

YEIP
97-050
1997

Yukon Territorial Government
Exploration Incentive Program

Target Exploration

Seattle Creek Bulk Placer Test

May 1, 1997 -- Nov. 1, 1997

P16231---P16253

Latitude 63 45' -- 64 00'

Longitude 136 00' -- 136 30'

Quartz claim sheet 115P-16

Prepared by Dan Klippert

97-050

1997 BULK PLACER GOLD EXPLORATION: TARGET

LOCATION

The Seattle Creek placer claims are located approximately 50 miles north-northwest of Mayo, Yukon. It is accessible by a 4-wheel drive road which branches off the South McQuesten road and follows upstream on Ross Creek. (see Location map)

GEOLOGY

Recent 1:50 000 scale mapping by Murphey and Heon (1995) shows that the property lies in the immediate hanging wall of the Robert Service Thrust Fault, which has emplaced phyllite and meta-quartzite of the late Proterozoic-Early Cambrian Highland group over Keno hill Quartzite of Mississippian age. (see fig.#3)

All of the rocks on the property are mapped as Highland Group. They lie on the south limb of the east, north-east trending Anticline, the axis of which runs along the McQuesten River Valley 8.5 km north of the property. Foliation strikes generally east, north-east, parallel to the McQuesten Anticline. Discordant foliations and several strong air photo lineaments indicate that the property is cut by north-south faults or fracture zones which may have localised mineralising fluids.

The western property boundary lies approximately 1.3 km east of the Morrison Creek stock, a biotite granite body of Cretaceous age. Results of a regional aeromagnetic survey suggest that a buried intrusion or associated hornfels zone may extend beneath the south part of the property. (see fig. #3)

The 1997 bulk Placer test site is situated in the immediate drainage of the DCK claim block.

There is a strong possibility that the gold placers in the streams upper reaches have been eroded from these sources. A strong gold, arsenic and antimony anomaly has been identified approximately 2 km. upstream of the bulk test site. Float sulphide found in the test box strengthens the possibility. (see CHEMEX results 1997 Y.M.I.P. Hardrock report DCK Block)

WORK PERFORMED

During May of 1997, a 1 km. access from Seattle Creek camp, to the 1997 bulk placer site, had to be repaired. A trail for the D8K Cat bulldozer, 235 cat excavator and the 992 Cat loader had to be constructed beside the creek from the camp to the test site. The heavy machinery was ruining the 4X4 access.

Trees, brush and overburden from the test site were initially pushed with the D8K bulldozer to the 235 hydraulic excavator, which stacked the material. The bulldozer pushed the material again trying to make ramps for the rubber tired loader to haul waste from test area. Soft ground conditions in the waste area dictated the use of the tracked machinery. The majority of the test trench was cleared, drained and excavated through April and May. During the fall we were able to walk the loader to the site and complete the test. (see fig. 2)

Several days were spent hauling the clay laden gravel waste with the loader. The dozer and excavator pushed and hauled material to and from the loader. The test trench measured 400 feet long x 30 feet wide at its narrowest point and 150 wide at its central ramp area. The waste or tailing pile runs were 100 to 300 feet long. Bedrock was encountered at 18 feet.

A test pit dug several hundred feet upstream of this test during the 1996 season, reached a depth 20 feet, with no bedrock encountered. Perhaps the 1997 test trench reached bedrock on a bench or raised rim of bedrock

Due to time and budget restraints, a smaller bulk sample was washed then was proposed. Approximately 100 cu. yds was loaded onto a 10 ft. x 10 ft. wet grizzly with the 235 excavator, then down an 18 ft. x 3 ft. wide riffled sluice run. It was then hauled to the tailing pile with the 992 cat loader. A cross section of gravel from surface to bedrock was tested. (see fig #2)

RESULTS

The gravels at this location consist mainly of rock 6" to 12" with boulders up to 3' in diameter, pitted throughout a very thick tan clay matrix. The majority of the rocks were composed of phyllite, quartz and limestone, with a fairly worn and rounded appearance.

Gold recovered in the test sluice was very fine, flat and difficult to save with this style of plant. More gold was recovered from the second half of the sluice run than in the top half. The largest piece of gold recovered measured 1/4"x1/8"x1/64"thick. Ninety percent of the gold recovered was smaller than 1/16". The gold in this test is very encouraging and consistent. It suggests that there may be more abundant gold upstream and or to the left or right limits. The absents of coarse gold was a bit disappointing, however we believe that probably as much as 50% or more of the fine gold passed through this particular test box and could be saved with a classifying trommel wash system. Additional exploration will have to be carried out to determine if there is a mineable deposit above this test site.

