Gold-0.04 ounces
Silver-0.10 ounces
Open Cut No. 3
Cover

85°
Schist
Hornblende
P-3 3 ft. wide
light shearing
Gold-0.02 oz.
Silver-0.10 oz.
P-4 3 ft. wide
heavy shearing
Gold-0.03 oz.
Silver-0.10 oz.
P-5 3 ft. wide
Gold-0.01 oz.
Silver-0.05 oz.
Open Cut No. 2
Cover
80°
Schist
Hornblende
P-6 4 ft. wide
Gold-0.04 oz.
Silver-0.15 oz.
Open Cut No. 1
Cover
80°
Schist
Hornblende
P-7 7 ft. wide
Gold-Trace
Silver-Trace
Open Cut No. 4
Cover
80°
Schist
Hornblende
P-8 3 ft. wide
Gold-0.02 oz.
Silver-0.10 oz.
P-9 8 ft. wide
Gold-0.01 oz.
Silver-0.10 oz.
P-10 10 ft. wide
Gold-Trace
Silver-Trace
Platinum-None
P-11 11 ft. wide
Gold-0.02 oz.
Silver-0.10 oz.
Platinum-None
P-12 5 ft. wide
Gold-0.36 oz.
Silver-0.60 oz.
Open Cut No. 5
See Sheet 1

85°
Schist
Hornblende
Open Cut No. 4
See Sheet 1

85°
Schist
Hornblende
Open Cut No. 6
Cover
80°
Schist
Hornblende
P-13 5 ft. wide
Gold-0.02 oz.
Silver-0.20 oz.
P-14 5 ft. wide
Gold-0.02 oz.
Silver-0.20 oz.
Platinum-None
P-15 5 ft. wide
Gold-0.04 oz.
Silver-0.15 oz.

Red shows mineralization
Blue indicates movement

Geological Sketches
Open Cuts on Pikes Prospect
Valdez Creek District, Alaska
by Harry Townsend
Geological Survey
U.S. Dept. of Interior
Scale - 1 in. = 50 ft.
September 1926
Sheet 2

Open Cut No. 5 Ap. Ely 3965'

Ely LE Stake
MN Lode

NE Cor Anchorage Lode No. 8
NW Cor Anchorage Lode No. 8
SWCE of NE Ext. of Anchorage Lode No. 8
Ap. Ely 3920'

See Sheet 2 for
geology and as-
say results

Open Cut No. 4
Ap. Ely 3970'

Open Cut No. 3
Ap. Ely 3925'

Open Cut No. 2
Ap. Ely 3925'

Open Cut No. 1
Ap. Ely 3925'

Mineral site stake
Ap. Ely 3700'

Compass Survey Plan
Open Cuts on Rowless Pt. Spent
Valdez Creek District, Alaska
by Harry Townsend
Geological Survey
U.S. Dept. of the Interior
Scale - 1 in. = 100 ft.
September, 1926

Sheet 1

Red shows mineralization
Blue indicates movement

Geological Sketches
Open Cuts on Pikes Prospect
Valdez Creek District, Alaska
by Harry Townsend
Geological Survey
U.S. Dept. of the Interior
Scale-1 in. = 50 ft.
September, 1926
Sheet 2

red shows
antimony
mineralization
green represents
serpentine schist

Geological Sketch
Stampe Minor Outcrop
Kamti District, Alaska
by Harry Townsend
Geological Survey
U.S. Dept. of the Interior
Scale - 1 in. = 10 ft.
September, 1926

AP Ely
 4400'
 Hornblende
 18 in.
 90°
 90°
 Quartz vein 18 in.
 Quartz vein 2 to 12 in.
 Open Cut
 Barbara F. Claim
 P-17 18 in. wide
 Gold - 0.01 oz.
 Silver - 0.10 oz.

AP Ely
 4600'
 P-18 3 ft wide
 Gold - 0.04 oz.
 Silver - 0.10 oz.
 80°
 Sheared
 schist
 Hornblende
 diorite
 Open Cut
 H. I. Junior Claim

Red shows mineralization
 Blue indicates movement

Geological sketches
 Open Cuts on Staser Prospect
 Valdez Creek District, Alaska
 by Harry Townsend
 Geological Survey
 U.S. Dept. of the Interior
 Scale - 1 in. = 10 ft.
 September, 1965

B-4 Specimen from
dump of caved cut
Gold-Trace
Silver-2.30oz.
Lead-31.37%
Zinc-27.60%
Copper-None

Red shows mineralization
blue indicates movement

er-None Geological Sketch
New Workings on Jiles Claim
Copper Mountain District, Alaska
by Harry Townsend
Geological Survey
U.S. Dept. of the Interior
Scale - 1 in. = 50 ft.
September, 1926

Stampede Antimony

Outcrop

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- Red shows stibnite mineralization
- Blue indicates movement
- Green represents schist

Geological Sketch
Stampede Antimony Main Outcrop
Kantishna District, Alaska
by Harry Townsend
Geological Survey
U.S. Dept. of the Interior
Scale - 1 in. = 10 ft.
September, 1926

Open
Cut
No 5

Ap. Ely
3965'

