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**Location:** Reindeer Creek and drainage area

Approximately:

63° 40' N, 139° 30' W

NTS 115-0-11, 115-0-12

Stewart River 1:250000, Ogilve 711A

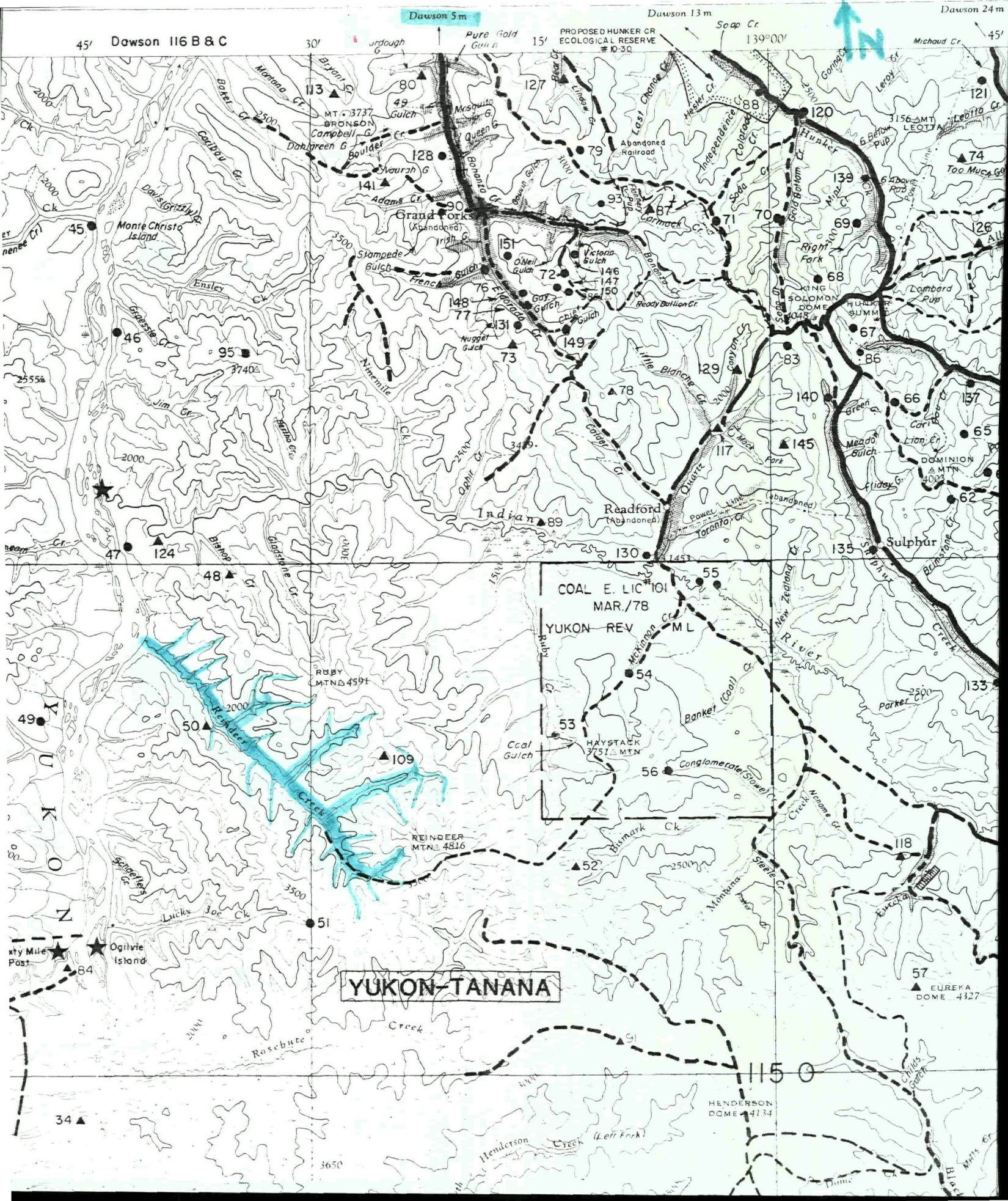
### **Access from Dawson City**

Yukon River: Approximately 38 miles upstream

Road: 90 miles via Dominion-Black Hills to  
Henderson Dome, travel from  
there limited to ATV

Air: 1 hour return trip







## SUMMARY

This prospecting program was undertaken in two stages. The first visit to the area was from June 8 to June 18/'92. Access was gained by boat from Dawson City on the Yukon River. The river was quite high with much debris in the main channel. I was accompanied by Bill Read of Dawson City. Temperatures were above normal for this time of year. Reindeer Creek itself was also quite high with numerous log jams where the creek meandered. Prospecting was limited to the bottom reaches of Reindeer Creek. The tributaries entering from north and south were sampled by panning stream gravels and examining outcrops for mineralization. We returned to Dawson on June 18.

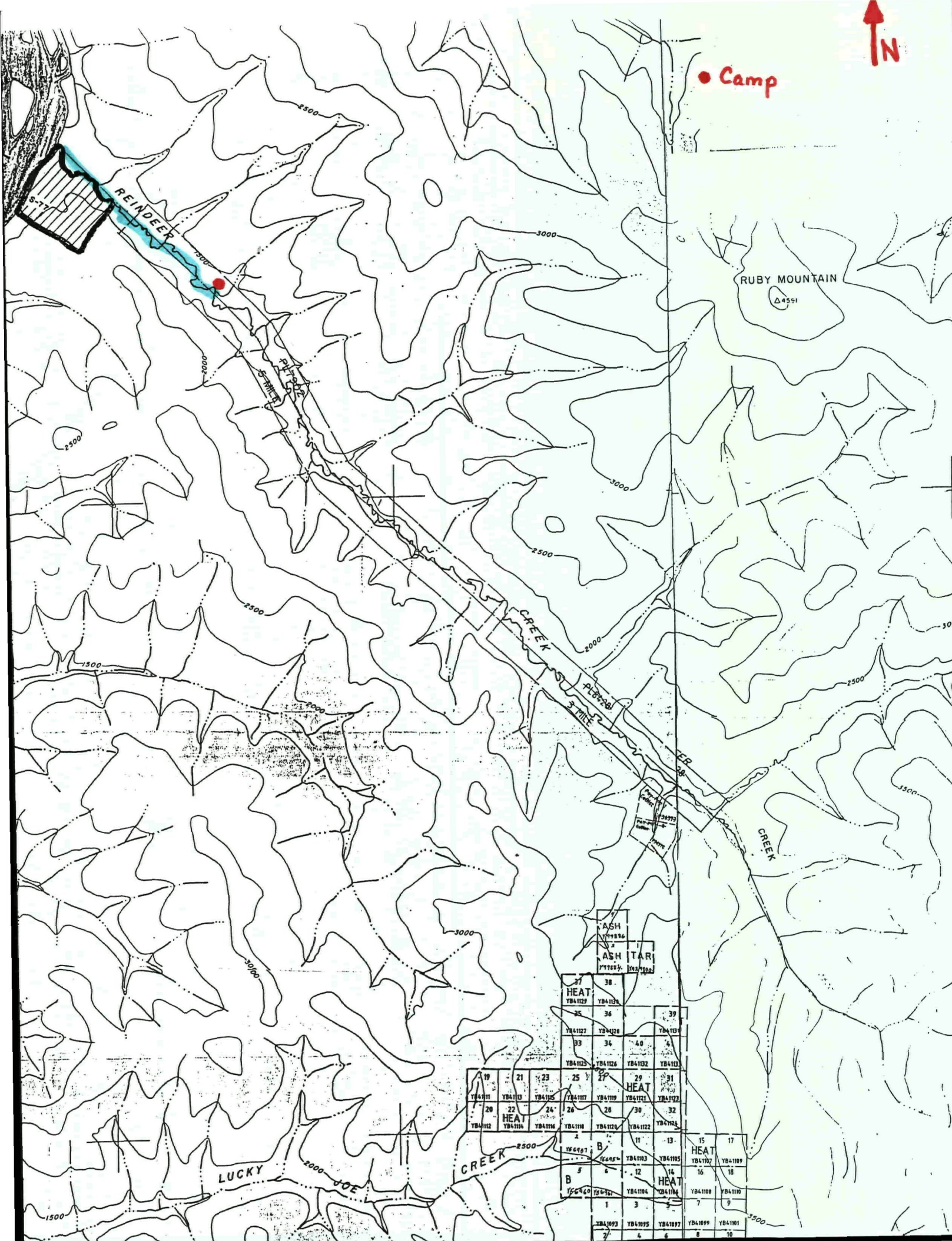
The second visit to the area was from Oct. 1-21. The conditions were less than favourable. There was approximately one foot of snow in the area and Reindeer Creek, though mostly frozen over, still had enough open water for panning. Temperatures were below normal for this time of year. The ground was still thawed adjacent to any water course and panning was accomplished on the tributaries by breaking the ice and panning the underlying stream gravels. Prospecting for mineralization on side hills and at outcroppings was not too difficult as the

snow covering accented any irregularities in the contours of the areas visited. A minimal amount of snow removal was required to inspect underlying geology. I was assisted by Mike Raible who gained access to Reindeer Creek by boat. I arrived by helicopter and was dropped approximately seven miles upstream from the mouth of Reindeer. Mike dug test pits on the lower end of Reindeer while I prospected the upper end. Mike returned to Dawson on Oct. 15 as considerable shore ice was beginning to accumulate on the Yukon River. I remained in the area until Oct. 20, then walked out to Indian River via Ruby – Reindeer Mountain ridge – Ruby Creek arriving at Indian River the evening of Oct. 21 arriving back in Dawson Oct. 22.

Panning was done from surface gravels along creek cut banks to water level and from surface gravels on exposed bars on the first visit to recover any heavy indicator minerals or gold that would encourage digging test pits later on. Checking for mineralization in outcrops was done by breaking into fresh rock and examining with 10X and 20X loupes. An altimeter was used to determine altitudes during the program.

**JUNE 8/'92      clear +18'**

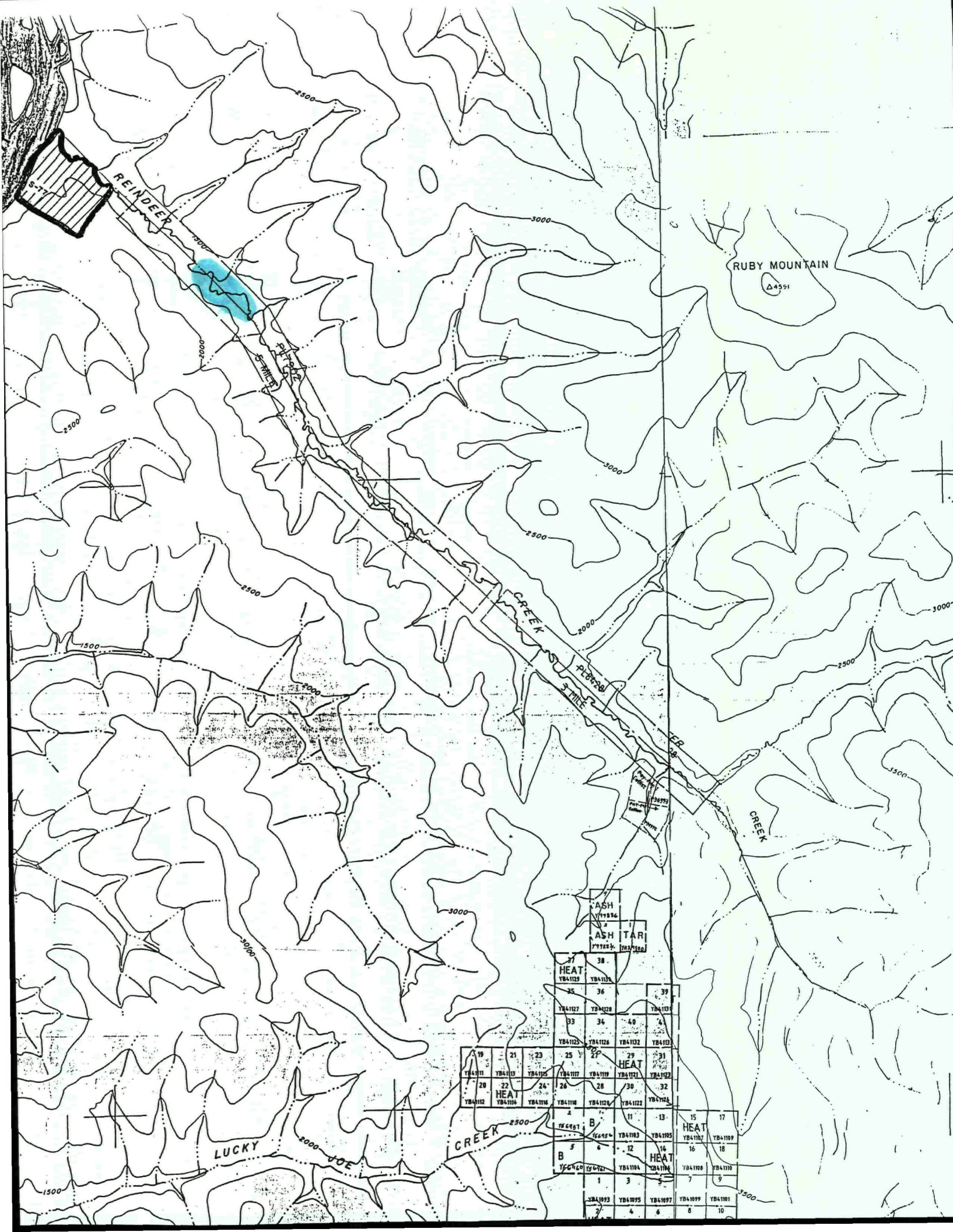
Arrived mouth of Reindeer Creek. Packed part of gear approximately 2 miles upstream from mouth and set up camp.



**JUNE 9      +28' scattered clouds**

Bill went downstream to get more gear while I examined outcropping around camp. Reindeer cuts granite gneiss that seems to have a silicious nature to it, the rock is very competent, no mineralization was observed along creek proper. Canyon starts at camp and Reindeer narrows for approximately 1 mile upstream meandering from granite outcrops intruding from both sides of the creek. Creek bank gravels consist of angular granites.





RUBY MOUNTAIN

Δ4591

REINDEER CREEK

CREEK

ASH

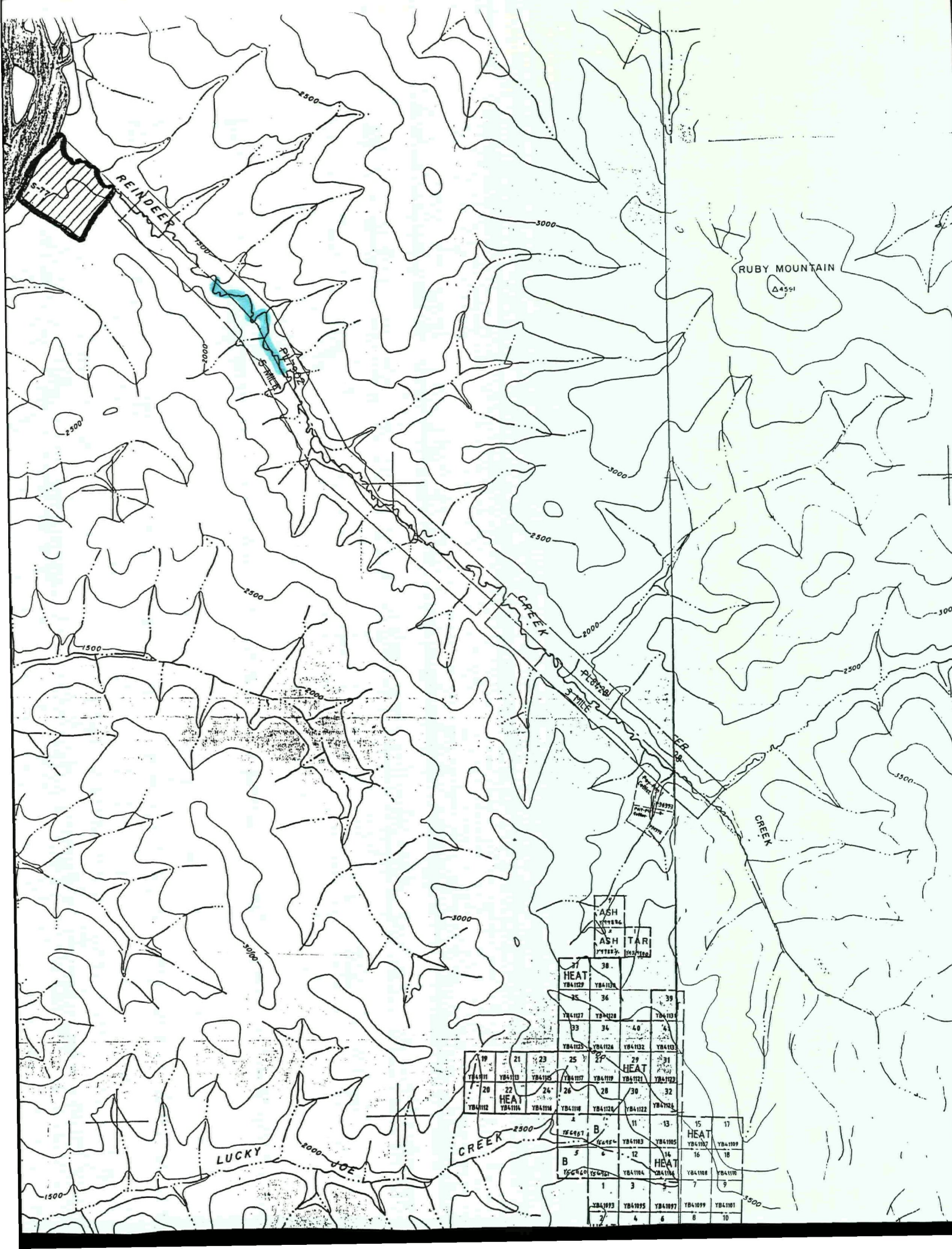
ASH TAR

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YB41127	YB41128	YB41129	YB41130	YB41131
33	34	40	41	42
YB41127	YB41128	YB41129	YB41130	YB41131
19	21	23	25	27
YB41111	YB41112	YB41113	YB41114	YB41115
20	22	24	26	28
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11	12	13	14	15
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1	2	3	4	5
YB41091	YB41092	YB41093	YB41094	YB41095
15	16	17	18	19
YB41106	YB41107	YB41108	YB41109	YB41110
7	8	9	10	11
YB41096	YB41097	YB41098	YB41099	YB41100

**JUNE 10    cloudy 23'**

Bill and I panned bank gravels and exposed bars for approximately 1 mile upstream from camp. Every pan yielded minor fine garnet and magnetite, no gold or sulphides. Pans were taken from surface to water level on creek banks and surface gravels on exposed bars. Granites at this point are gneiss and not as metamorphized as they are down at camp location. Spent the day in creek proper. No mineralization in granite exposures along the creek. Creek gravels are angular granites, none being larger than 1 foot in diameter.