Placer Gold : .37 grams per cubic yard

Sulphide float: 1/2" x 3/8"nugget and 10 pieces apprx... 1/4"round

Hematite: abundant ranging 1" to 1/8"round

Black sand : abundant

EQUIPMENT USED

D8K Cat bulldozer

235 Cat Excavator

992 Cat R/T Loader

8x6 diesel powered Pressure water pump

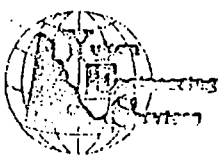
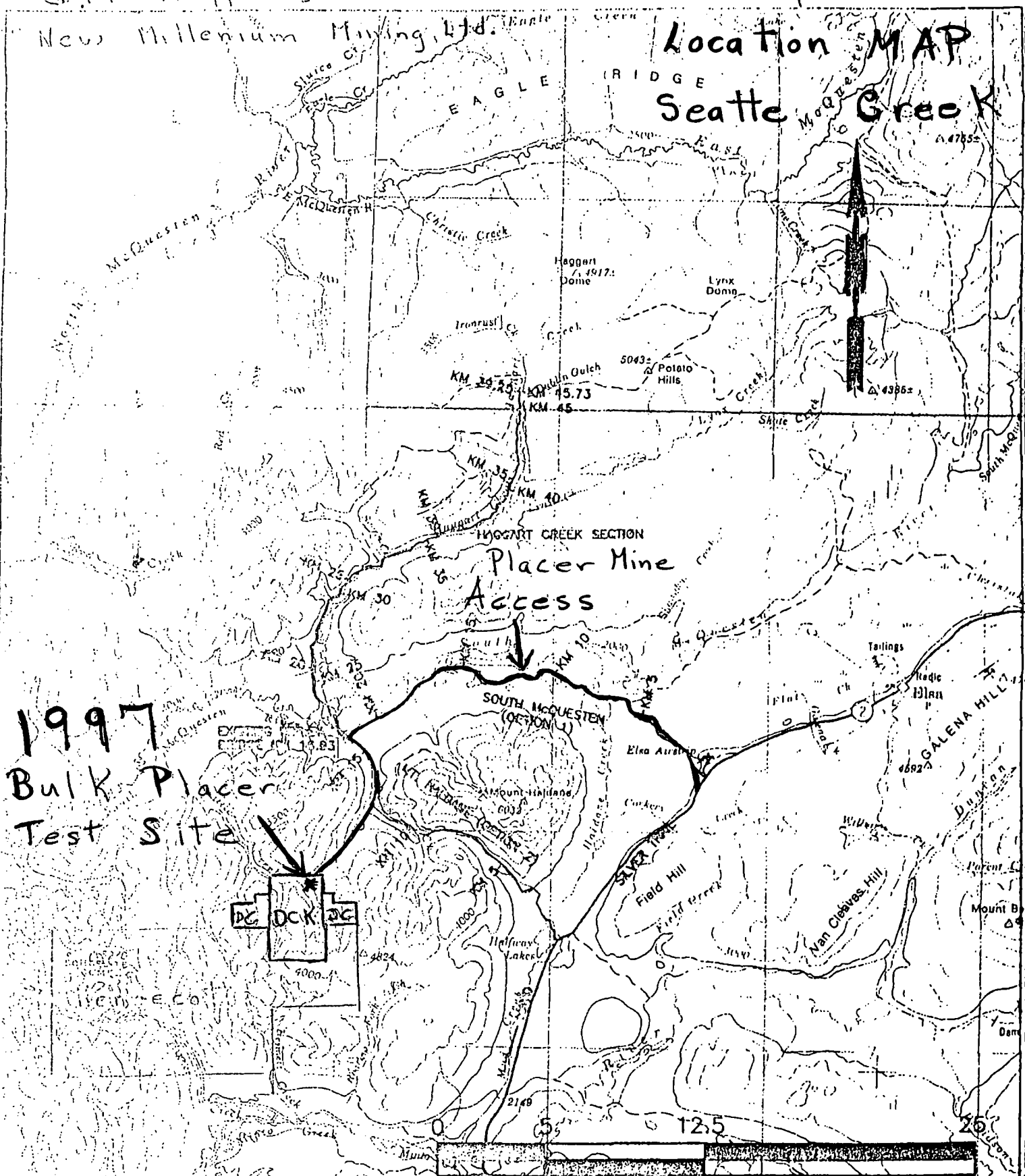
10x10 wet Grizzly with 18' sluice run.

