

D. BARCLAY

019447

HE

FIELD BOOK

22 0024

Geochemical Results of Silt Samples - for Kulan and Barclay (code K)

Sample	Intensity		ppm
	Rubeanic	Dithizone	
K-1			
K-2	0	75	
K-3	0	125	
K-4	0	25	
K-5	0	50	
K-6	0	40	
K-7	1	75	
K-8	0	0	
K-9	0	75	
K-10	0	0	
K-11	trace	25	
K-12	trace	100	
K-13	trace	25	spring
K-14	trace	50	
K-15	trace	75	
K-16	0	0	
K-17	0	25	
K-18	0	40	
K-19	1	75	
K-20	0	15	
K-21	0	50	
K-22	trace	1000+	
K-23	3	125	
K-24	4	500	
K-25	1	125	
K-25A	trace	200	
K-26	0	500+	
K-27	0	500+	
K-28	0	700	
K-29	0	100	
K-30	0	406	contaminated water

	Rub	Diz	
K-31	0	100	
K-32	0	150	
K-33	0	25	
K-34	trace	40	
K-35	0	40	
K-36	0	15	
K-37	trace	40	
K-38	1	50	
K-39	trace	50	
K-40	1	50	
K-41	1	0	
M-1	trace	75	} little
M-2	1	175	} Salman
W-1	3	75	white horse
K-42	0	0	
K-43	0	30	
K-44	0	75	
K-45	2	250	
K-46	trace	400	
K-47	0	1000+	
K-48	0	175	
K-49	trace	1000+	
K-50	trace	250	
K-51	3	1000++	silt Van. creek
K-52	4	1000++	
K-53	trace	125	500 above Dix on cr.
K-54	1	200	str silt
K-55	2	125	" "
K-56	3	100	soil from hill
K-57	1	100	str. silt
K-58	trace	75	str silt (coarse)
K-59	trace	50	str silt
K-60	0	1000+	" "
K-61	2	75	" "
K-62	trace	75	" "

under tree permf. veg. in sample soil

above rusty swamp

Sample No	Rubeanic	Dithizone
K-63	0	Str. silt. 75 (Coarse)
K-64	Trace	" " 75
K-65	3	mud slide 75
K-66	2	str silt 50
K-67	0	" " 50
K-68	1	" " 250
K-69	Trace	" " 75
K-70	Trace	" " 50 N side Van Cr
K-71	3	" " 1000 ⁺⁺ From Van Cr
K-72	Trace	silt 0 From side hill
K-73	0	str silt 50
K-74	0	soil 0
K-75	Trace	" 50
K-76	0	" 150
K-77	Trace	Str. silt 50
K-78	1	" 0
K-79	1	100
K-80	Trace	0
K-81	0	75
K-82	0	0
K-83	0	Coarse 100
K-84	0	" 50
K-85	Trace	" 100

Detail Work	Aug 7/64
K-86	str silt } veg in sample
K-87	" " } creek from anomaly
K-88	" "
K-89	" "
K-90	" "
K-91	" "
K-92	" "
K-93	" "
K-94	" "

Sample No	Rubeanic	Dithizone
K-95		str silt
K-96		" "
K-97		" "
K-98		" "
K-99		soil Coarse
K-100		str "
K-101		str "
K-102		str "
By - Dea Claims		
K-103		str "
K-104		" "
K-105		" "
K-106		" "
K-107		" "
K-108		" "
K-109		" "
K-110		" "
K-111		" "
K-112		" "
K-113		" "
K-114		" "
K-115		" "
K-116		" "
K-117		" "
K-118		" "
K-119		" "
K-120		" "
K-121		" "
K-122		" "
K-123		" "
K-124		" "
K-125		" "
K-126		" "
K-127		" "

June 21/64 -

Variable

Fault zone bearing 260°

Silt samples K-23 & 24 taken in
drainage of above zone.