RUBY MOUNTAIN

Δ4551

REINDEER

CREEK

STATE ST

CREEK

LUCKY

JOE

CREEK

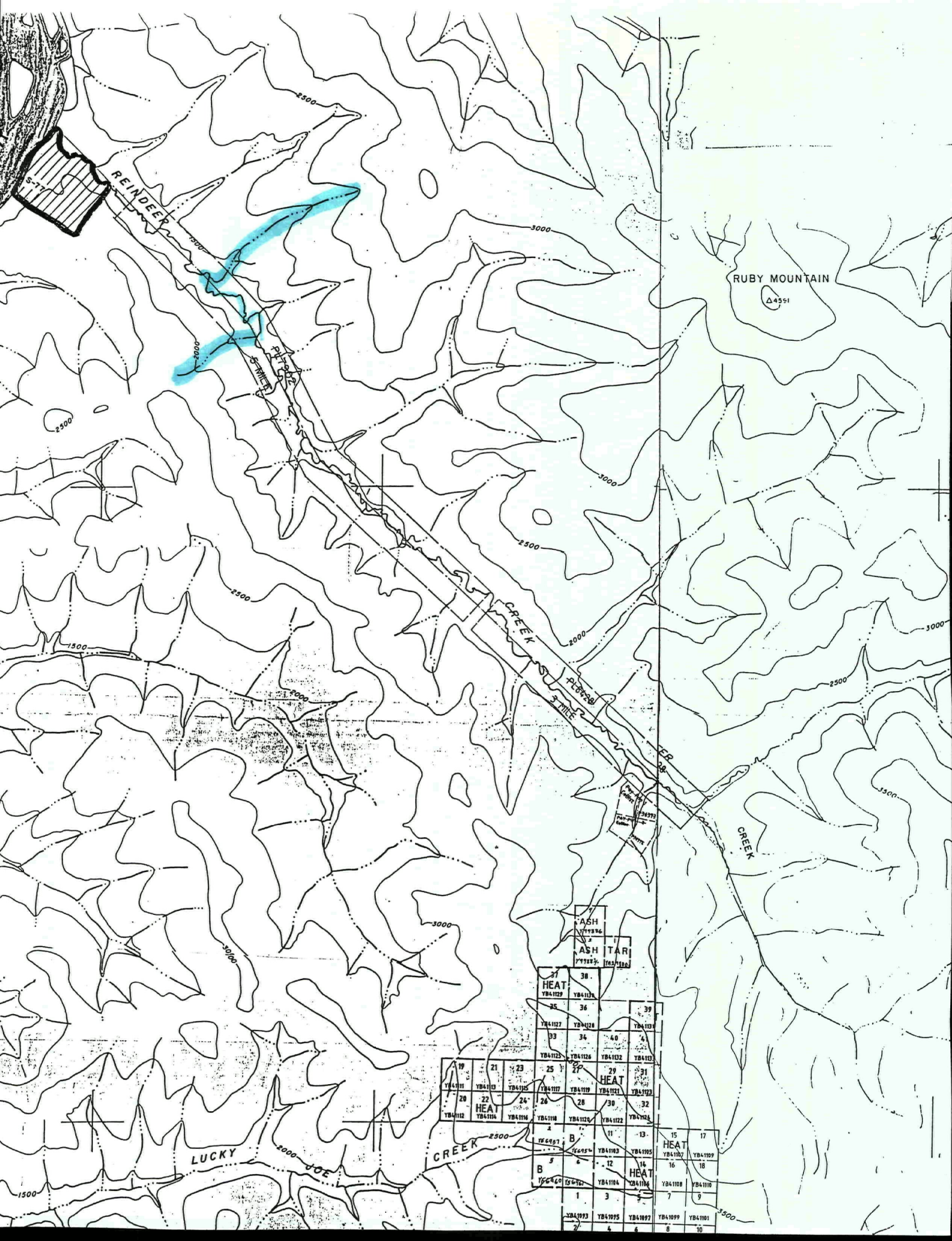
ASH  
TARI

37	38				
HEAT					
YB41129	YB41130				
35	36				39
YB41127	YB41128				YB41131
33	34	40	41		
YB41125	YB41126	YB41132	YB41133		
29	30	31	32		
HEAT					
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19	20	21	22	23	24
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25	26	27	28	29	30
YB41117	YB41118	YB41119	YB41120	YB41121	YB41122
11	12	13	14	15	16
YB41107	YB41108	YB41109	YB41110	YB41111	YB41112
5	6	7	8	9	10
YB41093	YB41094	YB41095	YB41096	YB41097	YB41098

**JUNE 11      cloudy 27'**

I started panning and examining granites on pup north side of Reindeer adjacent to camp to approximately 2500' level. Pup gravels are angular gneissic granites. Minor fine garnets were recovered, no gold. Outcrops were granite gneiss metamorphized to same texture as outcrops at camp. No mineralization was observed. Bill panned and examined outcrops on first pup upstream from camp on south side of Reindeer to approximately 2000' level. Reported no heavy minerals in pans and exposed outcrops were granite gneiss with no mineralization.





**JUNE 12    clear 30'**

Bill went down to the mouth of Reindeer to bring up remaining gear. I panned and checked outcrops on two pups upstream from camp on the north side of Reindeer to approximately 2000' level. Only minor fine garnets were recovered in panning both pups. Both pups cut granite gneiss with no mineralization. Panning on these small tributaries was limited to surface (1' - 2') gravels and any indications of higher concentrations of heavy minerals would have warranted the time to dig to bedrock. Otherwise draining an area to reach bedrock would have been too time consuming when there were so many areas to check out.

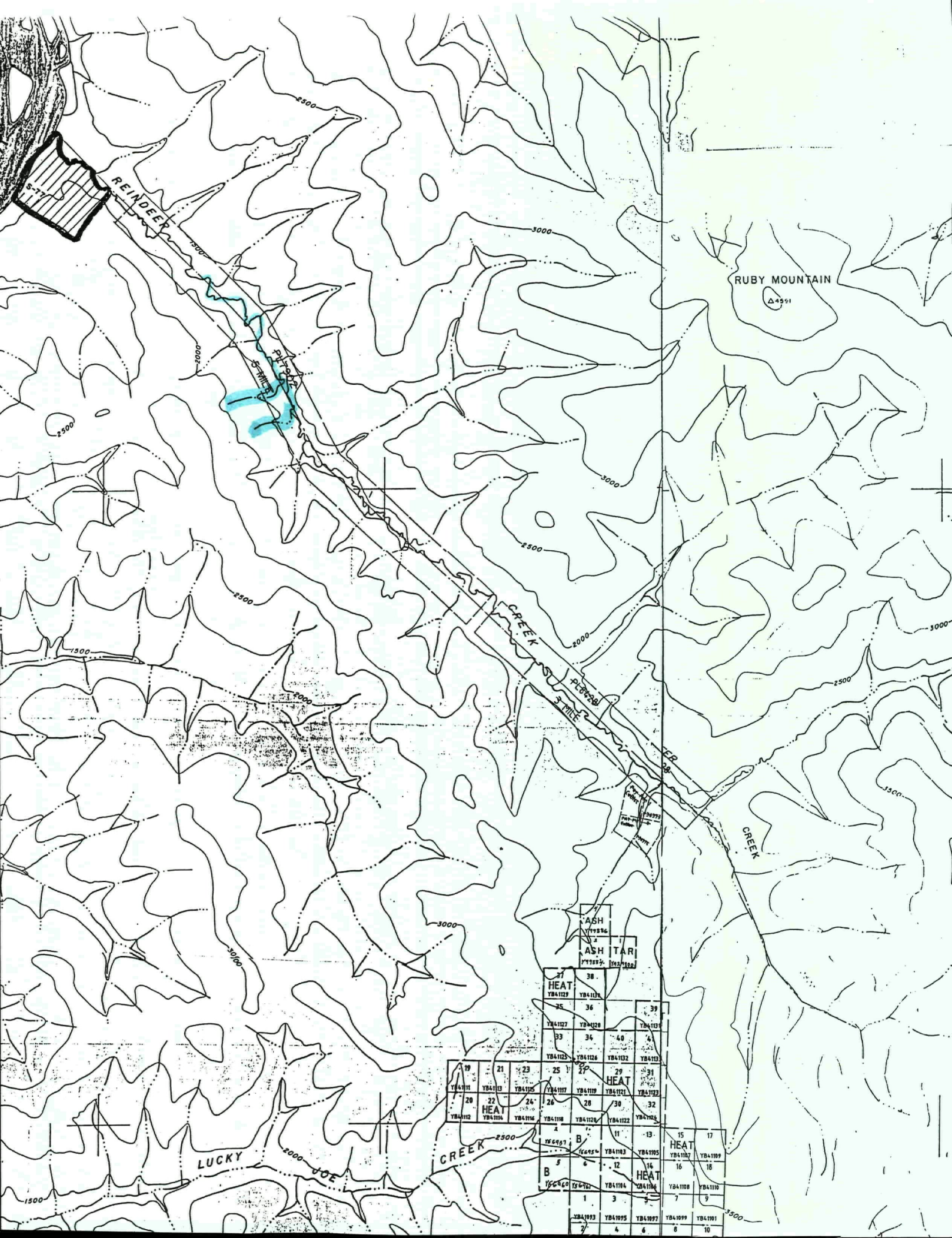




**JUNE 13    partly cloudy 26°**

Bill checked next two pups upstream south side of Reindeer. These pups are quite small and had very little water, gravels were angular granites, no heavy minerals were recovered from panning. Granite outcrops on both pups showed no mineralization. I stayed on Reindeer Creek examining granite outcrops on both north and south sides to the 2000' level to a point where a larger tributary enters from the north and a pup enters from the south. Reindeer widens at this point going further upstream. Granite gneiss outcrops showed no signs of mineralization. Creek gravels consist of angular granites up to 2' in diameter with the occasional rounded quartz boulders up to 2' in diameter. There is a concentration of stream gravels here and this area will be examined more closely.

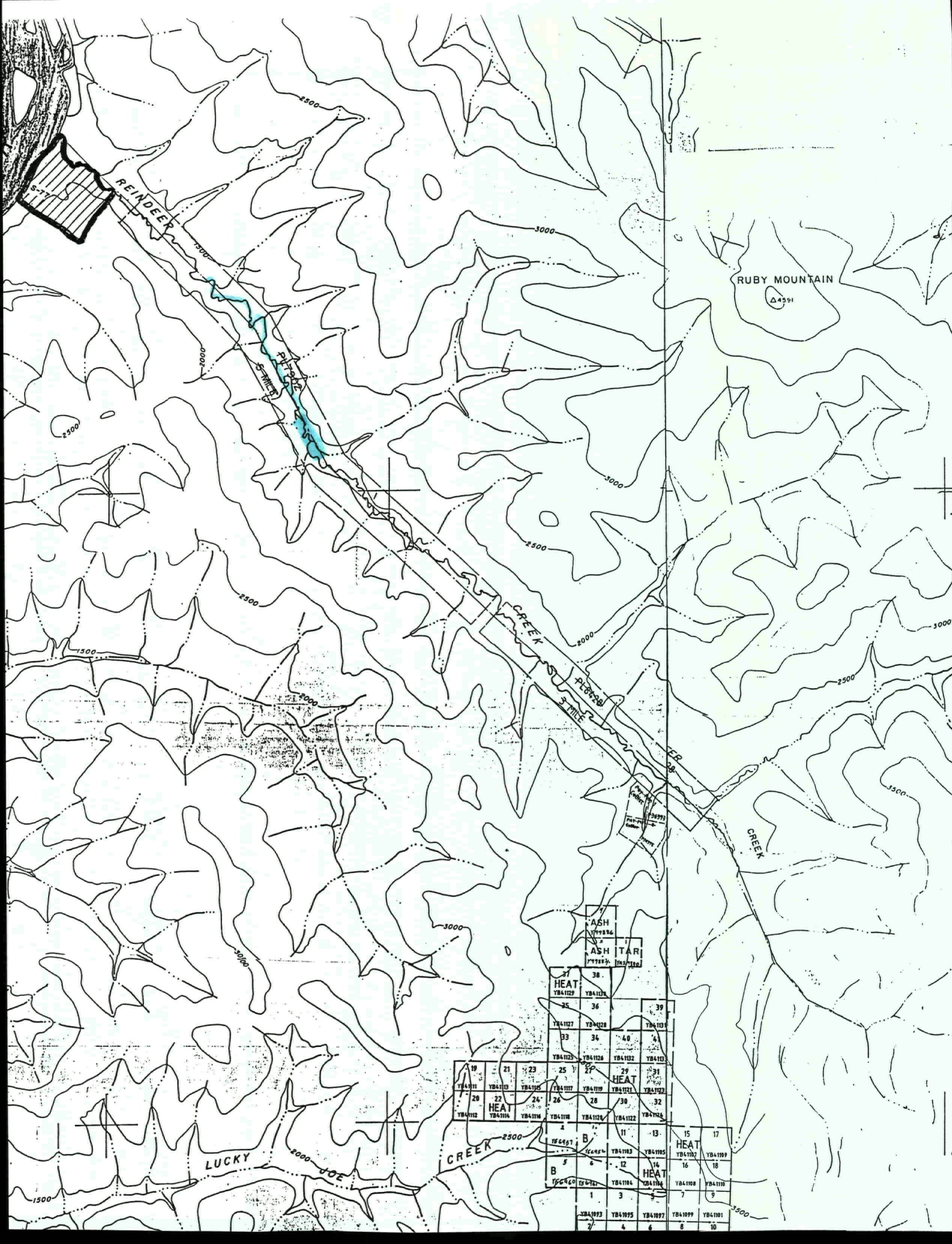




**JUNE 14   partly cloudy   +23'**

Bill and I spent the day at the head of the area where Reindeer begins its restriction. Slumped pits were found in the center on exposed bars. Panning along exposed banks on both sides of the creek revealed considerable fine garnet and magnetite with minor fine sulphides (pyrites), no gold, in every pan. It's unknown at this time how deep bedrock is, but there is a concentration of heavy minerals in the top gravel sections (3'). Panning surface gravels on exposed bars also yielded considerable fine garnet, minor fine magnetite, no gold. We are walking back and forth from camp approximately 2 miles downstream from this area.



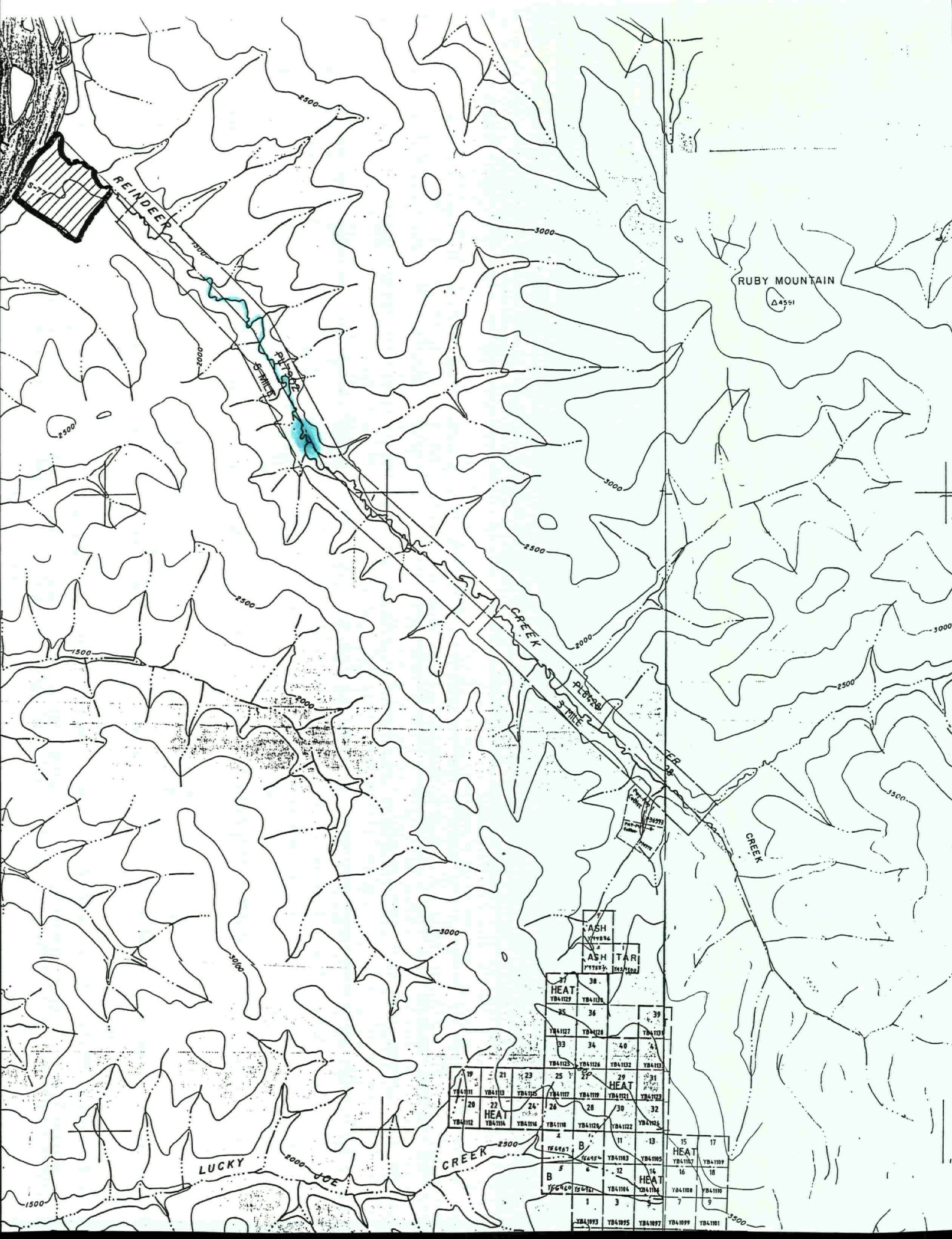


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33	34	35	36	37	38	39	40
YB41125	YB41126	YB41127	YB41128	YB41129	YB41130	YB41131	YB41132
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20	22	24	26	28	30	32	34
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B				11	13	15	17
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5	6	7	8	9	10	11	12
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B				1	3	5	7
YB41081	YB41082	YB41083	YB41084	YB41085	YB41086	YB41087	YB41088
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1	2	3	4	5	6	7	8
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YB41021	YB41022	YB41023	YB41024	YB41025	YB41026	YB41027	YB41028
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1	2	3	4	5	6	7	8
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YB40871	YB40872	YB40873	YB40874	YB40875	YB40876	YB40877	YB40878
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1	2	3	4	5	6	7	8
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B				1	3	5	7
YB40821	YB40822	YB40823	YB40824	YB40825	YB40826	YB40827	YB40828
1	2	3	4	5	6	7	8
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B				1	3	5	7
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B				1	3	5	7
YB40521	YB40522	YB40523	YB40524	YB40525	YB40526	YB40527	YB40528
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1	2	3	4	5	6	7	8
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1	2	3	4	5	6	7	8
YB40471	YB40472	YB40473	YB40474	YB40475	YB40476	YB40477	YB40478
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YB40461	YB40462	YB40463	YB40464	YB40465	YB40466	YB40467	YB40468
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YB40451	YB40452	YB40453	YB40454	YB40455	YB40456	YB40457	YB40458
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YB40431	YB40432	YB40433	YB40434	YB40435	YB40436	YB40437	YB40438
B				1	3	5	7
YB40421	YB40422	YB40423	YB40424	YB40425	YB40426	YB40427	YB40428
1	2	3	4	5	6	7	8
YB40411	YB40412	YB40413	YB40414	YB40415	YB40416	YB40417	YB40418
B				1	3	5	7
YB40401	YB40402	YB40403	YB40404	YB40405	YB40406	YB40407	YB40408
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YB40391	YB40392	YB40393	YB40394	YB40395	YB40396	YB40397	YB40398
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1	2	3	4	5	6	7	8
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1	2	3	4	5	6	7	8
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1	2	3	4	5	6	7	8
YB40311	YB40312	YB40313	YB40314	YB40315	YB40316	YB40317	YB40318

**JUNE 15    cloudy, rain   +15'**

Bill and I spent the day in the same area as yesterday panning material adjacent to old pits. Four pits were found. They averaged 6' in depth and the sides had slumped. Very little material remained adjacent to pits that would have been the dumps. High water had leveled the material. Panning remnants yielded considerable fine garnets, magnetite and a trace of very fine gold. Pit nearest creek center contained a considerable amount of fine sulphides (pyrites). Crushing pyrites in mortar and panning them, resulted in no visible gold being recovered.