4x4 Pickup

4x4 Quad

Dan Klippert's DCK claim block in respect to
New Millennium Mining Ltd.

Location MAP Seattle Creek










<p>SMITHSONIAN</p> <p>98025 (YES)</p> <p>C. AUSTIN</p> <p>R. HARVEY</p>	<p>NEW MILLENNIUM MINING LTD.</p> <p>DUBLIN GULCH ACCESS ROAD</p> <p>ACCESS ROAD OPTIONS</p> <p>SCALE 1:250,000</p> <p>SEPTEMBER 1998</p>
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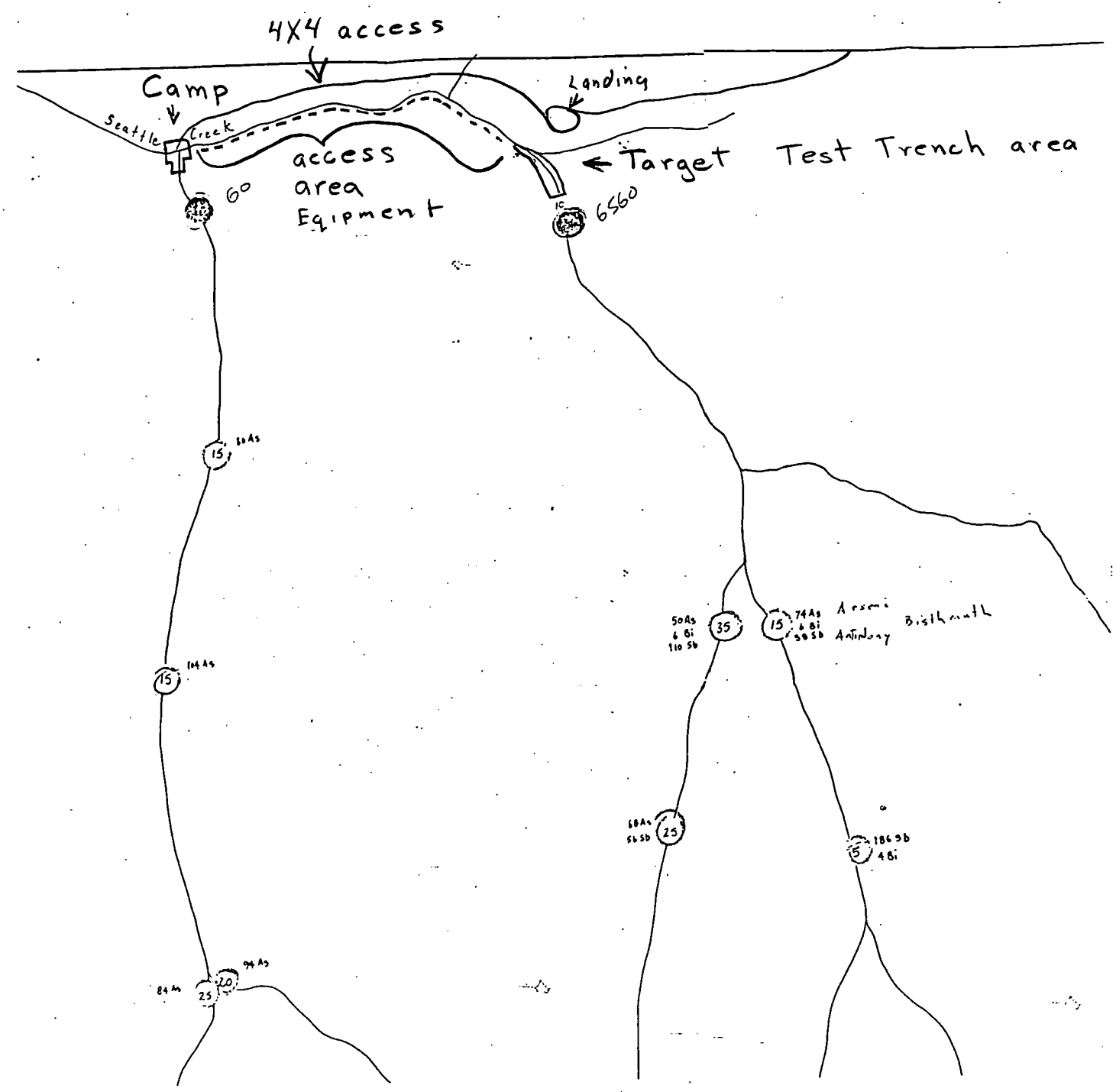
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Fig. # 1