Ely CE Stake
MN Lode

See Sheet 2 for
geology and as-
say results

NE Cor. Anchorage Lode No 2
NW Cor. Anchorage Lode No 1
SWCE of N Ext. of Anchorage Lode No 2
Ap Ely 3920'

Open Cut No. 3
Ap. Ely 3755'

Open Cut No. 2

Open Cut No. 4
Ap. Ely
3870'

Open Cut No. 1
Ap. Ely
3785'

Tunnel site stake
Ap. Ely 3700'

Compass Survey Plan
Open Cuts on Powless Prospect
Valdez Creek District, Alaska
by Harry Townsend
Geological Survey
U.S. Dept. of the Interior
Scale - 1 in. = 100 ft.
September, 1926

Sheet 1

KX
67-28

Schist
 Hornblende
 P-1 5 ft. wide
 Gold-0.030z.
 Silver-0.050z.
 P-2 4 ft. wide mostly quartz
 Gold-0.04 ounces
 Silver-0.10 ounces

Open Cut
 Cover
 P-3 3 ft. wide
 Light shearing
 Gold-0.020z.
 Silver-0.020z.
 P-4 3 ft. wide
 Heavy shearing
 Gold-0.030z.
 Silver-0.100z.
 P-5 3 ft. wide
 Gold-0.010z.
 Silver-0.050z.

Hornblende
 P-6 6 ft. wide
 Gold-0.040z.
 Silver-0.150z.
 Schist
 Hornblende
 P-7 7 ft. wide
 Gold-Trace
 Silver-Trace

P-7 7 ft. wide
 Gold-Trace
 Silver-Trace
 Schist
 Hornblende
 Open Cut
 No. 4
 See Sheet 1

Cover
 Twisted
 Schist
 Hornblende
 diorite
 Open Cut
 No. 6
 P-15 5 ft. wide
 Gold-0.040z.
 Silver-0.200z.
 P-14 3 ft. wide
 Gold-0.020z.
 Silver-0.100z.
 Platinum-None
 P-13 6 ft. wide
 Gold-0.040z.
 Silver-0.150z.

P-8 3 ft. wide Gold-0.020z.
 Silver-0.100z.
 P-9 8 ft. wide Gold-0.010z.
 Silver-0.100z.
 P-10 10 ft. wide
 Gold-Trace
 Silver-Trace
 Platinum-None
 P-11 11 ft. wide Gold-0.020z.
 Silver-0.100z. Platinum-None
 P-12 6 ft. wide Gold-0.0360z.
 Silver-0.600z.

Hornblende diorite
 P-15 5 ft. wide
 Gold-0.040z.
 Silver-0.200z.
 P-14 3 ft. wide
 Gold-0.020z.
 Silver-0.100z.
 Platinum-None
 P-13 6 ft. wide
 Gold-0.040z.
 Silver-0.150z.

Red shows mineralization
 Blue indicates movement

Geological Sketches
 Open Cuts on Powless Prospect
 Valdez Creek District, Alaska
 by Harry Townsend
 Geological Survey
 U.S. Dept. of the Interior
 Scale - 1 in. = 50 ft.
 September, 1926

Open
Cut
No. 5 { Ap. Ely
3965'

□ Ely CE Stake
MN Lode

NE Cor Anchorage Lode No. 2
NW Cor Anchorage Lode No. 1
SWCE of N Ext. of Anchorage Lode No. 2
□ Ap Ely 3920'

See Sheet 2 for
geology and as-
say results

Open Cut No. 3
Ap. Ely 3755'

Open Cut No. 2

Open Cut No. 4
Ap. Ely
3870'

Open Cut No. 1
Ap. Ely
3185'

□ Tunnel site stake
Ap. Ely 3700'

Compass Survey Plan
Open Cuts on Powless Prospect
Valdez Creek District, Alaska
by Harry Townsend
Geological Survey
U.S. Dept. of the Interior
Scale - 1 in. = 100 ft.
September, 1926

Sheet 1

See Sheet 1

Red shows mineralization
 Blue indicates movement

Geological Sketches
 Open Cuts on Powell's Prospect
 Valdez Creek District, Alaska
 by Harry Townsend
 Geological Survey
 U.S. Dept. of the Interior
 Scale - 1 in. = 50 ft.
 September, 1926

Red shows
antimony
mineralization
Green represents
schist

Geological Sketch
Stampele Minor Outcrop
Kantishna District, Alaska
by Harry Townsend
Geological Survey
U.S. Dept. of the Interior
Scale - 1 in. = 10 ft.
September, 1926

AP Elev.
4400'

Quartz vein 18 in.
Quartz vein 2 to 12 in.

Open Cut
Barbara F. Claim

P-17 18 in. wide
Gold - 0.01 oz.
Silver - 0.10 oz.

AP Elev.
4600'

P-18 3 ft wide
Gold - 0.04 oz.
Silver - 0.10 oz.

Open Cut
H.I. Junior Claim

Red shows mineralization
Blue indicates movement

Geological Sketches
Open Cuts on Staser Prospect
Valdez Creek District, Alaska
by Harry Townsend
U.S. Dept. of the Interior
Scale - 1 in. = 10 ft.
September, 1925