RUBY MOUNTAIN  
Δ4551

ASH  
YBA1129  
YBA1130  
YBA1131  
YBA1132  
YBA1133  
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YBA1175  
YBA1176  
YBA1177  
YBA1178  
YBA1179  
YBA1180  
YBA1181  
YBA1182  
YBA1183  
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YBA1189  
YBA1190  
YBA1191  
YBA1192  
YBA1193  
YBA1194  
YBA1195  
YBA1196  
YBA1197  
YBA1198  
YBA1199  
YBA1200

37	38	39	40	41
HEAT	YBA1129	YBA1130	YBA1131	YBA1132
35	36	37	38	39
YBA1127	YBA1128	YBA1129	YBA1130	YBA1131
33	34	35	36	37
YBA1125	YBA1126	YBA1127	YBA1128	YBA1129
31	32	33	34	35
YBA1123	YBA1124	YBA1125	YBA1126	YBA1127
29	30	31	32	33
YBA1121	YBA1122	YBA1123	YBA1124	YBA1125
27	28	29	30	31
YBA1119	YBA1120	YBA1121	YBA1122	YBA1123
25	26	27	28	29
YBA1117	YBA1118	YBA1119	YBA1120	YBA1121
23	24	25	26	27
YBA1115	YBA1116	YBA1117	YBA1118	YBA1119
21	22	23	24	25
YBA1113	YBA1114	YBA1115	YBA1116	YBA1117
19	20	21	22	23
YBA1111	YBA1112	YBA1113	YBA1114	YBA1115

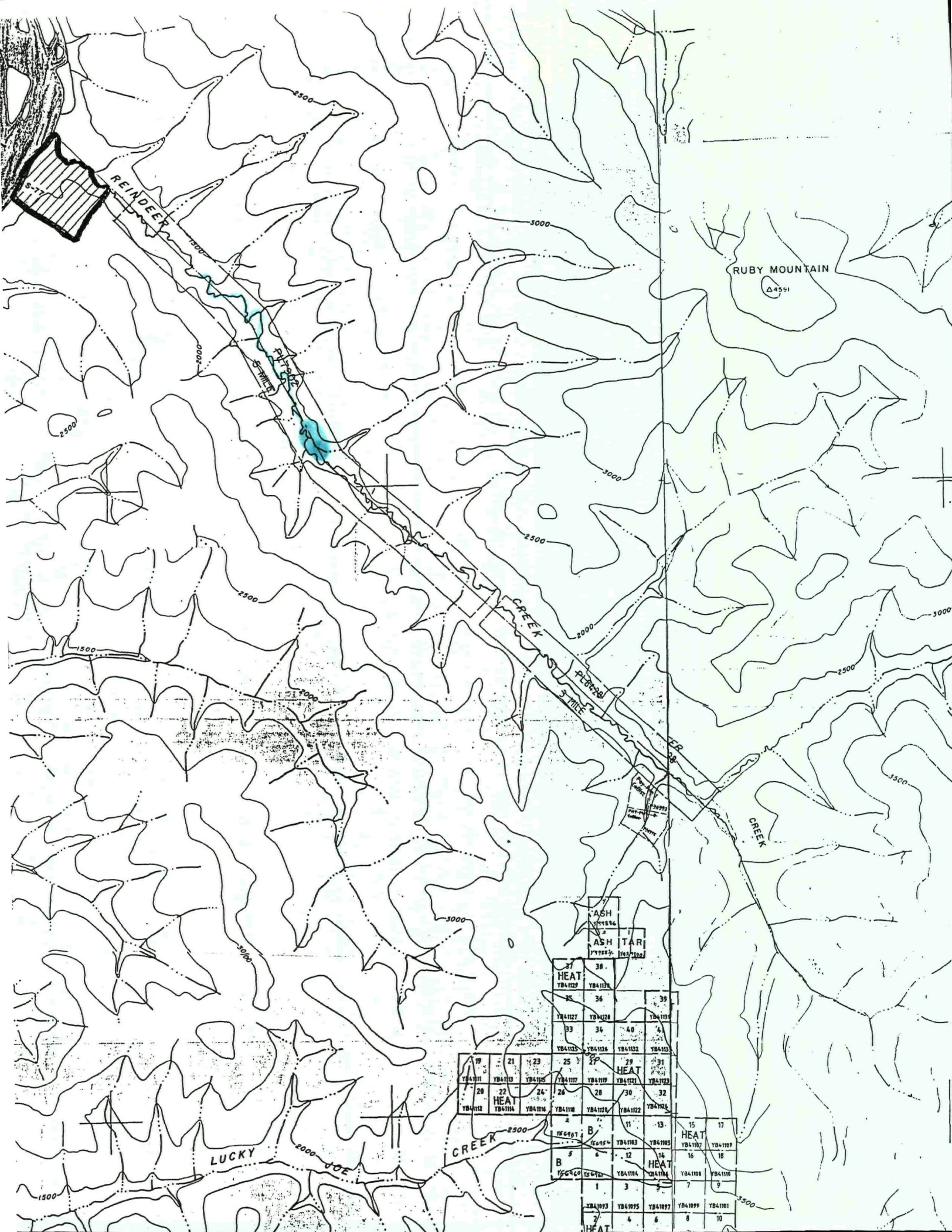
19	21	23
YBA111	YBA113	YBA115
20	22	24
YBA112	HEA YBA114	YBA116

CREEK 2300

**JUNE 16    cloudy   21'**

Both of us spent the day panning old pits with no better results. No gold was recovered although every pan contained considerable fine garnet, magnetite, and minor fine pyrites. While Bill panned, I went up to the tributary that enters Reindeer from the north and located a narrow sulphide zone in the granite gneiss approximately 6" wide and exposed for approximately 30' trending NE pinching off to about 1". Panning this zone recovered fine pyrites that, when mortared, contained no visible gold.

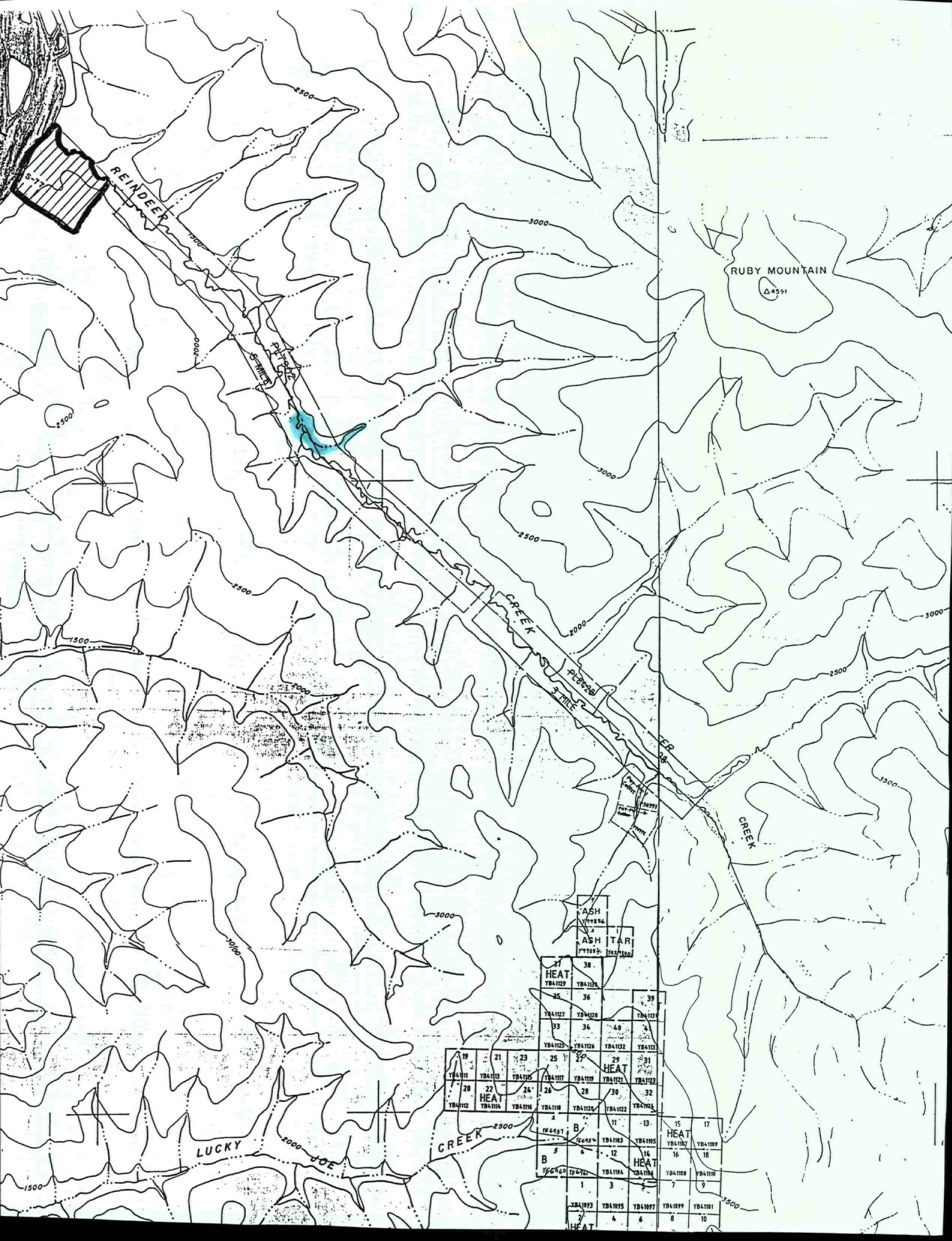




**JUNE 17 cloudy 18'**

Bill continued panning in the same area as yesterday. He recovered minor fine gold along the rim of pit nearest creek center at a depth of 2'. Pans taken deeper than this contained no gold, just minor fine garnet. Abundant fine garnet and magnetite with minor pyrite were also panned from the top 2' of gravels. I returned to sulphide zone visited yesterday to see if zone swelled along strike or reappeared in another exposure to the SW or NE. No further exposures were found on the tributary that enters from the north, which would have cut it, nor on the SW side of Reindeer if it were trending that direction. No indication of this was found so it must have been an isolated zone which may have dipped but wasn't worth chasing anyway.





RUBY MOUNTAIN  
Δ4951

REINDEER

CREEK

CREEK

LUCKY

JOE

CREEK

ASH YB41129 YB41130		ASH TAR YB41131 YB41132	
37 HEAT YB41129	38 YB41133	39 YB41134	40 YB41135
35 YB41127	36 YB41128	37 YB41129	38 YB41130
33 YB41125	34 YB41126	35 YB41127	36 YB41128
31 YB41123	32 YB41124	33 YB41125	34 YB41126
29 YB41121	30 YB41122	31 YB41123	32 YB41124
27 YB41119	28 YB41120	29 YB41121	30 YB41122
25 YB41117	26 YB41118	27 YB41119	28 YB41120
23 YB41115	24 YB41116	25 YB41117	26 YB41118
21 YB41113	22 YB41114	23 YB41115	24 YB41116
19 YB41111	20 YB41112	21 YB41113	22 YB41114
17 YB41109	18 YB41110	19 YB41111	20 YB41112
15 YB41107	16 YB41108	17 YB41109	18 YB41110
13 YB41105	14 YB41106	15 YB41107	16 YB41108
11 YB41103	12 YB41104	13 YB41105	14 YB41106
9 YB41101	10 YB41102	11 YB41103	12 YB41104
7 YB41099	8 YB41100	9 YB41101	10 YB41102
5 YB41097	6 YB41098	7 YB41099	8 YB41100
3 YB41095	4 YB41096	5 YB41097	6 YB41098
1 YB41093	2 YB41094	3 YB41095	4 YB41096
HEAT	HEAT	HEAT	HEAT

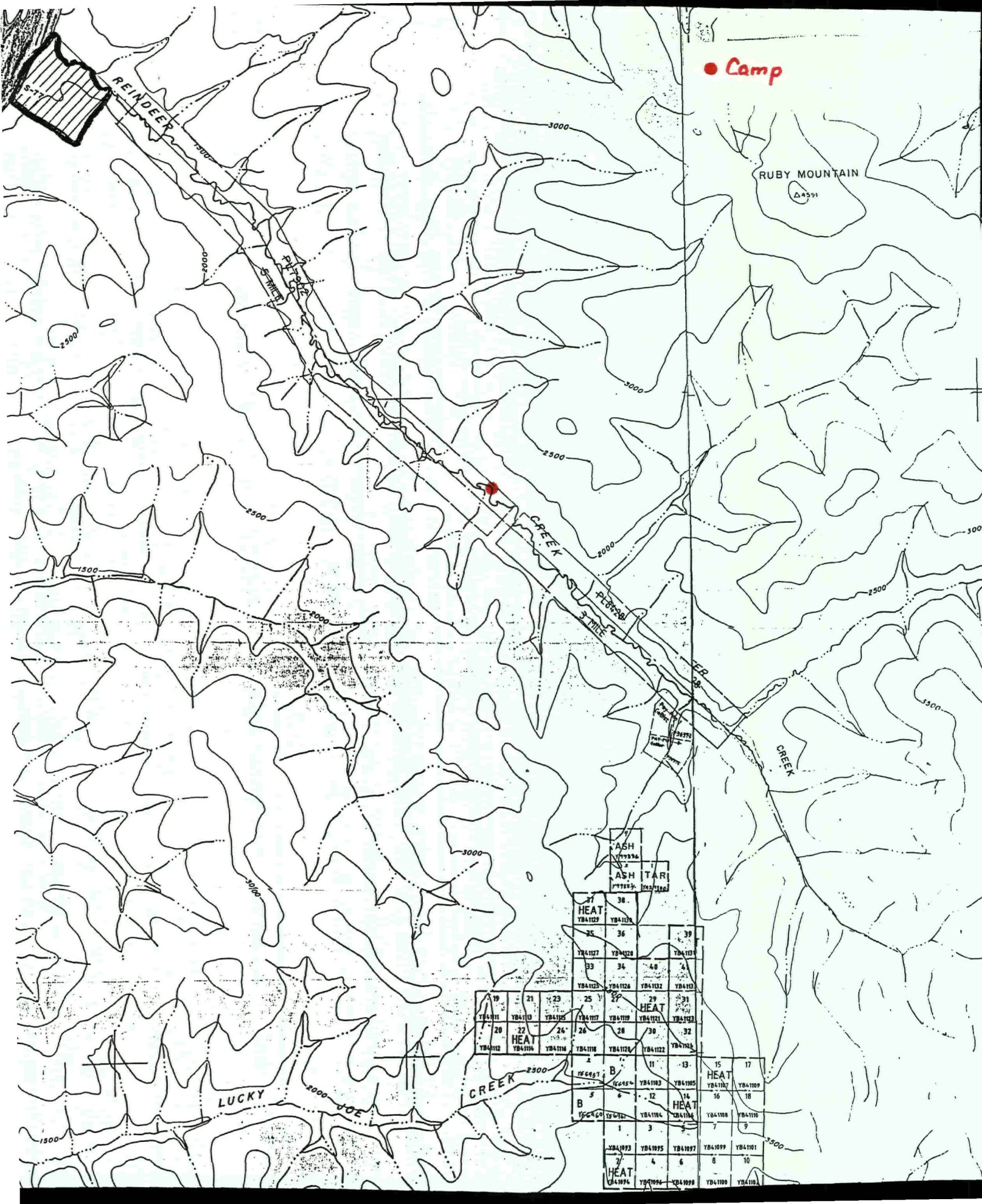
**JUNE 18    cloudy   22'**

Stayed in camp today as we are leaving for Dawson this afternoon. Cleaning up campsite and caching gear for future use. Yukon has receded considerably but there's still some debris floating down. Boat motor not running properly so floated down to Dawson.



OCT. 1 clear +4, 1" snow

Flew in by helicopter (Fireweed) with gear to location approximately 7 miles upstream from mouth of Reindeer. Mike travelled up Yukon River with river boat and ATV and gear to mouth of Reindeer. I set up my camp and spent the rest of day familiarizing myself with surrounding area. Granite gneiss on north and south sides of Reindeer.