SC CLAIMS
Rock and Stream Sediment,
Geochemistry
HSP/16
1:10000

LEGEND

-  - 53um stream sediment (analysis by G. McKay)
-  Heavy mineral concentrate - bulk stream sediment sample
-  - 80um fraction from HM sample (plotted only in absence of -53um anomaly)
-  Rock Float
-  Soil Sample
-  Outcrop - grab or rock chip
-  Subcrop
- Au (ppb) G-12
- Ag (ppm) Silver
- As (ppm) Arsenic
- Bi (ppm) Bismuth
- Sb (ppm) Antimony



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1997 Target
Bulk Placer Test

Landing

over burden
Tailing Pile
waste

← To Camp
Equipment Access

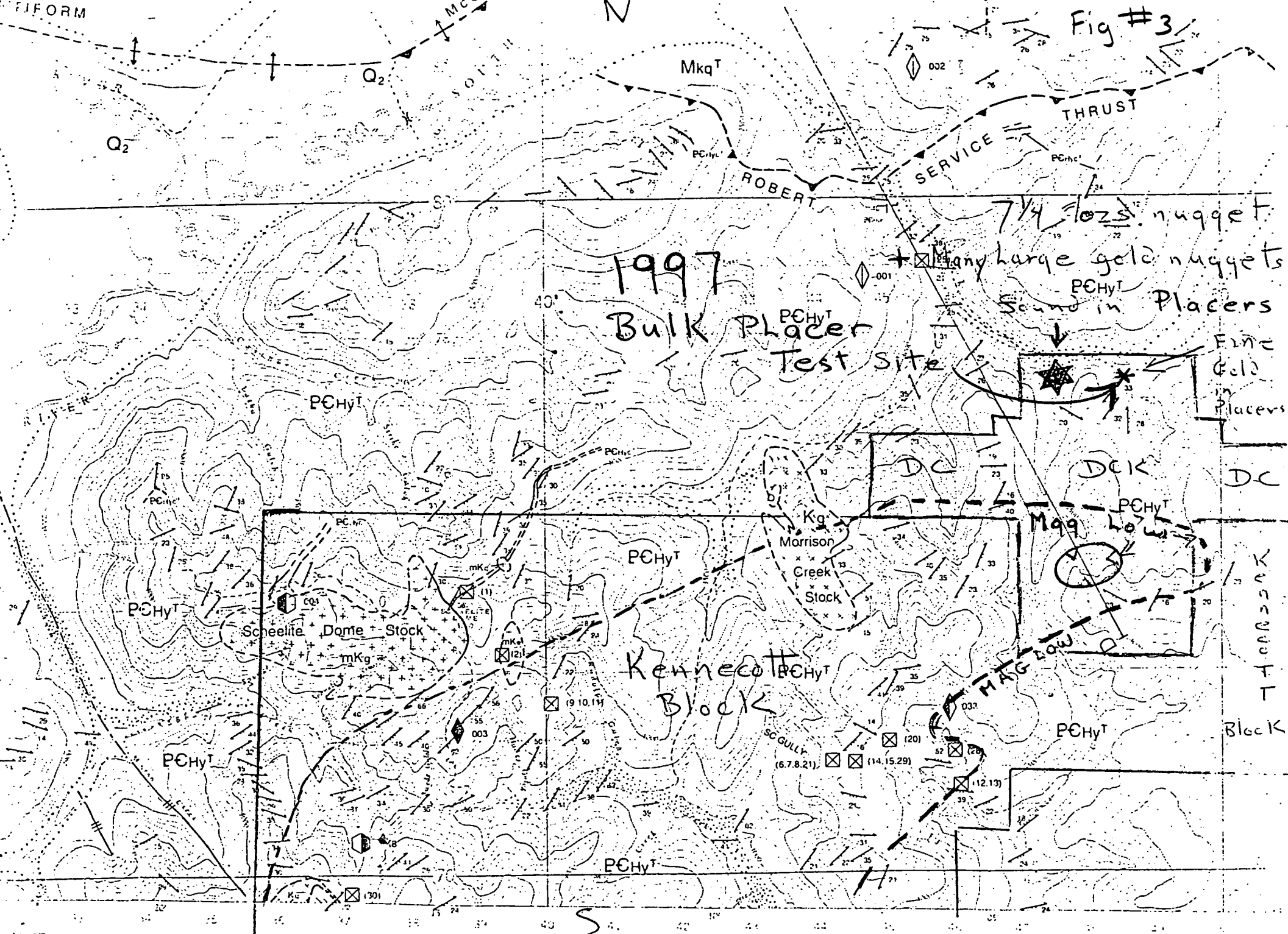
Ramp

Test Pit 18' deep Bedrock
Possible Bench or Rim rock

1996 Test hole
20' deep
No Bedrock

Canyonous
area

Seattle Creek →



INDIVIDUAL TIME SHEET

NAME Kasey WEEK ENDING _____

	JOB	KIND OF WORK	HRS.
FRIDAY	Sept & Oct '97	Wages	24 days @ 75. ⁰⁰
SATURDAY			
SUNDAY			
MONDAY			
TUESDAY			
WEDNESDAY	Pd Dec 18/97 Chg 748		
THURSDAY			

PAYMENT RECEIVED		TOTAL HRS.	
DEDUCTIONS	INCOME TAX	24	HRS @ 75
	UNEMPLOYMENT INS.		EX. HRS @
			TOTAL
		LESS	DEDUCTIONS
TOTAL		AMOUNT RECEIVED	

INDIVIDUAL TIME SHEET

NAME Justin WEEK ENDING _____

	JOB	KIND OF WORK	HRS.
FRIDAY	Sept & Oct '97		
SATURDAY			
SUNDAY			
MONDAY			
TUESDAY			
WEDNESDAY	Pd Dec 18/97 Chg 747		
THURSDAY			

PAYMENT RECEIVED		TOTAL HRS.	
DEDUCTIONS	INCOME TAX	21	HRS @ 75. ⁰⁰
	UNEMPLOYMENT INS.		EX. HRS @
			TOTAL
		LESS	DEDUCTIONS
TOTAL		AMOUNT RECEIVED	

Bulk test 97

April

D8K

235

Exc

1									
2									
3									
4									
Sat 5									
Sun 6									
7									
8									
9									
10									
11									
Sat 12	Stripping +	Ripping	Access	area				10	10
Sun 13	"	"	"	"	"	"	"	10	10