K-29 & K30 From undrinkable water
area at end of Eastern most North
South base line

Maclary Acklack - 9 claims

14th
15th
16th

Line cutters	Footage	& time
Aug 15 th	- cut 4500'	also slash 1500'
	for chain & compass traverse (survey) to establish base point	
Aug 16 th	R. Etzel } W. Peter }	3900 } 8900
	G. Sterriah } J. Olie }	5000 }
Aug 17 th	R. Etzel } W. Peter }	1000' raining
	D. Barclay } J. Acklack }	staked Carol #1, 2, 3 at 59°
	A. Charlie }	300' L 1200' R picket line witness No #2 post of Carol #3 600'
Aug 18 th	R. Etzel } W. Peter }	4600
Aug 19 th	R. Etzel } W. Peter } A. Shorty } J. Ladue }	8000'
Aug 20 th	- packing camp up hill to lake 4 men	
Aug 21 st	R. Etzel } W. Peter } A. Shorty } J. Ladue }	3000'

~~Aug 22~~
R. Etzel }
W. Peter }
A. Shorty }
J. Ladue }

8700

~~Aug 23~~
R. Etzel }
W. Peter }
A. Shorty }
J. Ladue }

10000

~~Aug 24~~
W. Peter }
R. Etzel }
A. Shorty }
J. Ladue }

13000

Aug 25/ Raining no line cut

Aug 26/
169
W. Peter }
R. Etzel }
A. Shorty }
J. Ladue }

11000

Aug 27/64
W. Peter }
R. Etzel }
A. Shorty }
J. Ladue }

Raining no line

Aug 28/64
W. Peter }
R. Etzel }
A. Shorty }
J. Ladue }

10800

Aug 15th

Stn	Slope	Slope Dist	Horiz Dist	0°	
0-1	-12	79.7	72.9	147°	.6
1-2	-3	123.9	123.9	150°	.2
2-3	+2	167.5	167.5	149°	1.0
3-4	+1°	37.5	37.5	174°	1.0
4-5	0	118.8	118.8	156°	.4
5-6	-1°	199.7	199.7	152°	.6
6-7	+10°	97.7	96.0	145°	.2
7-8	+6°	92.9	92.3	151°	1.2
8-9	+4	103.7	103.3	152°	1.4
9-10	+2°	101.6	101.6	140°	
10-11	+3°	127.4	127.4	140°	
11-12	+4	99.8	99.5	140°	
		<u>1350.4</u>	<u>1340.4</u>		7.6

101.6
127.4
99.5
328.5

8000
0000
8700
0000
13000
14000
69500

kerr claim line 149°

53700
13000
66700

3500
8900
1000
4600
8000
27000
8000
35000
2700
43700

Kerr line - 215°

Dy - 233° 234° 54°

7-11 - 4° on crossline

claim crosses base line A

at 28+00 SE

Base line A at 135° at 0+00 SE

Claim line at 58° also at 30+00 SE

199	234		
90	180		
<u>59</u>	54		

	79.7		
	<u>.978</u>		
-12	.978		
-10	.984		
6	.994		
4	.997		
	<u>6376</u>		
	5579		
	<u>7173</u>		
	729466		
		103.7	
		<u>.997</u>	
		7259	
		<u>9333</u>	
		9333	
		<u>1033889</u>	
	97.7		
	<u>.984</u>		
	3908		
	<u>3716</u>		
	8361		
	<u>8793</u>		
	99.8		
	<u>.997</u>		
	6986		
	<u>8361</u>		
	96.0368		
	8982		
	<u>8982</u>		
	923426		
		<u>995006</u>	

Aug 19

D-1

Outcrop on claim line beside
lake North side 200' from
lake

D-2 1000' from D₁ on claim
line (N direction)

D-3 on claim line near top
of base line of old grid

Aug 22/claim line of Sea group
crosses 0 + 0° N CVL at 53 W

Aug 23/64 Rec. chert body
striking 100° dip 41° S

Aug 29 Joe Dick - George Bob arrived
main camp

Aug 30 Move To Moose Lake
Camp Prepare Camp
cut firewood, check grid

Aug 31 Joe Dick } 5600
Geo. Bob }

Sept 1/64 Joe Dick } 4300
Geo Bob }

Sept 2/64 Joe Dick } 3000
Geo Bob }

Sept 3/64 Joe Dick } 3100
Geo Bob }

Sept 4/64 Joe Dick } 7600
Geo Bob }

Sept 5/64 Joe Dick } 900
Geo Bob }

5600
9600
4300
27000
40900

5600
4300
3000
3100
7600
23600

7325 5600
75 4300
71.50 3000
276.00 3100
19.00
245.00

12

12250 24.5
24 5
2 | 146.50 122.50
73.25 122

Line 16W at ¹⁵ ~~15~~+61W on main
base line - A# 15+10W on 15N
Line

Line 24W at 23+5 at main
base line at 22+25 on 15N
Line

Line 32W at 33+57W on
main line - at 32+98W on
15N line

Line 40W at 40W on main
base line at 40W on 15
N line

Line 48W at 47+72W on
main Base line at 48W
on 15N line

Line 0-W at 11+94S and
23+96W at S B.P.