● Camp

RUBY MOUNTAIN

4391

CREEK

PLATEAU

TIME

TEP

CREEK

ASH

ASH

TAR

37

HEAT

YB41129

38

YB41130

35

YB41127

36

YB41128

40

YB41132

39

YB41131

33

YB41125

34

YB41126

31

YB41121

32

YB41122

20

HEAT

YB41112

21

YB41113

22

YB41114

23

YB41115

24

YB41116

25

YB41117

26

YB41118

27

YB41119

28

YB41120

29

HEAT

YB41123

30

YB41124

31

YB41125

HEAT

YB41073

HEAT

YB41074

1

YB41075

2

YB41076

3

YB41077

4

YB41078

5

YB41079

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YB41080

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YB41081

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YB41082

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YB41083

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YB41084

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YB41085

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YB41086

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YB41088

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YB41089

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YB41090

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YB41091

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YB41097

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YB41098

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YB41099

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YB41100

27

YB41101

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YB41102

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YB41103

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YB41104

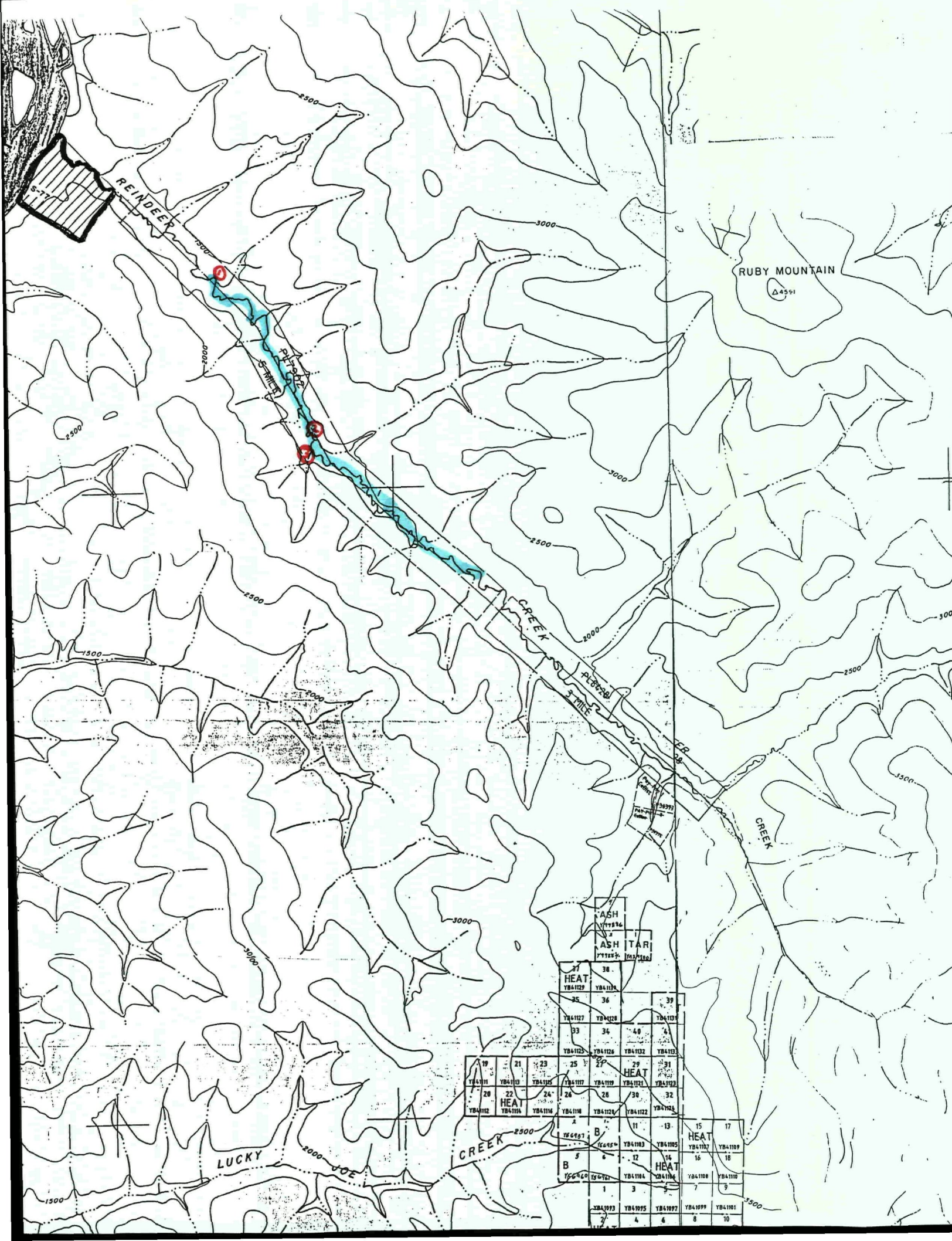
31

YB41105

**OCT. 2    raining   +2'**

Walked 5 miles downstream where Mike had set up his camp at old campsite used in June. Showed him where to dig pits. #1 just below canyon on north side of Reindeer, #2 above canyon on oxbow in center of the valley, and #3 on south side of valley above canyon. Steep cut banks, that weren't there in June, prevent taking ATV any further than this upstream without any major engineering. Spent the rest of the day and evening with Mike showing him the area.



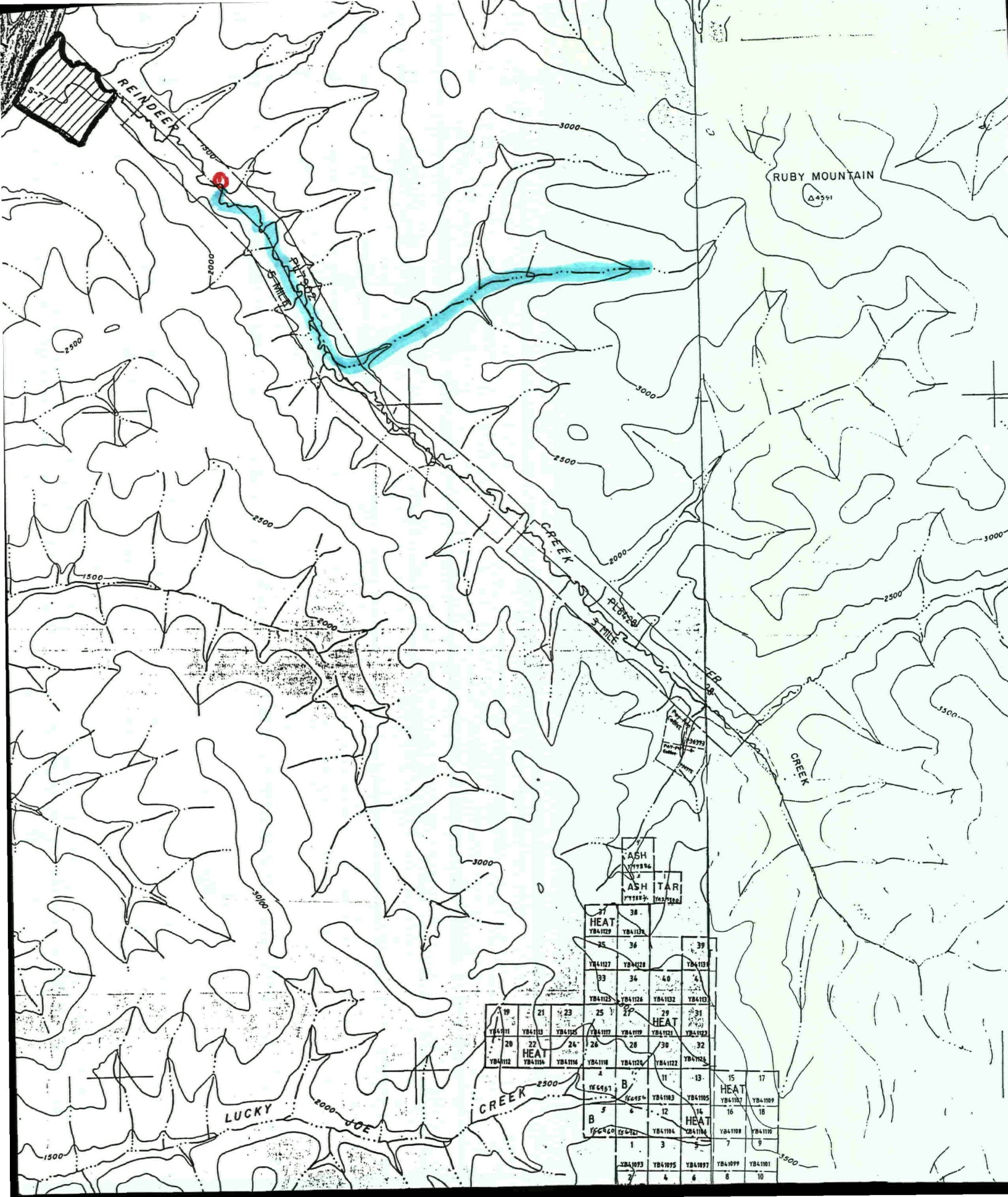


ASH		ASH TARI	
37	38	39	40
HEAT	YB41129	YB41130	YB41131
25	36	37	38
YB41127	YB41128	YB41129	YB41130
33	34	35	36
YB41125	YB41126	YB41127	YB41128
21	22	23	24
YB41121	YB41122	YB41123	YB41124
20	21	22	23
YB41120	YB41121	YB41122	YB41123
19	20	21	22
YB41119	YB41120	YB41121	YB41122
18	19	20	21
YB41118	YB41119	YB41120	YB41121
17	18	19	20
YB41117	YB41118	YB41119	YB41120
16	17	18	19
YB41116	YB41117	YB41118	YB41119
15	16	17	18
YB41115	YB41116	YB41117	YB41118
14	15	16	17
YB41114	YB41115	YB41116	YB41117
13	14	15	16
YB41113	YB41114	YB41115	YB41116
12	13	14	15
YB41112	YB41113	YB41114	YB41115
11	12	13	14
YB41111	YB41112	YB41113	YB41114
10	11	12	13
YB41110	YB41111	YB41112	YB41113
9	10	11	12
YB41109	YB41110	YB41111	YB41112
8	9	10	11
YB41108	YB41109	YB41110	YB41111
7	8	9	10
YB41107	YB41108	YB41109	YB41110
6	7	8	9
YB41106	YB41107	YB41108	YB41109
5	6	7	8
YB41105	YB41106	YB41107	YB41108
4	5	6	7
YB41104	YB41105	YB41106	YB41107
3	4	5	6
YB41103	YB41104	YB41105	YB41106
2	3	4	5
YB41102	YB41103	YB41104	YB41105
1	2	3	4
YB41101	YB41102	YB41103	YB41104

**OCT. 3      freezing rain    0'**

Mike started on pit below canyon. I went up first long tributary entering Reindeer from the north. Tributary cuts granite gneiss at its mouth where small sulphide zone was seen in June. Panned creek proper to approximately 2500' level staying on the right fork. Panned only minor coarse garnet, fine magnetite, no gold. Rock on both limits schisty granite gneiss with no visible mineralization. Stream gravels angular granites. This tributary was believed to have cut a high level gravel channel but I did not see any indication of this as there were no foreign gravels and no concentration of gravels in the tributary or at its mouth which probably would have occurred if this tributary had cut a sizeable deposit as has been suggested. The area does have a bench-like appearance though, and may deserve further examination.





RUBY MOUNTAIN

Δ4591

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2500

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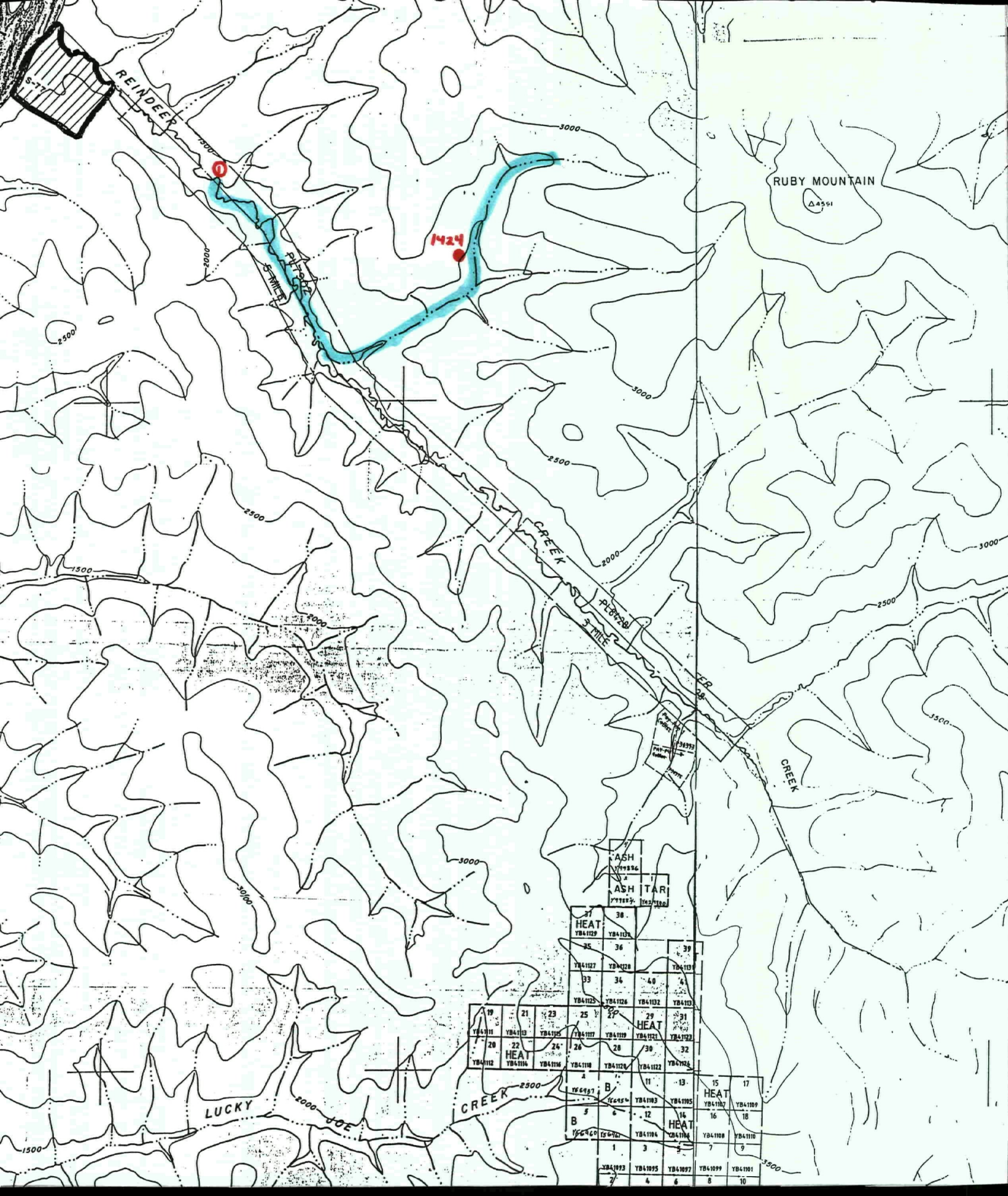
HEAT

OCT. 4

cloudy -5'

Mike worked on pit #1. I went upstream to the tributary prospected yesterday, but went up the left fork, panning and checking outcrops. All pans contained considerable coarse garnet, fine magnetite, no sulphides or gold. Stream sediment survey reported 3 ppb gold. Outcrops schisty granite gneiss with no visible mineralization. Prospected to approximately 2500' level.



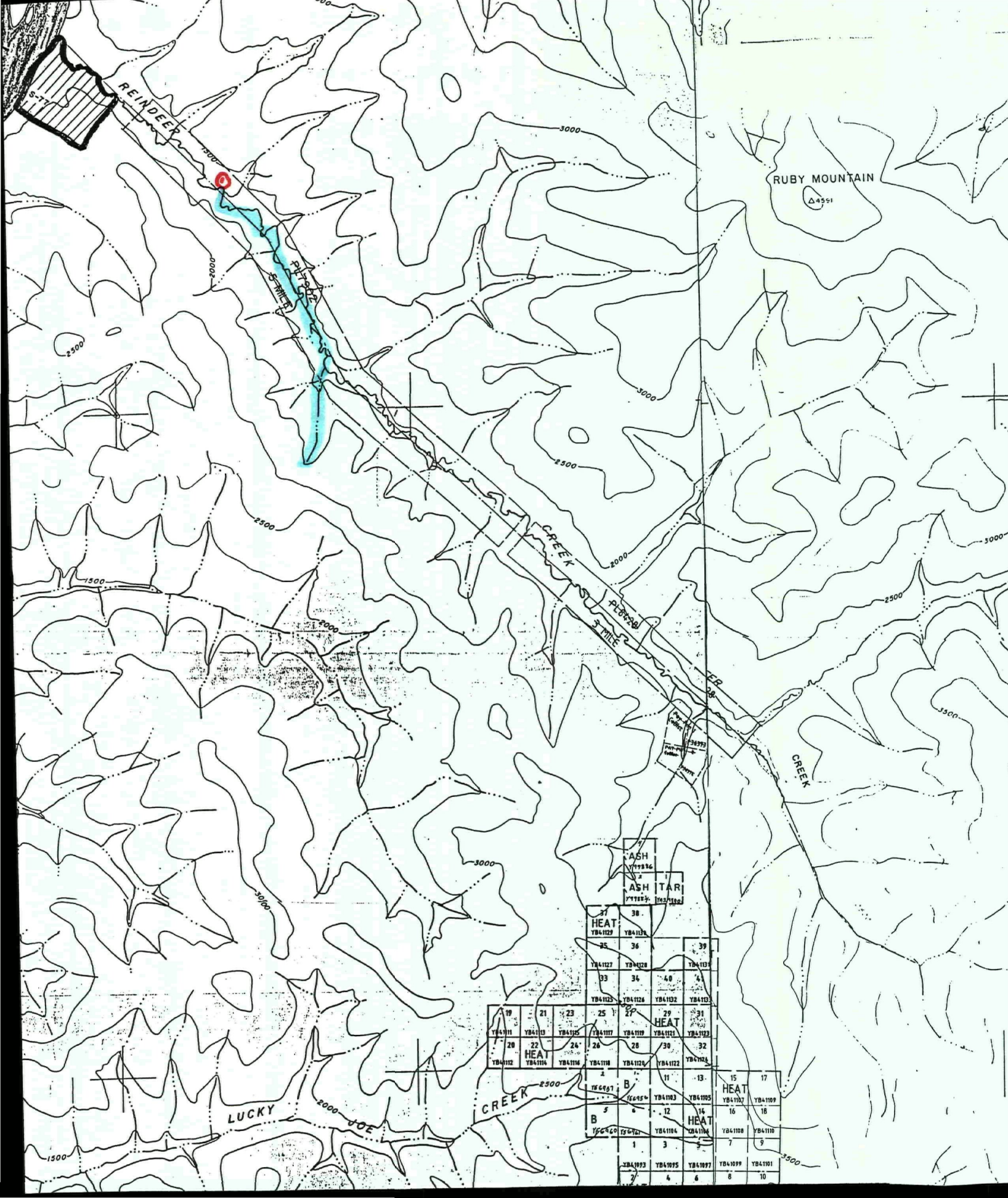


ASH		ASH		TARI	
YB41129		YB41130		YB41131	
37	HEAT	38		39	
YB41129	YB41130	YB41131	YB41132	YB41133	YB41134
35		36		37	
YB41127	YB41128	YB41129	YB41130	YB41131	YB41132
33		34	40	41	
YB41125	YB41126	YB41127	YB41128	YB41129	YB41130
29		21	23	25	27
YB41111	YB41112	YB41113	YB41114	YB41115	YB41116
20	HEAT	22	24	26	28
YB41112	YB41113	YB41114	YB41115	YB41116	YB41117
19		21	23	25	27
YB41111	YB41112	YB41113	YB41114	YB41115	YB41116
17		19	21	23	25
YB41109	YB41110	YB41111	YB41112	YB41113	YB41114
15		17	19	21	23
YB41107	YB41108	YB41109	YB41110	YB41111	YB41112
13		15	17	19	21
YB41105	YB41106	YB41107	YB41108	YB41109	YB41110
11		13	15	17	19
YB41103	YB41104	YB41105	YB41106	YB41107	YB41108
9		11	13	15	17
YB41101	YB41102	YB41103	YB41104	YB41105	YB41106
7		9	11	13	15
YB41099	YB41100	YB41101	YB41102	YB41103	YB41104
5		7	9	11	13
YB41097	YB41098	YB41099	YB41100	YB41101	YB41102
3		5	7	9	11
YB41095	YB41096	YB41097	YB41098	YB41099	YB41100
1		3	5	7	9
YB41093	YB41094	YB41095	YB41096	YB41097	YB41098
0		2	4	6	8
YB41091	YB41092	YB41093	YB41094	YB41095	YB41096



OCT. 5      cloudy   -5'