14	"	"	"	"	"	"	"	10	
15	"	"	"	"	"	"	"	10	
16									
17									
18									
Sat 19	Stripping +	Ripping	Access	to Target	From	Camp		10	10
Sun 20	Excavating	Test	trench					10	10
21	"	"	"					10	
22	"	"	"					10	
23									
24									
25									
Sat 26	Excavating	Test	Trench	(Target	area)			10	10
Sun 27	"	"	"	"				10	10
28	"	"	"	"				10	
29	"	"	"	"				10	
30	"	"	"	"				10	

D8K Bulldozer

130 hr @ 190⁰⁰/hr = 24,700⁰⁰

235 Excavator

60 hrs @ 190⁰⁰/hr = 11,400⁰⁰

Bulk Test 97

May

Hrs. Hrs.
D8K 235

1						
2						
Sat 3						
Sun 4						
5						
6						
7						
8						
9						
Sat 10	Excavating + Draining	Target	Area	10	10	
Sun 11	"	"	"	10	10	
12	"	"	"	10		
13	"	"	"	10		
14	"	"	"	10		
15						
16						
Sat 17						
Sun 18						
19	Excavating + Draining	Target	Area		10	
20	"	"	"	10		
21	"	"	"	10		
22						
23						
Sat 24						
Sun 25	Excavating + Draining	Target	Area	10	10	
26	"	"	"	10	10	
27	"	"	"	10		
28	"	"	"		10	
29						
30						
Sat 31						

D8K bulldozer 100 hrs @ $190^{\circ\circ}/hr = 19000^{\circ\circ}$ 235 Excavator 60 hrs @ $190^{\circ\circ}/hr = 11400^{\circ\circ}$

Bulk test 97

Hrs Hrs Hrs

September

23

EX

		992	D8K	
1	Hauling waste Bulk test site	5	5	
2	" " " " "	5	5	
3				
4				
5				
Sat 6	Pulled test sluice to site		5	
Sun 7	Pulled pump + materials required		5	
8				
9				
10				
11				
12				
Sat 13	Set test sluice + pump	5		10
Sun 14	Ran test cleaned box	5		10
15				
16	Demob			
17				
18				
19				
Sat 20				
Sun 21		20	20	20
22				
23				
24				
25				
26				
Sat 27				
Sun 28				
29				
30				



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DATE DUE

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