Line 8E at ~~9~~ 9+17E on
base line

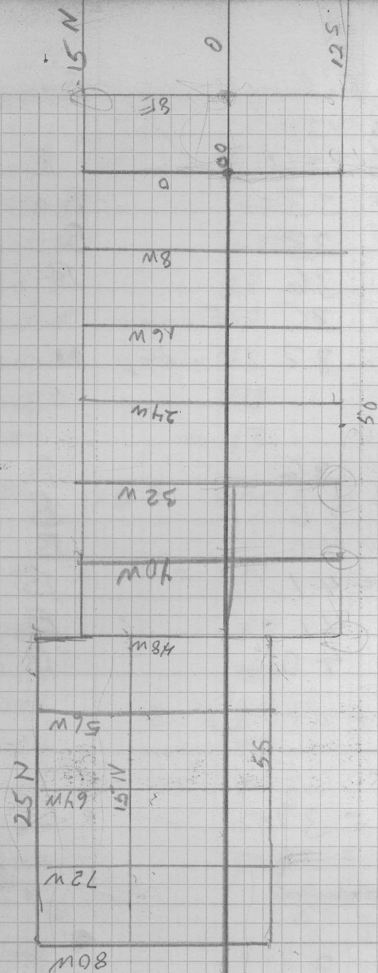
Line 8E jog 17.5' E on
S side

* Line NS at 77+89W

0-1 10.10
1-2 11.12
2-3
3-4
4-5
5-6
6-7
7-8
8-9
9-10

17 76

Scale 1" = 2000'



	Reading	Reading	Samples
30 S. check	34		
✓ 3056	36		B
✓ 3057	33		Ba
✓ 3058	33		B
✓ 3059	36		B
✓ 3060	35	Swamp	Nil.
✓ 3061	37	Swamp	N

26 S	✓ 3062	36	B
	3063	36	B
	3064	40	B
	3065	41	B
	3066	41	B
	3067	40	B

Out at 26 S

~~26 S~~

Check 26 S = 39

Check 24 S = 38

~~check 22 S = 38~~

check 22 S = 38

22 S	✓ 3068	39	B
	✓ 3069	38	B
	✓ 3070	40	B
	✓ 3071	38	B0
	✓ 3072	39	SWAMP
	✓ 3073	42	SWAMP

	Reading	Reading	Samples
185 - V 3074			
185 - V 3074	54		B
V-3075	44		Swamp/Vil
✓ 3076	41		B
✓ 3077	40		B
✓ 3078	42		B
✓ 3079	43		Bc
✓ 3080	44		B
Check 185	= 43		

OOT AT 16 S check 16 = 41

check 14 = 41

14 S	✓ 3081	47	B
	✓ 3082	46	B
	✓ 3083	44	Swamp
	✓ 3084	43	B
	✓ 3085	44	Ba
	✓ 3086	50	Swamp
	✓ 3087	52	B

10 S	✓ 3088	49	B
	✓ 3089	51	B
	✓ 3090	50	Swamp
	✓ 3091	51	B
	✓ 3092	50	B
	✓ 3093	49	B
	✓ 3094	49	B

out at 9

check 10 S = 55
check 12 S = 52

check	Reading	Samples
85	5.5	
check 105	5.5	B.
65		
V3095	5.4	B
V3096	5.4	B
V3097	5.7	B
V3098	5.7	B
V3099	5.8	B
V3100	5.9	B
V3101	5.9	B
V3102	5.8	B
V3101	V3101	5.8
V3102		
V3103	5.8	B
V3104	6.0	B
42 S		
V3103	4.7	B
V3104	4.6	B
V3108	5.0	B
V3106	4.6	Bc
V3107	4.5	B
V3108	4.4	B
V3109	4.2	B
V3100	4.5	B
V3111	4.6	B

check 65 = 56

check	Reading	Samples	#
65			
3124	35	B	
3118	35	B	
3114	42	B	
3115	48	B	
3116	47	Swamp	
3117	31	Swamp	
3118	30	B	
3119	85	Bg	1
3120	55	Frozen	
3121	2210	Frozen	
3122			
25			
3122	2193	B	
23	91	Bc	
24	97	Frozen	
25	98	B	
26	99	Bc	
27	22512	B	
28	LAKE		