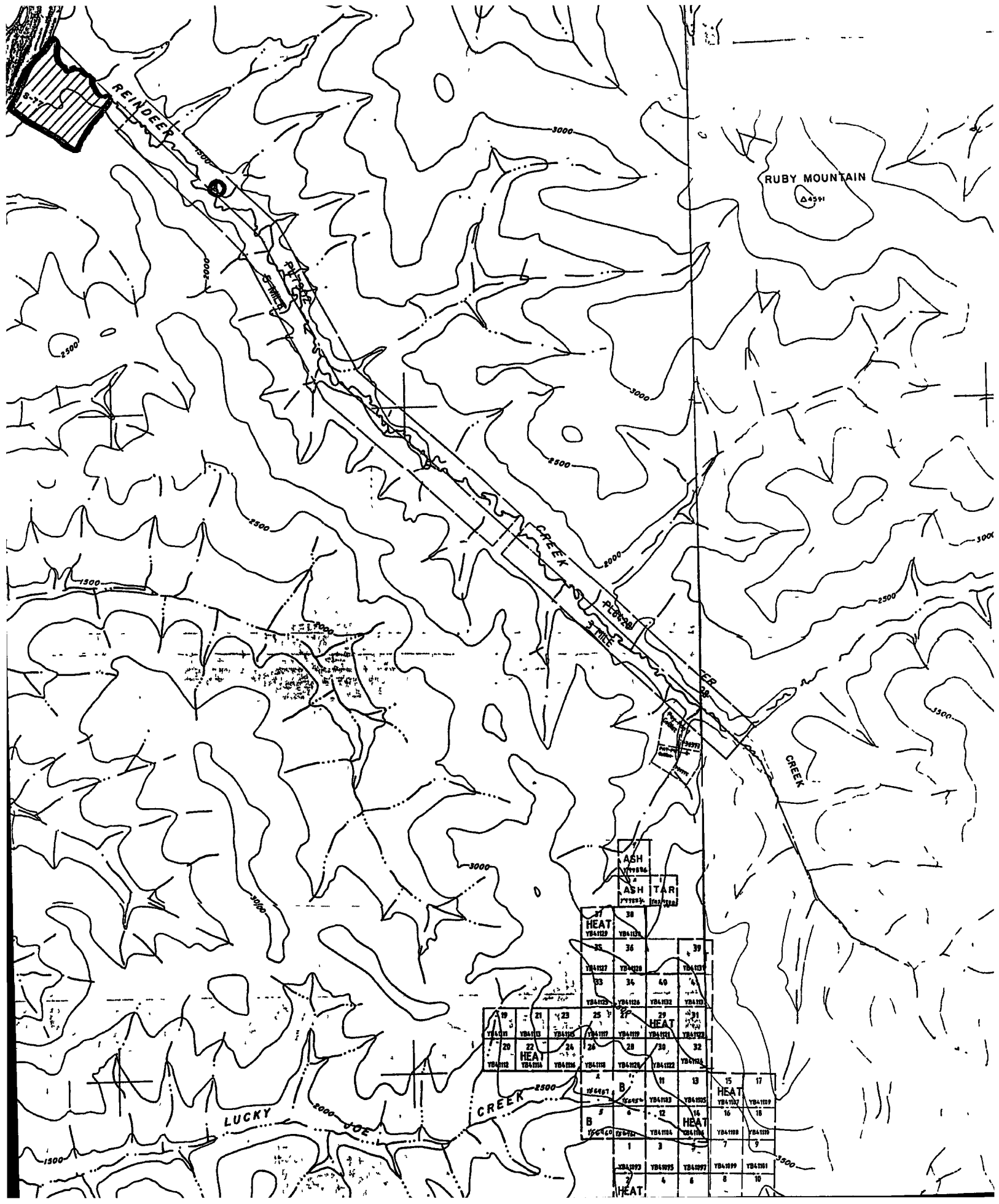
Left Mike on pit #1. He's dug to a depth of 5'. Ground is thawed. Panning so far yields only minor fine garnet. All gravels angular granites, none bigger than 1' in diameter. I went upstream to the pup that enters Reindeer just above the canyon from the south. At the point where pup enters Reindeer, panning of gravels (2') yielded minor fine gold, abundant coarse garnet, no magnetite or sulphides. Went up pup to approximately 2000' level. Panning yielded only minor fine garnet.



**OCT. 6      partly cloudy   +5'**

Mike worked on pit #1 (6' deep X 3' wide X 6' long). Panning from top to bottom yielded minor very fine gold 2' from surface along with minor fine garnet. Helped him dig to 8 feet and abandoned pit due to water seepage. No heavy minerals were found at this depth. All gravels were angular granites.

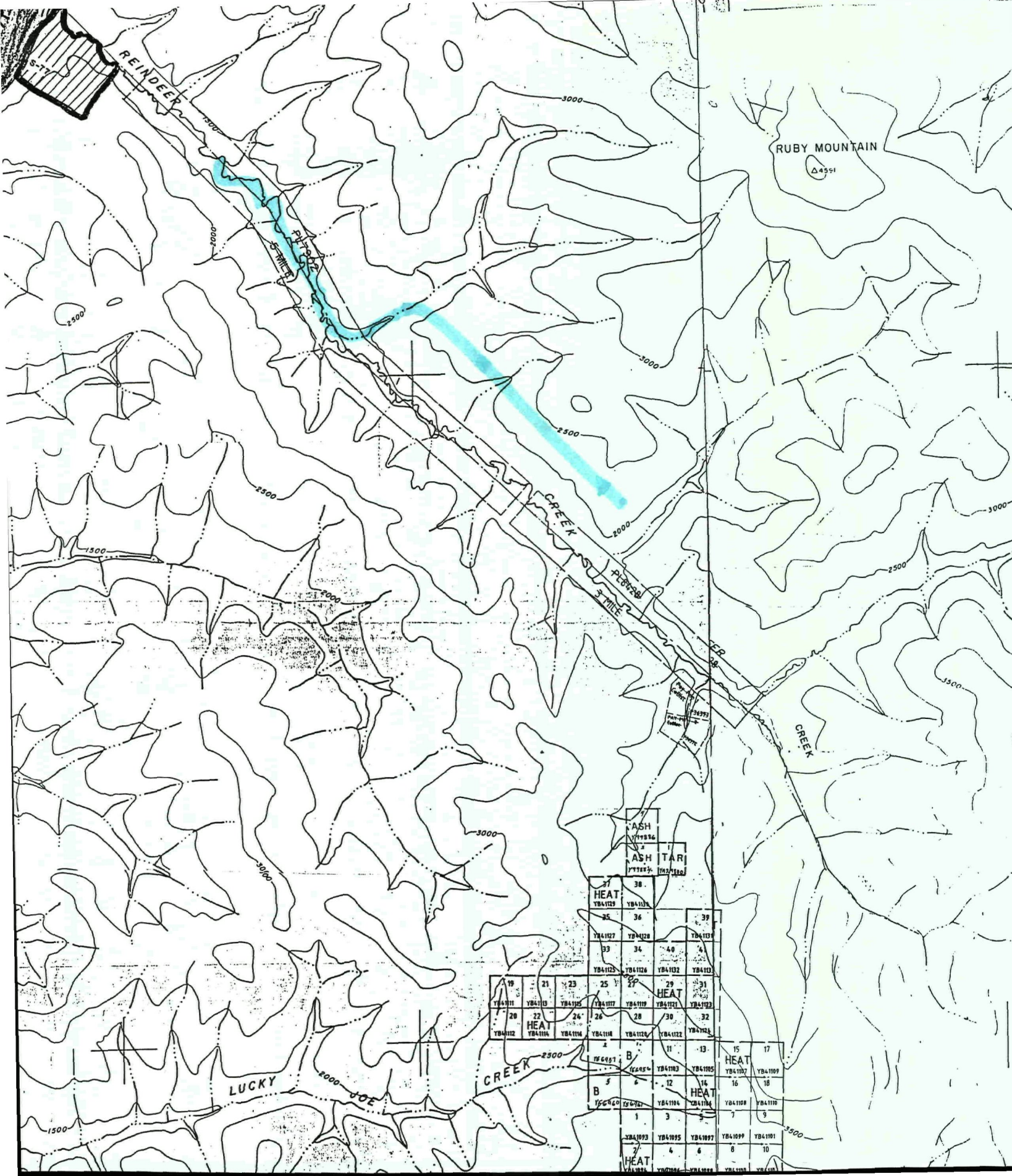




OCT. 7      cloudy 0'

Mike and I went up to check on reported high level benches on the north side of Reindeer above the canyon. It was hard to determine if an old gravel channel existed, as there were two prominent benches present, but whether or not there is a gravel channel here, could only be determined by shafting or trenching. This may be done at a later date. Tributaries cutting this area contained only angular granites.



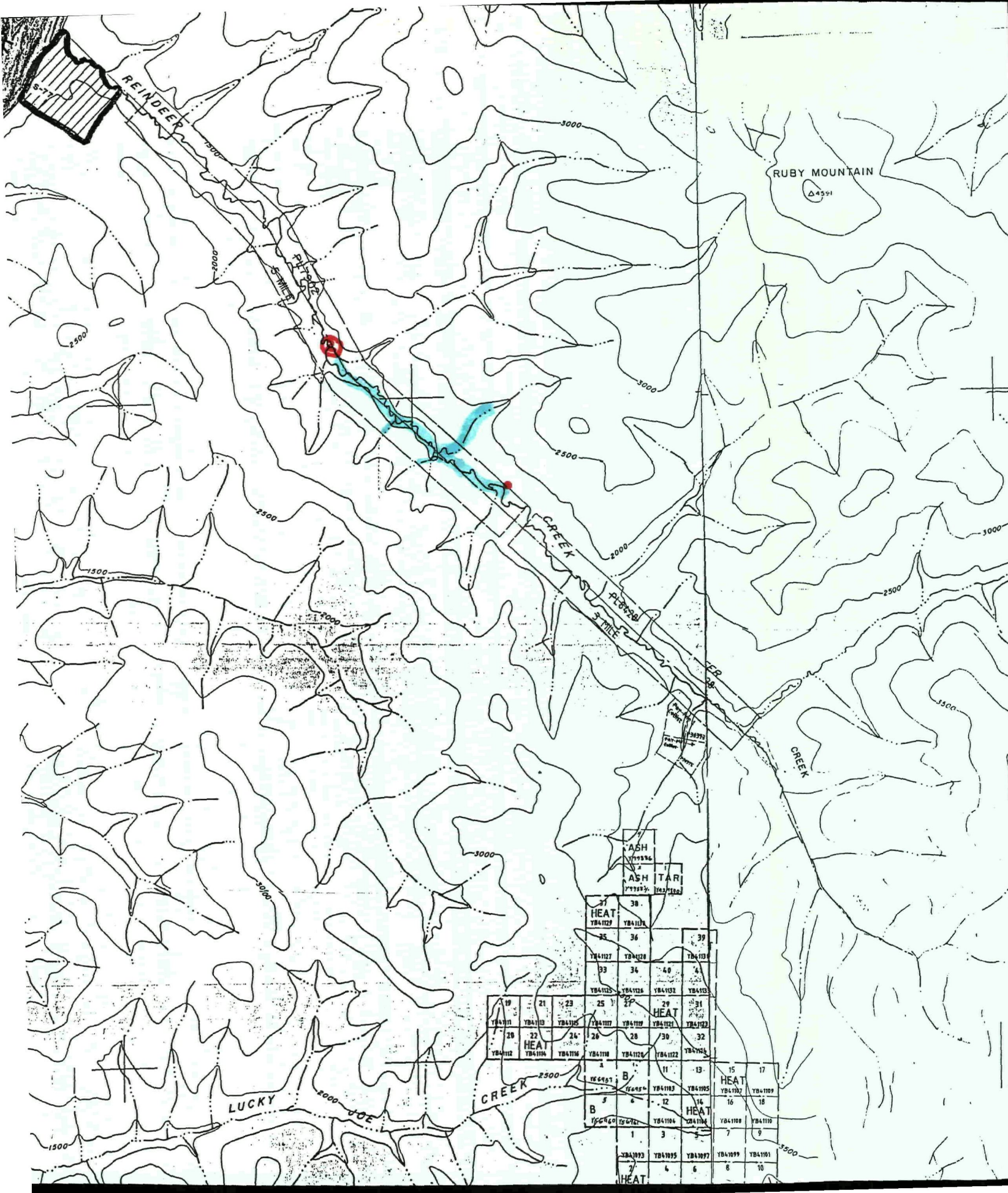


37	38	39
HEAT		
YB41125	YB41126	
35	36	
YB41127	YB41128	YB41129
33	34	40
YB41130	YB41131	YB41132
29	30	31
HEAT		
YB41133	YB41134	YB41135
27	28	29
YB41136	YB41137	YB41138
25	26	27
YB41139	YB41140	YB41141
23	24	25
YB41142	YB41143	YB41144
21	22	23
YB41145	YB41146	YB41147
19	20	21
YB41148	YB41149	YB41150
17	18	19
YB41151	YB41152	YB41153
15	16	17
HEAT		
YB41154	YB41155	YB41156
13	14	15
YB41157	YB41158	YB41159
11	12	13
YB41160	YB41161	YB41162
9	10	11
YB41163	YB41164	YB41165
7	8	9
YB41166	YB41167	YB41168
5	6	7
YB41169	YB41170	YB41171
3	4	5
YB41172	YB41173	YB41174
1	2	3
YB41175	YB41176	YB41177
HEAT		
YB41178	YB41179	YB41180

OCT. 8      cloudy   -5'

Mike started on pit #2. I walked back towards my camp panning the mouths of two pups entering the south side of Reindeer recovering only minor fine garnet. Outcrops are granite gneiss. Pup entering on the north side was panned at the mouth yielding abundant fine garnet, minor fine magnetite, no gold. Granite gneiss outcrops showed no visible mineralization.

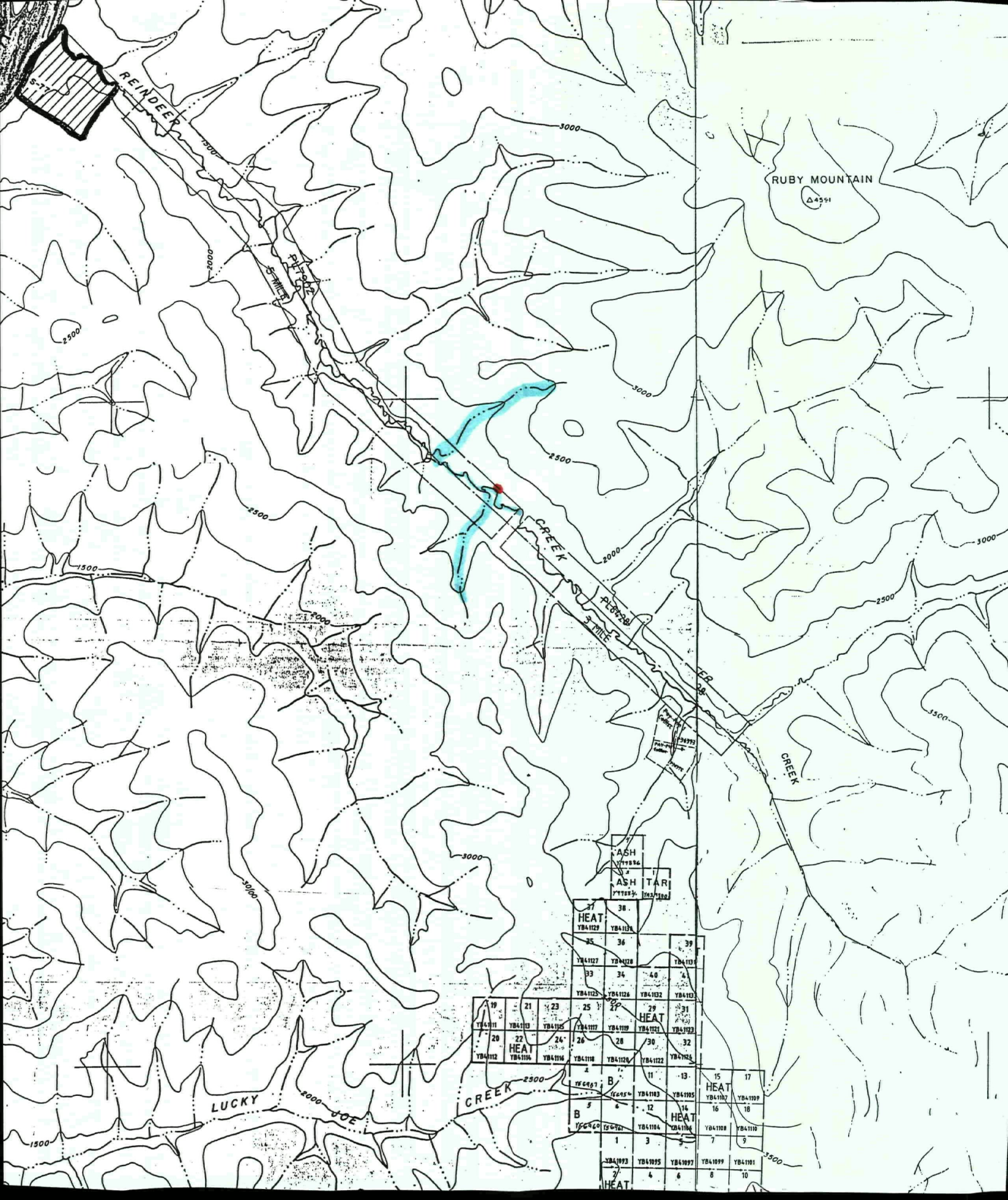






OCT. 9      cloudy -5'

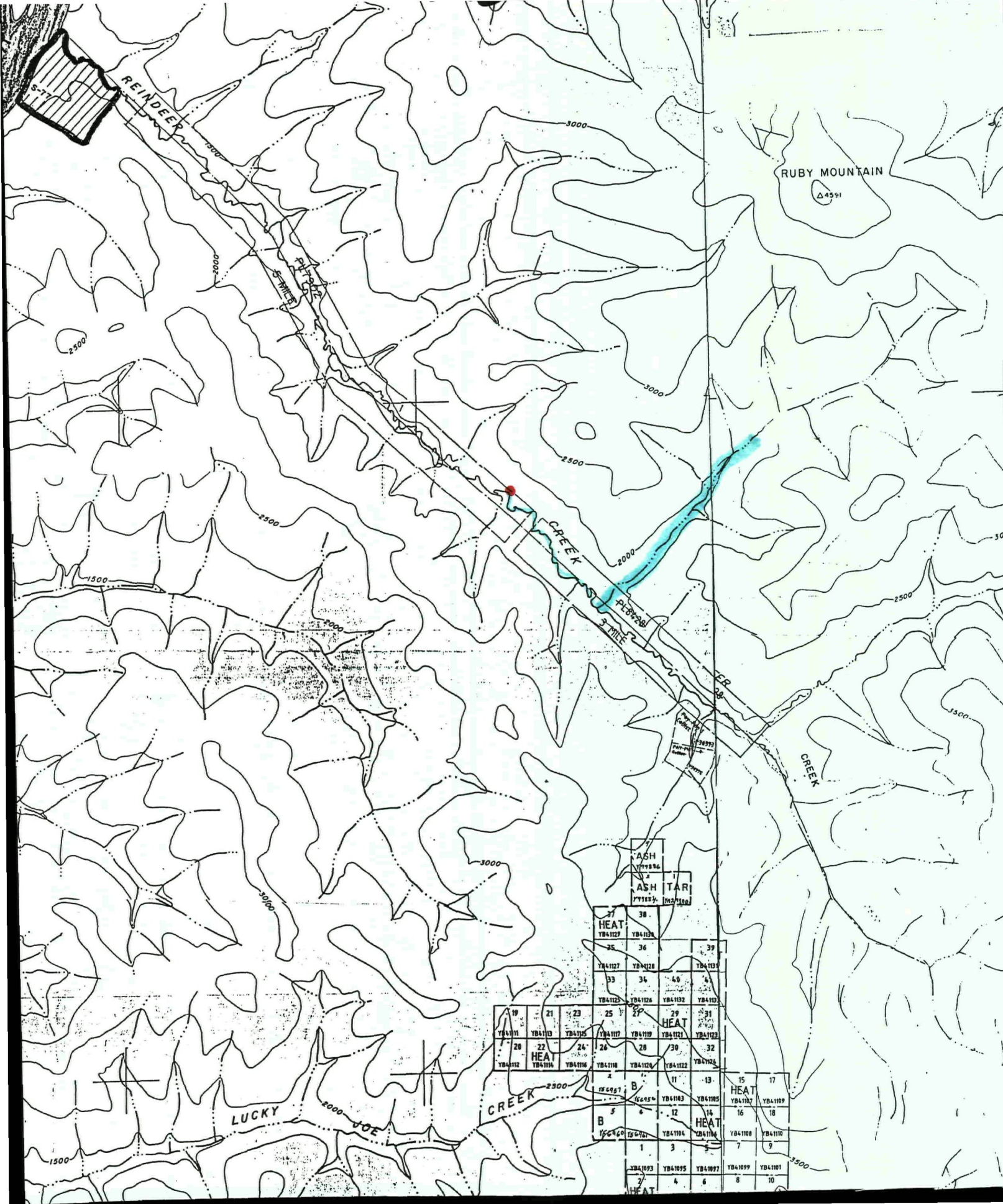
Went downstream to re-examine pup that enters north side of Reindeer. Panning at mouth yielded abundant fine garnet. Prospected to approximately 2500' level with every pan showing abundant fine garnet, minor fine magnetite, no sulphides, no gold. Outcrops were granite gneiss with no visible mineralization. Went back up Reindeer to pup entering on south side directly across from camp. Panned up to 2000' level. None of the pans yielded any measurable amounts of heavy minerals. Granite gneiss outcrops contained no visible mineralization.



**OCT. 10      cloudy   -10'**

Went up tributary on north side of Reindeer upstream from camp. Tributary is approximately three miles long and the day was spent on the bottom half. One pan at the mouth yielded abundant coarse garnet, minor coarse magnetite and trace of fine gold. No mineralization was found in any of the granite gneiss.

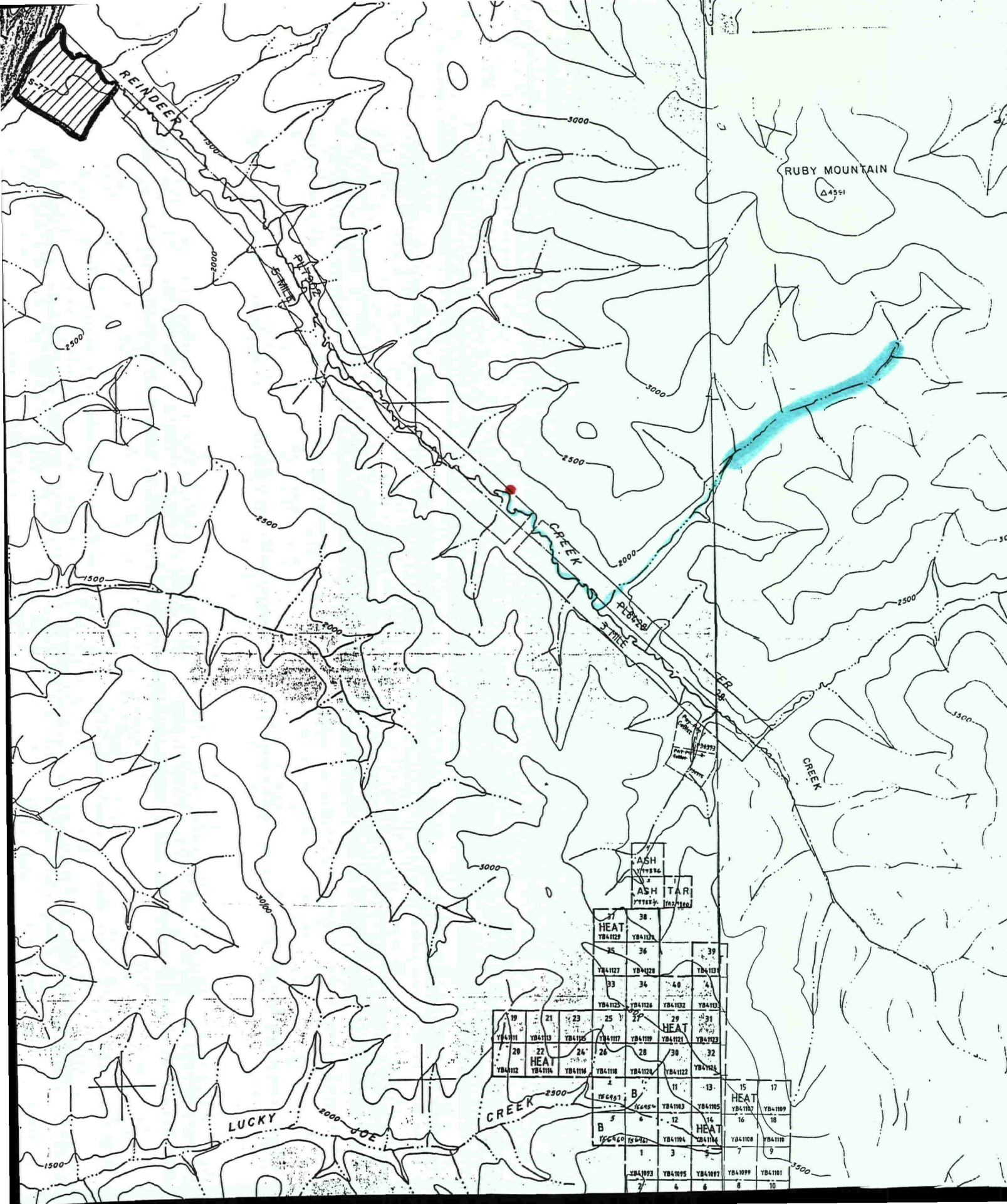




**OCT. 11     light snow   -5'**

Returned to tributary visited yesterday. Panning top half yielded abundant coarse garnet, minor coarse magnetite, no sulphides, no gold up to the 2500' level. Granite gneiss outcrops showed no visible mineralization. Stayed on creek proper panning the pups at their confluence with this tributary with all pans yielding coarse garnet, coarse magnetite, no sulphides, no gold.

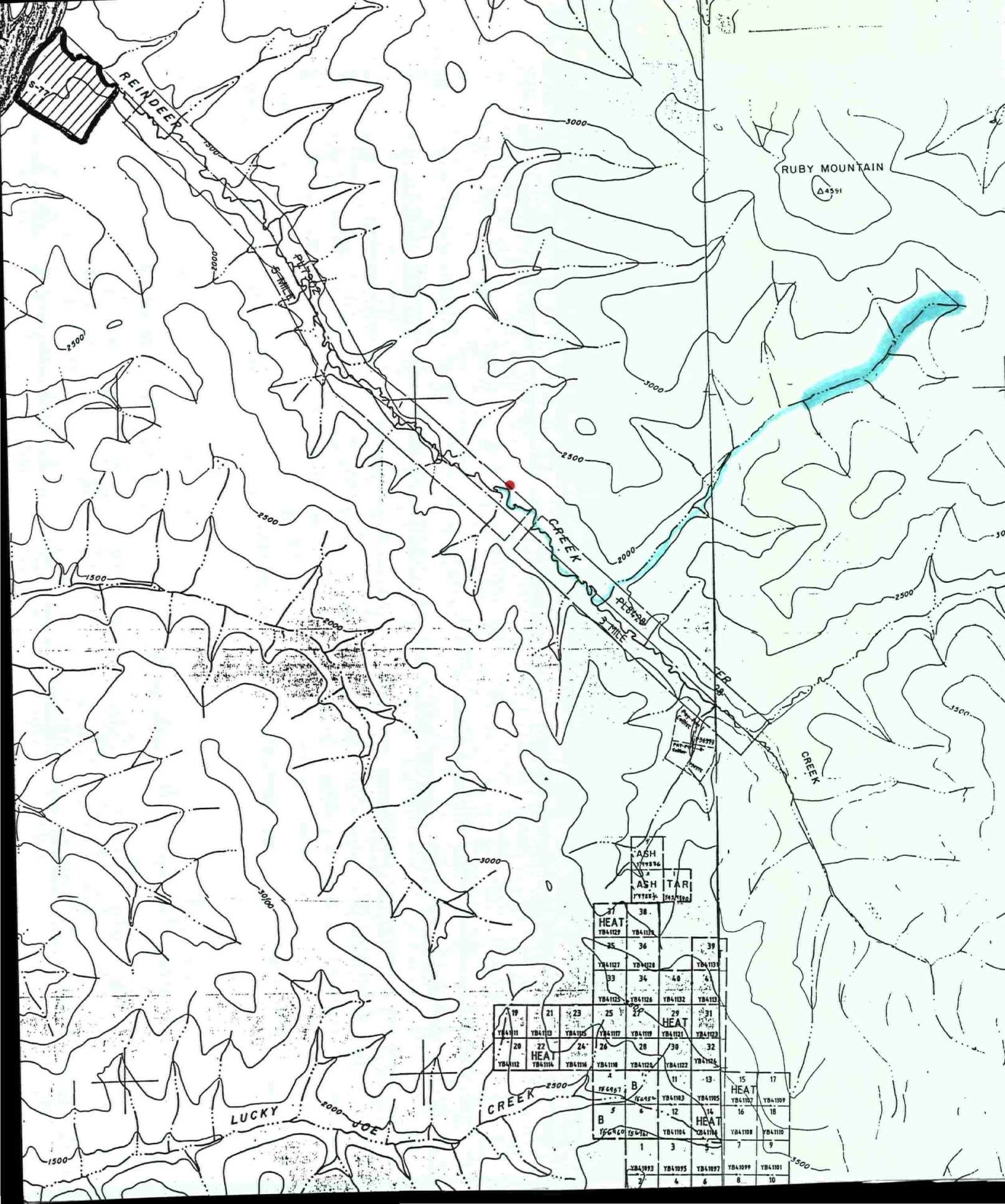






OCT. 12      cloudy -10'

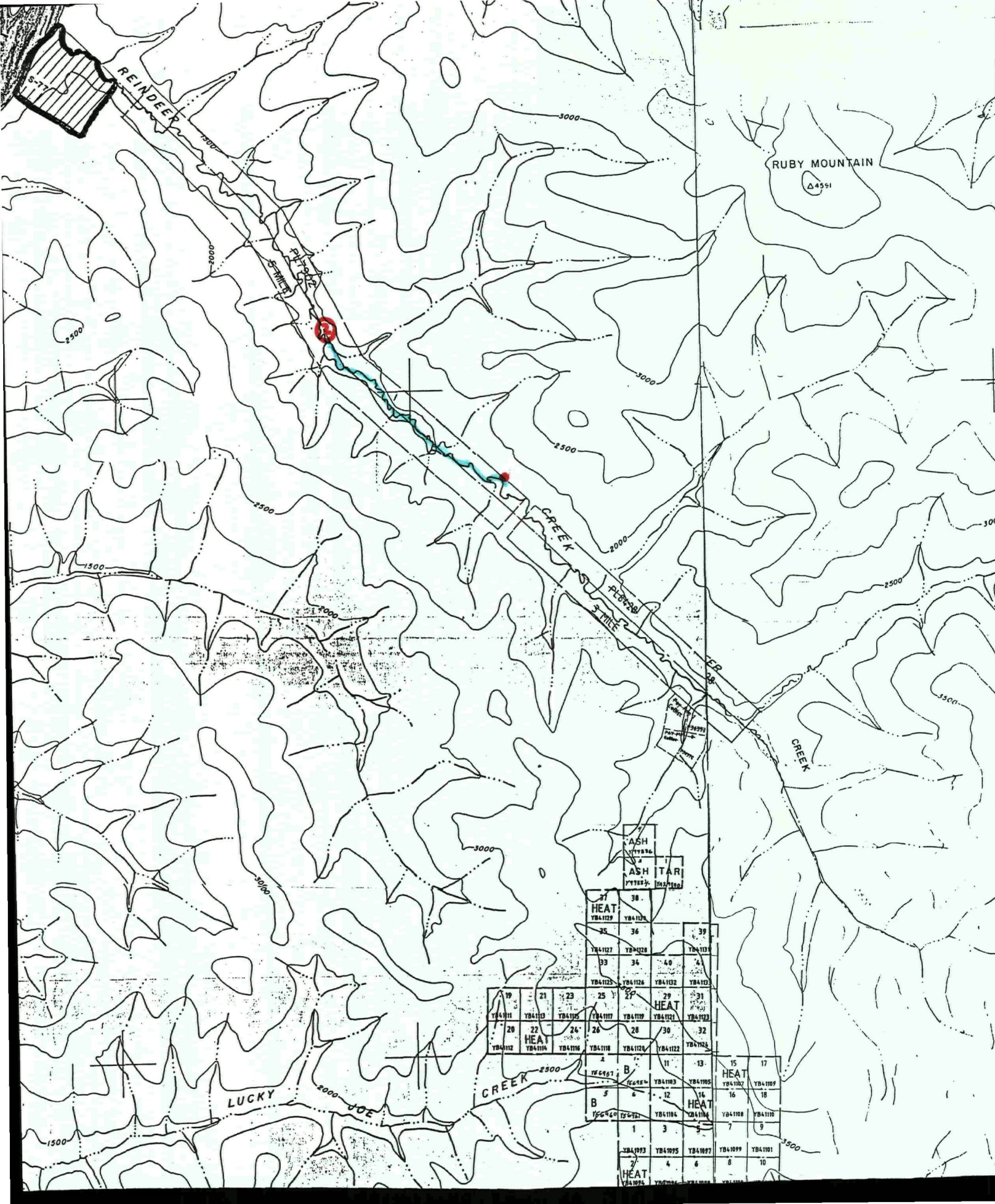
Returned to tributary visited on the 10th and 11th to prospect the headwaters to the 3000' level. Snow was 1.5' deep here. Panning resulted in recovering abundant coarse garnet, minor magnetite, no sulphides, no gold. No limestones were observed, nor any rock types besides granite gneiss, that showed any alteration or mineralization.



**OCT. 13     cloudy   -15'**

Walked down to Mike's camp. Pit #2 was finished due to water seepage at 8 feet. Pit was 8' deep X 4' wide X 5' long. Mike started on pit #3. Panning the bottom of pit #2 resulted in recovering 2 pieces coarse gold, minor very fine gold, abundant coarse garnet, abundant coarse magnetite, no sulphides. All pans taken from this level to 3' resulted in no gold being recovered, but yielded minor coarse garnet, minor coarse magnetite, no sulphides. From 3' level to surface, panning yielded minor very fine gold, minor very fine garnet and magnetite. Gravels were angular granites and a few quartz boulders, none bigger than 1 1/2' in diameter. Checked on Yukon River. Shore ice building up. Told Mike to work until 15th and then return to Dawson. Stayed at his camp.



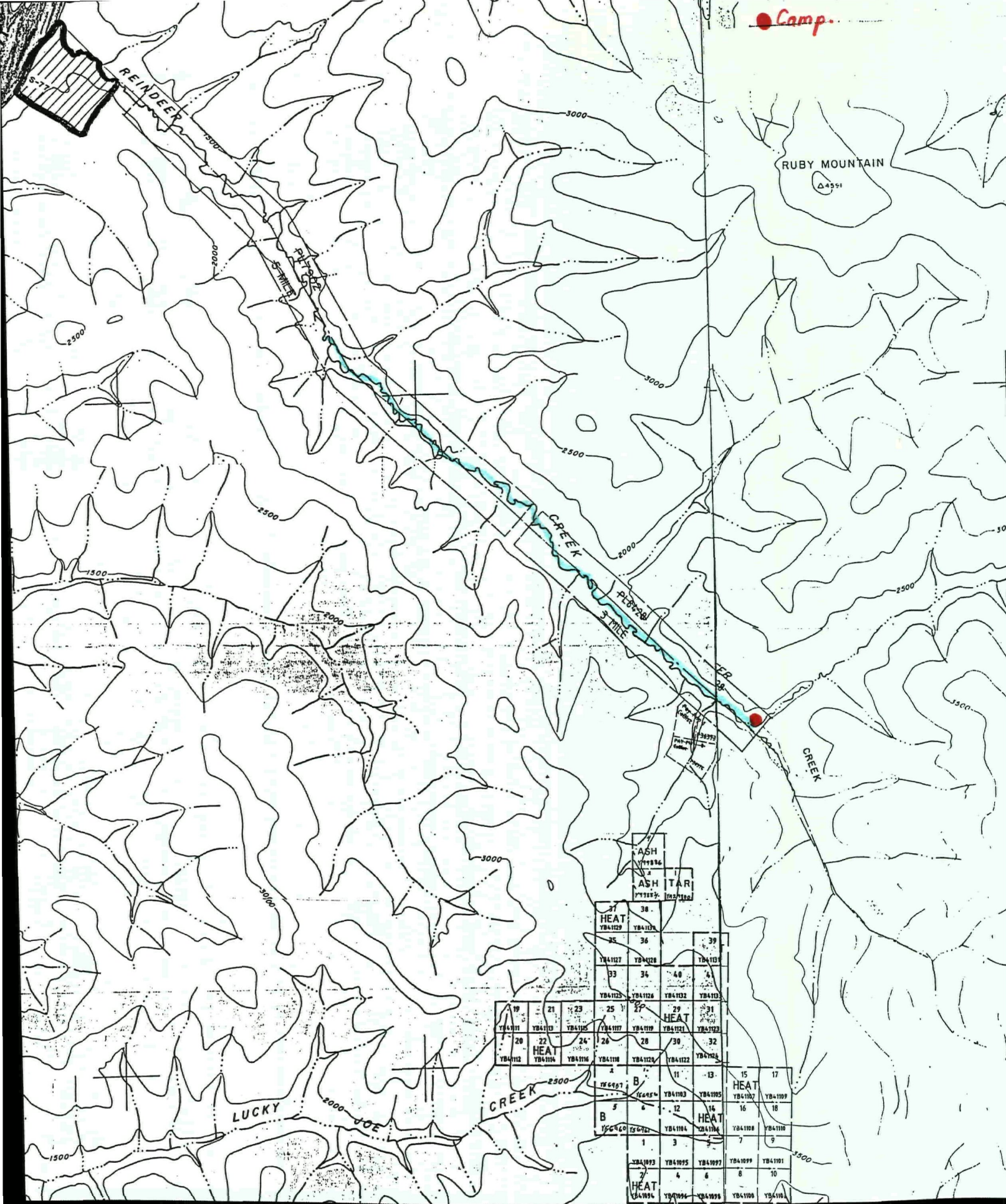


OCT. 14    cloudy   -15'

Went back upstream to my camp and started moving gear to new campsite at approximately 10 miles upstream from Yukon River where Reindeer forks.



Camp.