Geo	Dave	Dave	Geo	Geo	Dave
1	1	2	1	2	3
2	17	3	2	3	19
20	19	35	4	4	21
21	20	25	10	5	23
23	32	27	10	6	25
35	33	37	14	7	26
39	47	42	18	8	26
39	48	43	21	9	28
56	50	53	26	10	27
56	57	57	27	11	28
67	59	57	31	12	28
71	62	57	31	13	29
76	75	57	68	14	29
81	80	58	57	15	24
85	82	58	57	16	28
85	88	58	57	17	28
107	92	58	74	18	28
107	98	58		19	28
107	110	58		20	28
107	110	58		21	28
107	118	58		22	28
117		112		23	28
118				24	28

Dave	Geo
2	3
8	4
11	5
14	6
23	7
24	8
28	9
39	10
43	11
47	12
50	13
59	14
63	15
64	16
66	17
72	18
84	19
86	20
90	21
100	22
101	23
103	24
	106
	108
	119

July 20/64

147
96
51

Line cutters arrive from ^{river} BM.

July 21/64 Plane Day

4 Cutters (slack day)

4000

July 22/64
Packing, trailwork, camp
preparation

July 23/64

2 men tent frame

2 men cutting

George S

John O

} 5600

July 24/64

4 men cutting

Olie

G. Stearns

R. Etzel

W. Peter

July 25

4 cutters

8100

July 26

4 cutters

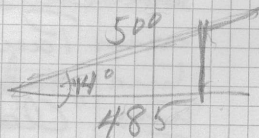
8500

500
970

35000

51500

485000



June 14

From McCrae's camp over burn
to Swain J. Cr. — passed two creeks
and the third creek at a grass
field (300' long Az 290°)

Claim Line Jim Dodg
No. Post for Lee 546
at same place as Bob
No. posts for 940
Claim lines coincident
North
Old Vanguarda posts about
70' South. 66658-59-57-56

REAGENTS

DITHIZONE in xylene 0.01 percent stock solution. Prepare a stock solution by dissolving 0.01 gram of dithizone in 100 ml of xylene approximately 12 hours before using.

DITHIZONE in xylene 0.003 percent work solution. Prepare a work solution of 0.003 percent by diluting 30 ml of the stock solution to 100 ml with xylene. The strength of the work solution may be further diluted to 0.001 percent if greater sensitivity is desired.

Dithizone solutions should be as fresh as possible when used. Vials containing 0.01 g dithizone should be prepared before leaving for the field to facilitate the preparation of fresh solutions. If the dithizone solutions develop yellow hues, the reagent may have deteriorated.

SOLUTION A. Dissolve 25 g of ammonium citrate and 4 g of hydroxylamine hydrochloride in about 300 ml of water. Add concentrated ammonium hydroxide until the solution has a pH of about 8.5, as indicated on pH test paper, and dilute to 500 ml with water. Remove heavy metals by extracting the solution with about two 15-ml portions of 0.01 percent dithizone or until the final colour of dithizone is green. Wash the aqueous solution with 25 ml portions of chloroform, until the chloroform is colourless.

PROCEDURE

Place one scoopful of sample (preferably fine fraction) in a 25-ml glass-stoppered cylinder. Add 5 ml of solution A, 1 ml of 0.003 percent dithizone solution, and shake vigorously for 5 seconds. Allow 30 seconds for the layers to separate and observe the colour of the upper (xylene) layer. If the colour is green, green-blue, blue, or blue-purple, record as 0.1, 0.2, 0.3, or 0.4 ml, respectively. If the colour is purple to red, titrate with about 1-ml increments of dithizone solution, shaking for 3 seconds after each addition, until a blue-purple colour is obtained. Record the volume of dithizone solution as an index of the heavy-metal content.

COPPER

Use about 1 g of sample instead of 0.1g; add 1 ml of dithizone and 5 ml of solution A to the cylinder, and shake vigorously for 5 seconds. A brown colour in the xylene layer, which will turn to wine purple upon the addition of more dithizone, indicates a predominance of copper.