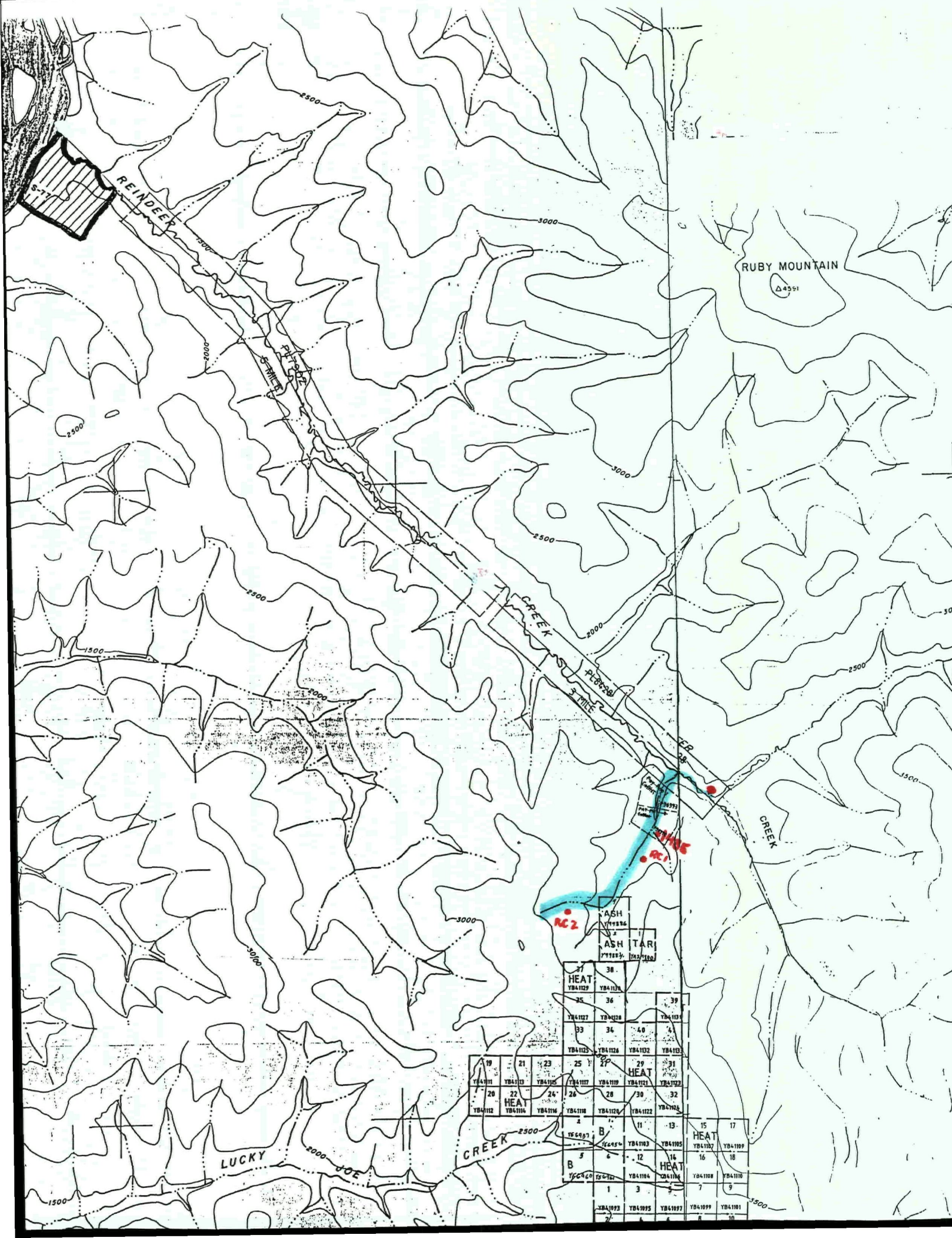


OCT. 15     cloudy   -10°

Prospected pup downstream from camp on the south side of Reindeer. Panning just upstream from the mouth resulted in minor fine garnet and magnetite with no gold. Outcrops at this point showed no visible mineralization. At approximately 3/4 mile upstream from mouth of this pup sample (RC#1) was taken from granite gneiss outcrop which contained disseminated pyrites. Panning stream gravels resulted in recovering minor fine garnet, fine magnetite, no sulphides or gold. Went up tributary that enters from the west and took sample (RC#2) from granite gneiss which contained disseminated pyrites. Some samples which were mortared and panned did not yield any gold but contained abundant fine pyrites. When these pyrites were crushed, no visible gold was observed.

Sample site (RC#1) was in the vicinity of stream sediment survey sample location 1435:

<i>Flouride in water</i>	<i>1500 ppb</i>
<i>Uranium in water</i>	<i>9 ppb</i>
<i>Cu</i>	<i>123 ppm</i>
<i>Au</i>	<i>1 ppb</i>



RUBY MOUNTAIN

Δ4591

CREEK

CREEK

LUCKY

JOE

CREEK

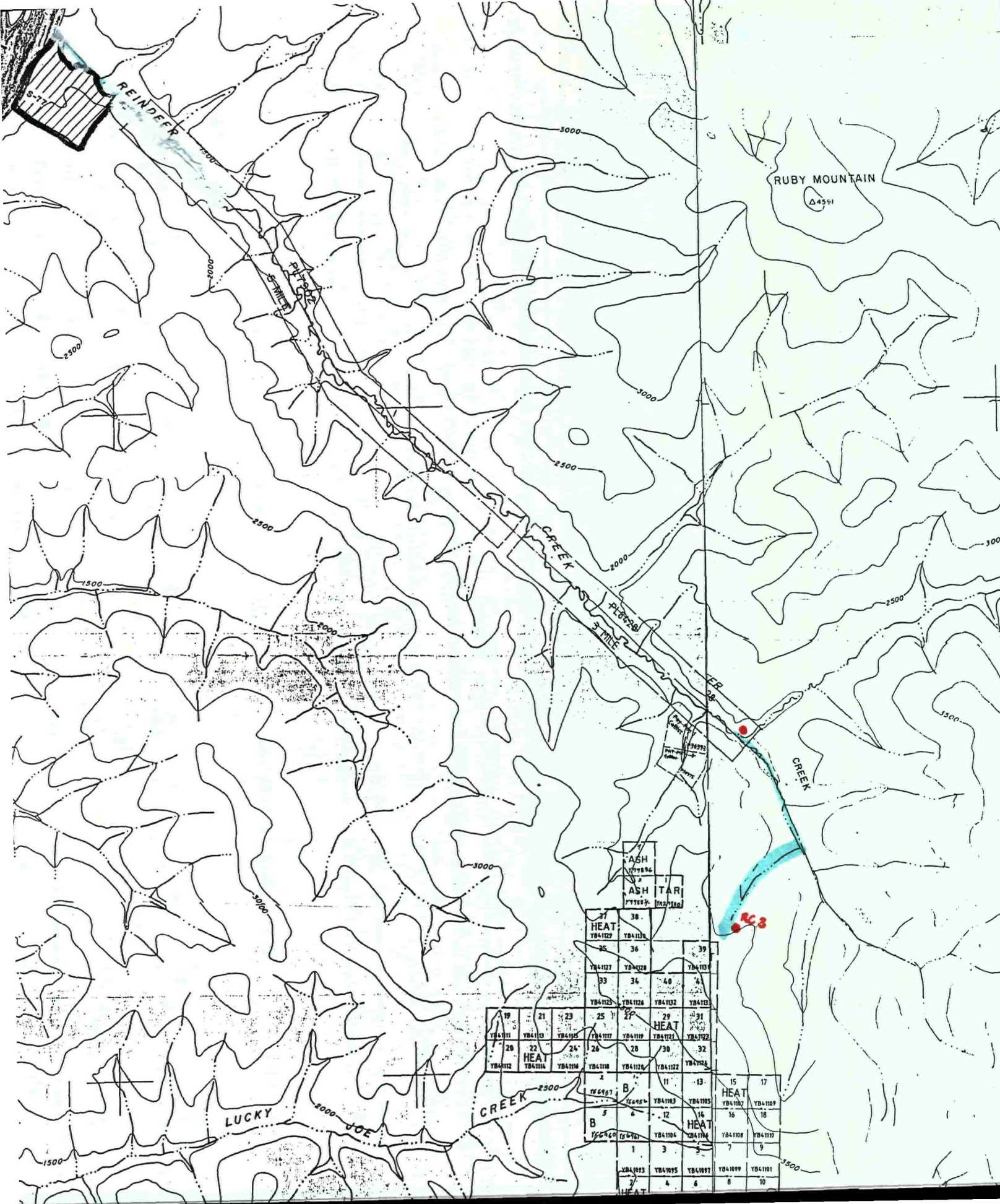
ASH  
TAR

37 HEAT YB41129	38 YB41130	39 YB41131
35 YB41127	36 YB41128	40 YB41129
33 YB41125	34 YB41126	41 YB41127
31 YB41123	32 YB41124	42 YB41125
29 HEAT YB41121	30 YB41122	43 YB41123
27 YB41119	28 YB41120	44 YB41121
25 YB41117	26 YB41118	45 YB41119
23 YB41115	24 YB41116	46 YB41117
21 YB41113	22 YB41114	47 YB41115
19 YB41111	20 YB41112	48 YB41113
17 HEAT YB41109	18 YB41110	49 YB41111
15 YB41107	16 YB41108	50 YB41109
13 YB41105	14 YB41106	51 YB41107
11 YB41103	12 YB41104	52 YB41105
9 YB41101	10 YB41102	53 YB41103
7 YB41099	8 YB41100	54 YB41099
5 YB41097	6 YB41098	55 YB41097
3 YB41095	4 YB41096	56 YB41095
1 YB41093	2 YB41094	57 YB41093



OCT. 16      cloudy -15'

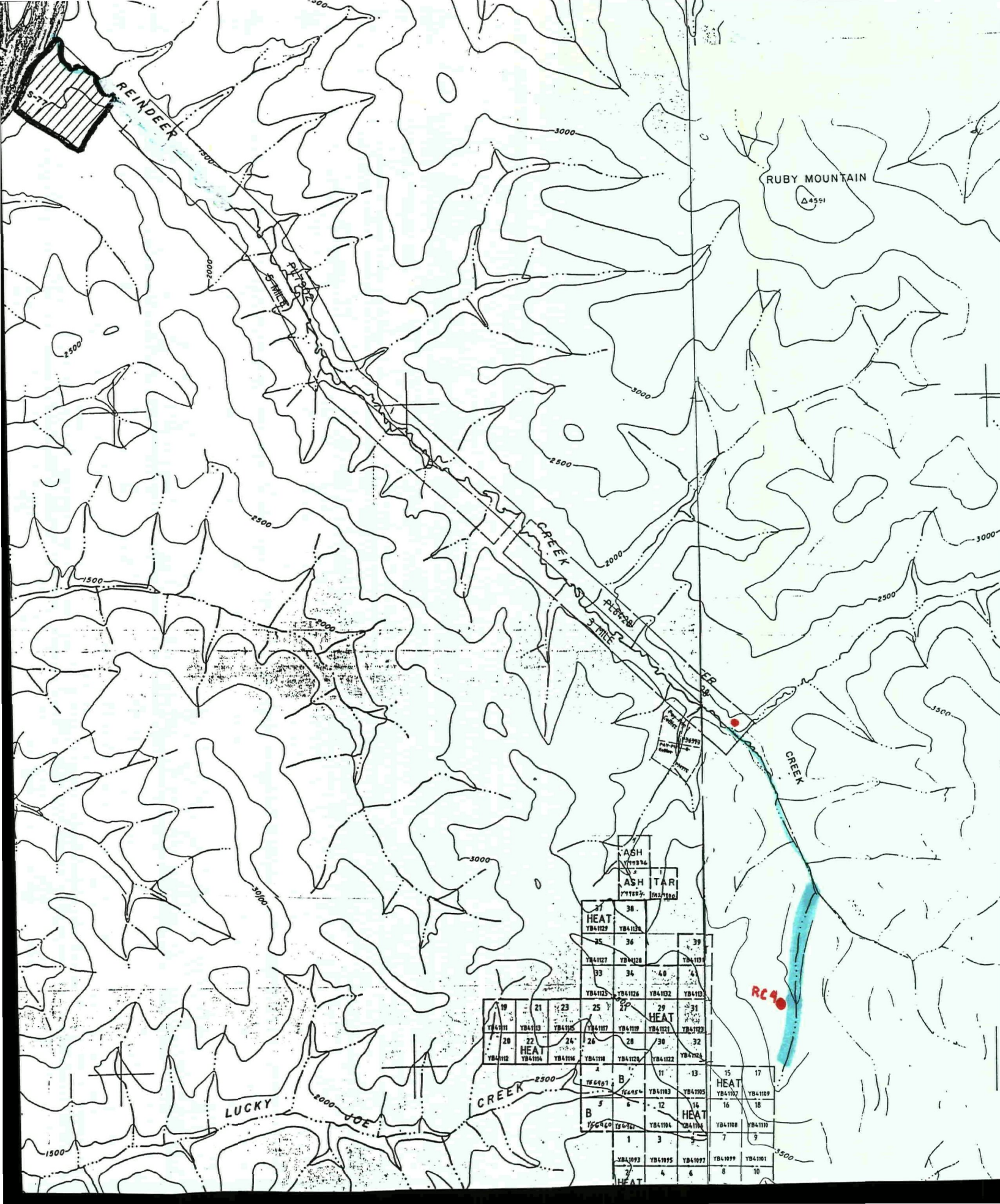
Prospected first pup upstream from camp, south of Reindeer. Panning just upstream from mouth yielded minor fine garnet, magnetite, no sulphides or gold. Sample taken from granite gneiss outcrop at approximately 3000' level (RC#3) contained disseminated pyrites. This rock type was found on both sides of the valley at this level which may have slid down from the hillsides. Granite gneiss angular stream gravels also contained disseminated pyrites. Mortaring samples yielded abundant fine pyrites, when crushed further, showed no visible free gold.





OCT. 17      cloudy +10'

Prospected second pup upstream from camp, south side of Reindeer. Panning stream gravels (angular granites) resulted in every pan containing abundant fine garnet, minor coarse magnetite, no pyrites or gold. No outcrops were observed until approximately 2500' level. Granite gneiss outcrops at this point contained disseminated pyrites. Sample (RC #4) was taken here. Stream gravels also contained disseminated pyrites. Mortaring showed no visible free gold.





**OCT. 18      cloudy   -15'**

Prospected area approximately 2 1/2 miles upstream from camp where the creek forks. Went up tributary entering from the south. Outcroppings on the west side of tributary were granite gneiss, slide rock off of east side, gabbro (peridotite?) with no visible mineralization being found in any of the rocks examined. Panning stream gravels yielded minor fine garnet, magnetite, no sulphides, no gold. At approximately 2500' level granite gneiss on both west and east sides of this tributary showed disseminated pyrites and sample (RC#5) was taken. Mortaring some of the samples yielded no visible free gold.

RUBY MOUNTAIN

Δ4591

Δ4116  
REINDEER MOUNTAIN

ASH		ASH		TAR	
YB41129		YB41130		YB41131	
35		36		39	
YB41127		YB41128		YB41131	
33		34		40	
YB41125		YB41126		YB41132	
19		21		23	
YB41131		YB41132		YB41133	
20		22		24	
YB41112		YB41114		YB41116	
HEAT		HEAT		HEAT	
YB41117		YB41119		YB41121	
26		28		30	
YB41120		YB41122		YB41124	
B		B		B	
YB41127		YB41128		YB41129	
11		12		13	
YB41183		YB41184		YB41185	
HEAT		HEAT		HEAT	
YB41186		YB41187		YB41188	
1		2		3	
YB41193		YB41195		YB41197	
HEAT		HEAT		HEAT	
YB41194		YB41196		YB41198	

RLS

PL0508

5 MILE

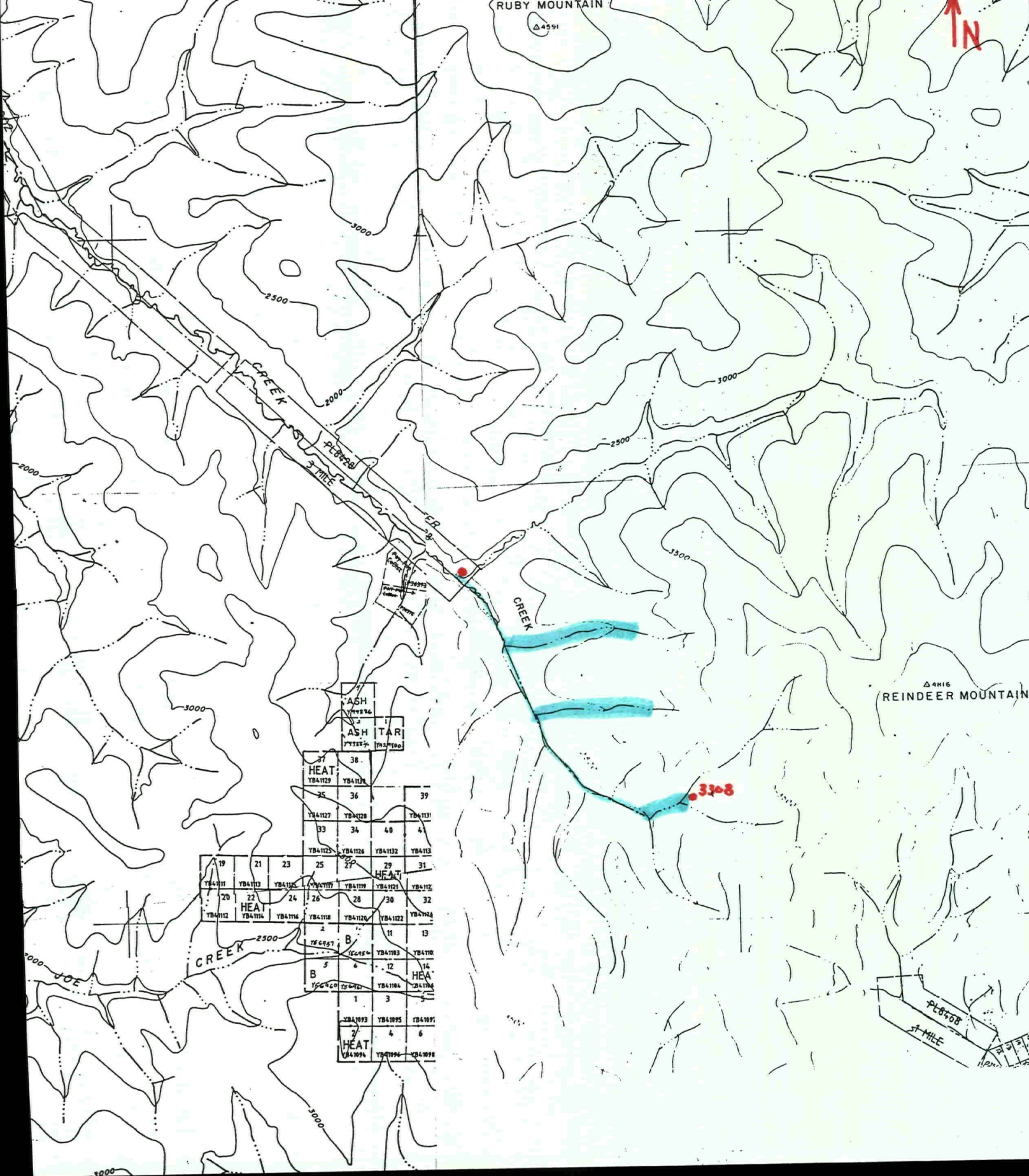


OCT. 19      cloudy   -12'

Went upstream to first pup, north side of Reindeer. Panning recovered minor fine garnet, minor fine magnetite, no sulphides, no gold. Outcrops were granite gneiss. Went upstream Reindeer to next pup entering from the north. Panning yielded very minor garnet, no magnetite, no sulphides, no gold. Went approximately 1 1/2 miles upstream Reindeer to check stream sediment site location 3308. Panning resulted in recovering minor fine garnet, no other heavy minerals. No mineralization was observed in granite gneiss.

*Sample Site 3308*

<i>Zn</i>	<i>104 ppm</i>
<i>Mn</i>	<i>460 ppm</i>
<i>U</i>	<i>53 ppm</i>
<i>Au</i>	<i>5 ppb</i>



ASH				ASH			
777836				777836			
ASH				TAR			
777322				777322			
37				38			
HEAT				HEAT			
YBA 1129				YBA 1130			
35				36			
YBA 1127				YBA 1128			
33				34			
YBA 1125				YBA 1126			
YBA 1123				YBA 1122			
YBA 1121				YBA 1120			
31				32			
HEAT				HEAT			
YBA 1119				YBA 1118			
30				31			
YBA 1117				YBA 1116			
29				30			
YBA 1115				YBA 1114			
28				29			
YBA 1113				YBA 1112			
27				28			
YBA 1111				YBA 1110			
26				27			
YBA 1109				YBA 1108			
25				26			
YBA 1107				YBA 1106			
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YBA 1103				YBA 1102			
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**OCT. 20      cloudy   -18**

Cached gear and went up left fork Reindeer. Granite gneiss on both sides of the valley. No mineralization was observed. Panning resulted in abundant fine garnet, magnetite, no sulphides or gold. At approximately 2 1/2 miles upstream is the vicinity of stream sediment sample site 3309. Panning from mouth of tributary entering from the west showed minor fine garnet, no other heavy minerals. Outcrops were granite gneiss with no visible mineralization. Large slabby granites from talus coming off east side of valley filled creek proper, also large quartz boulders. Snow 2' deep at this site.

*Stream Sediment Sample Site 3309*

*Ba                      1060 ppm*

*Cu                      28 ppm*

*Au                      16 ppb*

Walked up upper reaches of left fork Reindeer. Limestones evident just upstream from granite gneiss talus. No samples were taken because of weight restrictions. Will revisit the area at a later date to check gneiss limestone contacts. Stream sediment sample site 3310 is in this area. Set up camp on summit between Reindeer - Ruby Creek.

*Sample Site 3310*

*Zn                      115 ppm                      Hg                      60 ppb*

*Cu                      26 ppm                      Mn                      900 ppm*

$\Delta 4591$

△ 4M16  
(REINDEER MOUNTAIN)

PL8468

57 MILE



**OCT. 21      light snow   -12'**

Went down summit to Ruby Creek, out of limestones and into schisty granite gneiss where outcrops were exposed. No mineralization was observed. Reached Indian River and was picked up by operators working for S. Schmidt. Spent evening at their camp.

OCT. 22      cloudy -15'

Caught ride into Dawson. Mike Raible had left Reindeer Creek on the 15th. He reported pit #3 frozen at 3'. Burned down to 5'. Material excavated was silty angular granites with no heavy minerals recovered from panning.



28-Oct-92 date

Assay Certificate

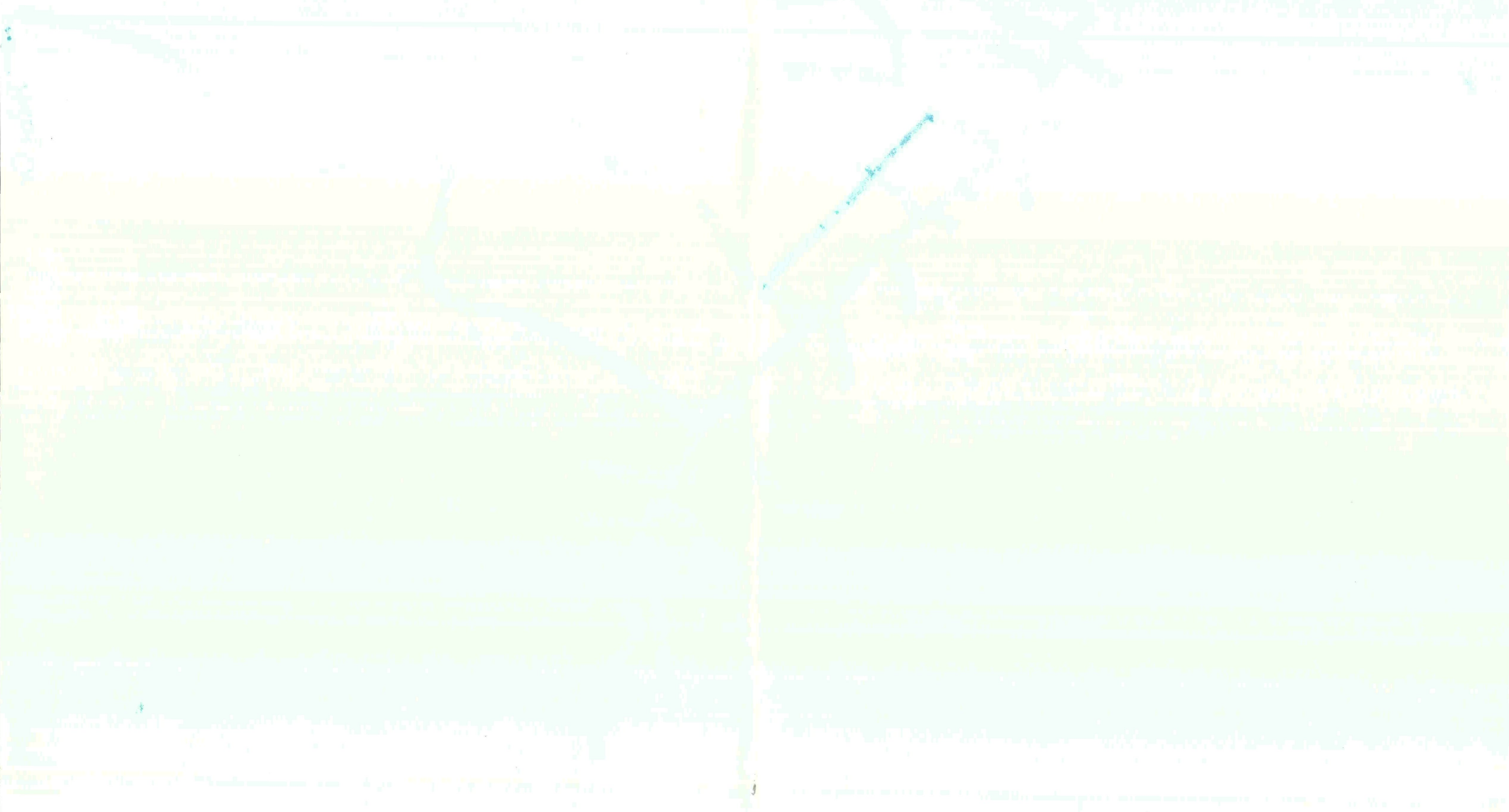
page 1

Jerry Bryde

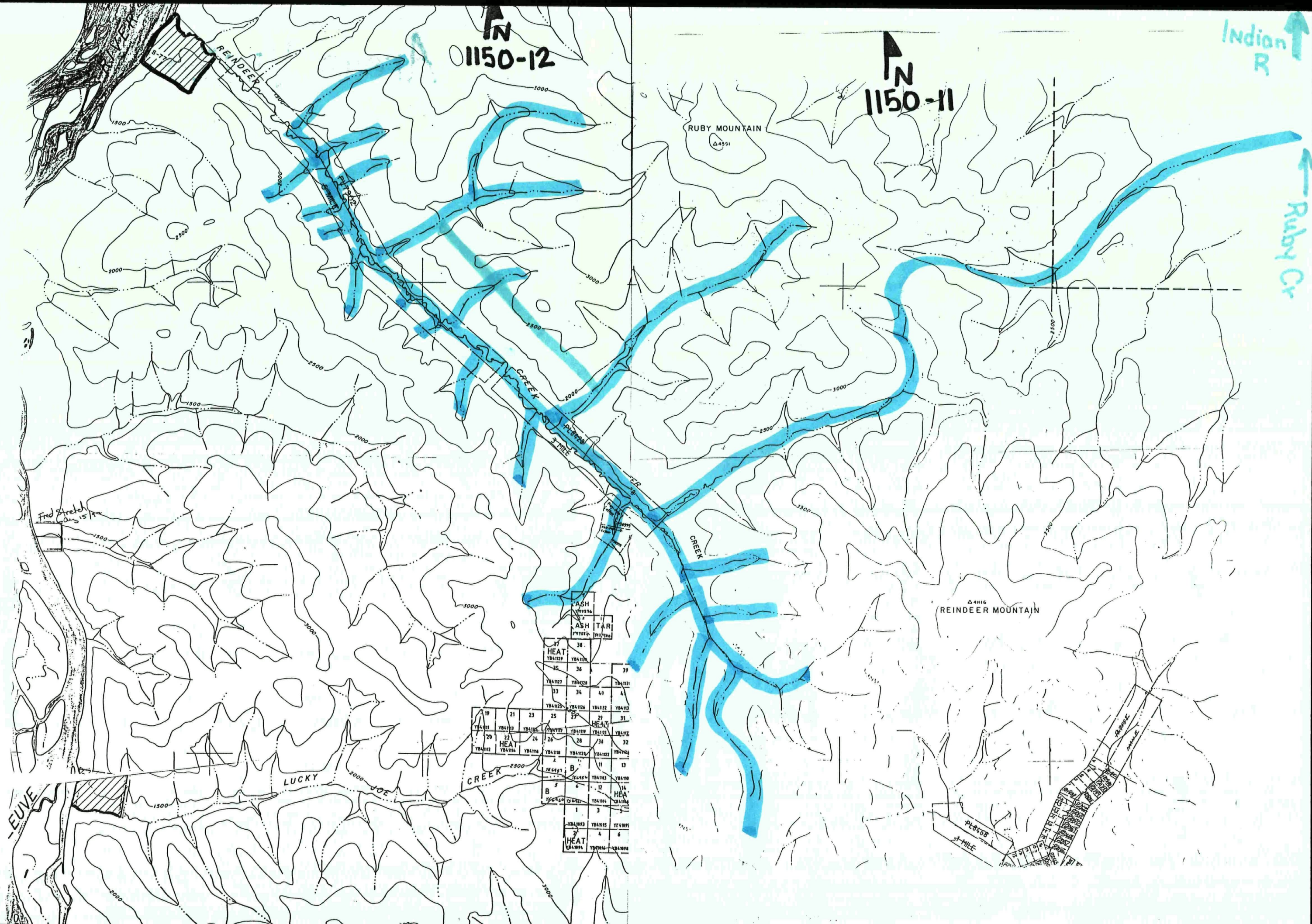
WO#13851

Sample #	Au ppb	Au oz/ton	Ag ppm	Cu ppm
RC1	11	<0.002	0.5	513
RC2	9	<0.002	0.3	343
RC3	9	<0.002	0.1	37
RC4	18	<0.002	0.1	35
RC5	12	<0.002	0.2	337

# Areas Visited







N  
1150-12

N  
1150-11

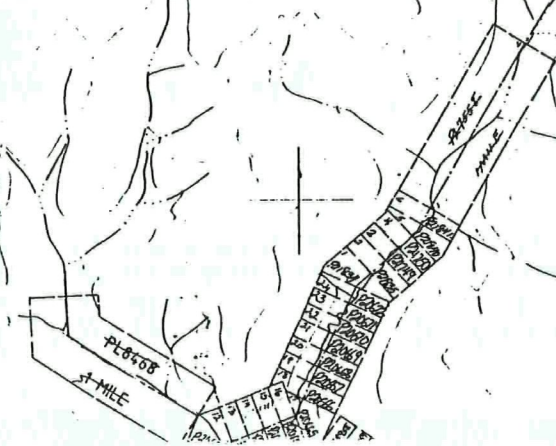
Indian R

Ruby Cr

RUBY MOUNTAIN  
4551

REINDEER MOUNTAIN  
4416

37	38				
HEAT	YBA1129	YBA1128	YBA1127	YBA1126	YBA1125
35	36	39			
YBA1127	YBA1128	YBA1129	YBA1130	YBA1131	YBA1132
33	34	40	4		
YBA1125	YBA1126	YBA1127	YBA1128	YBA1129	YBA1130
19	21	23	25	27	29
YBA1111	YBA1112	YBA1113	YBA1114	YBA1115	YBA1116
20	22	24	26	28	30
HEAT	YBA1117	YBA1118	YBA1119	YBA1120	YBA1121
1	2	3	4	5	6
YBA1111	YBA1112	YBA1113	YBA1114	YBA1115	YBA1116
10	11	12	13	14	15
YBA1117	YBA1118	YBA1119	YBA1120	YBA1121	YBA1122
7	8	9	10	11	12
YBA1123	YBA1124	YBA1125	YBA1126	YBA1127	YBA1128
1	2	3	4	5	6
YBA1129	YBA1130	YBA1131	YBA1132	YBA1133	YBA1134
HEAT	YBA1135	YBA1136	YBA1137	YBA1138	YBA1139





## EXPENDITURES

### **June 8/'92 - June 18/'92 (10 days)**

Bill Read labour @\$100 a day	\$1000.00
Bill Read expenses @ \$52.85 a day	528.50
Bill Read boat rental @ \$75 a day	750.00
Ron Myles emergency radio rental @ \$25 a day	250.00
Jerry Bryde expenses @ \$52.85 a day	<u>528.50</u>
Total .....	\$3057.00

### **Oct. 1/'92 - Oct. 15/'92 (15 days)**

Mike Raible labour @ \$100/day	\$1500.00
Mike Raible ATV rental @\$100/day	1500.00
Mike Raible expenses @ \$52.85/day	792.75
Ron Myles emergency radio rental @ \$25/day	375.00
Bill Read boat rental @ \$75/day	1125.00
Jerry Bryde expenses @ \$52.85/day	<u>792.75</u>
Total .....	\$6085.50

### **Oct. 16/'92 - Oct. 22/'92 (7 days)**

Ron Myles emergency radio rental @ \$25/day	175.00
Jerry Bryde expenses @ \$52.85/day	<u>369.95</u>
Total .....	\$ 544.95

### **Travel expenses Dawson-Whitehorse Oct. 26**

542 km @ 38.5/km	208.67
Assays	47.73
Report preparation	<u>32.17</u>
Total .....	\$288.57

**TOTAL EXPENDITURES ..... \$9 976.02**

N  
1150-12

N  
1150-11

RUBY MOUNTAIN

Δ4591

CREEK

CREEK

Δ4116  
REINDEER MOUNTAIN

RC1

RC2

RC3

RC4

RC5

ASH		ASH		TAR	
YB41129		YB41130		YB41131	
37		38		39	
YB41127		YB41128		YB41129	
33		34		40	
YB41125		YB41126		YB41127	
19		21		23	
YB41111		YB41113		YB41115	
20		22		24	
YB41112		YB41114		YB41116	
2		26		28	
YB41118		YB41120		YB41122	
11		13		15	
YB41119		YB41121		YB41123	
12		14		16	
YB41124		YB41125		YB41126	
1		3		5	
YB41193		YB41195		YB41197	
2		4		6	
YB41194		YB41196		YB41198	

PL0608  
1 MILE



## **CONCLUSIONS**

Reindeer Creek carries placer gold near the bottom end, but whether or not it contains enough to be economically feasible would require further investigation. Environmental concerns (Reindeer Creek is at this time unclassified by the Yukon Territory Water Board), state of the economy, and access should be considered before any major expenditures are put into advanced prospecting or development. Bedrock was not reached in any of the test pits and an effort should be made to test for bedrock values. Gold was recovered in some of the top gravels on lower Reindeer Pit#2 yielded two pieces of coarse gold at a depth of 8', and fine gold was recovered at 2-3'. All pits and all other locations yielded garnet and magnetite in varying amounts. Sulphides in gravels were recovered in insignificant amounts all locations except lower Reindeer Creek. Only one pan taken on a north tributary entering Reindeer Creek at midpoint yielded a very minor trace of fine gold. No gold was recovered from any rock samples mortared. The only consistent mineralization observed in the country rock (granite gneiss) was on the upper south side of Reindeer Creek. Although the granite gneiss contained disseminated pyrites, assays showed negligible amounts of gold or silver. Copper values were more prevalent. This area and the area at the headwaters of Lucky Joe Creek were staked by Noranda this summer. The original claims were held for many years by individuals and optioned to Silver Standard-Consolidated Silver Standard and Rio Algom. The granite gneiss - gabbro - limestone contacts (skarn?) were not investigated as much as they could have been due to inclement weather.

## **RECOMMENDATIONS**

Small scale testing at the grass roots level for placer gold on lower Reindeer may show economical gold values for a small placer operation. Also, further testing upstream may show gold values warranting further investigation. Lands Use branch recommends access to Reindeer Creek via Yukon River. Water Resources does not favor multiple stream crossings, and as Reindeer Creek has a very meandering stream course, this would inhibit travelling in the valley of Reindeer Creek with heavy machinery. Further prospecting for lode occurrences would be limited to the granite gneiss on the upper south side of Reindeer Creek, the gneiss - gabbro - limestone (skarn?) contacts to the east and the granite gneiss - limestone contact in the same area. Ultra-mafics reported on the upper reaches of Reindeer Creek deserve future investigation also. Further investigation into the results of previous claim holders' activities and prospecting, may lead to a continuation of any mineralization found to date, with better assay results. I hope to revisit the above areas mentioned and to do specific prospecting during the 1993 season now that target areas have been identified. The benches on the north side of lower Reindeer should also be revisited.



HAVE A GOOD REASON FOR LOOSING FROM THE OLD ANCHORAGE BEFORE GOING IN SEARCH OF A BETTER. DO NOT START ON SUCH A JOURNEY WITH THE IDEA THAT IT IS GOING TO BE SIMPLY A FINE PLAY SPELL, AND THAT WHEN YOU GET THROUGH, YOU WILL TUMBLE INTO SOME GULCH AND COME OUT FORTHWITH LADEN WITH YOUR FORTUNE IN GOLD. BE CONTENT WITH DOING WELL, AND DO NOT RUN AFTER EVERY BIG STORY THAT FLITS THROUGH CAMP. NONE WHO HAVE HOMES AND A REASONABLE MEANS OF LIVELIHOOD SHOULD BE ENTICED BY STORIES, HOWEVER TRUE THEY MAY BE. NOR SHOULD ANY MAN WHO, FROM HAVING BEEN BORN TIRED OR OTHERWISE SO INDISPOSED TO LABOUR AS TO HAVE ALWAYS FAILED TO OBTAIN AN HONEST LIVING, EVER THINK OF SUCCEEDING IN A NEW TERRITORY, BE IT RICH WITH MINERALS OR OTHERWISE. THE DIGGING OF GOLD OR OTHER PRECIOUS MINERALS IS A LOTTERY IN WHICH THERE ARE MANY PRIZES, BUT VERY MANY BLANKS.

**CALIFORNIA PROSPECTOR 1849**