

LUCKY COPPER-GOLD PROSPECT

LOCATION: N.T.S. 92H/10W, 49°32'N & 120°26'W, Minfile 92H/24NE
Similkameen Mining Division, 2800 feet asl

CLAIMS: Lucky & Lucky #2, 4 and 12 units, record numbers 2435
and 2986, expires 20 August 1994 and 29 April 1989.

OWNER: Peter Peto, 125 Bassett Street, Penticton, B.C. V2A 5W1


GEOLOGY:

The claims are underlain by altered dacites and andesites of the Nicola Group which are intruded by diorites of the Summer's Creek intrusion, granodiorites of the Okanagan batholith (G.S.C. Map 888A). A conspicuous, rusty gossen, consisting of highly fractured and altered, pyritic dacites carry chalcopyrite locally. The gossen covers an area of 1000 by 500 meters, astride the Osprey Lake Road, and is associated with a large copper soil anomaly yielding values from 100 to 2700 ppm. The area is characterized by a weak to moderate induced polarization anomaly (5-9% frequency effect). A north trending, gold soil anomaly (50-315 ppb) covers an area of some 300 by 100 meters and appears to be associated with a dacite-andesite contact zone. Recent reverse circulation drilling has tested the anomalous zone to a depth of about 60 to 100 feet below surface, in two holes which resulted in intercepts yielding 0.1-0.6%Cu & 200 - 600 ppb Au over 70 feet and 0.1-0.72% and 74-295 ppb Au over 80 feet (see drill hole cross sections 52 & 54N).

The gossen appears to have been only superficially tested and there is ample scope to test the favourable dacite-andesite contact at greater depths and along strike. The target zone consists of a coincident soil geochem and I.P. anomalies at least 1000 meters long and 30 meters thick. The suggested metallogenic model would be to search for structurally or stratigraphically controlled copper-gold mineralization adjacent to a mesozonal diorite porphyry intrusion in a subvolcanic environment. The topography is amenable to open pit mining of a large low-grade deposit.

REFERENCES: Assessment reports #318 and 6292

22 May 1988


Peter Peto

LUCKY 2

an
Creek

48+00E

50+00E

53+00E

58+00N

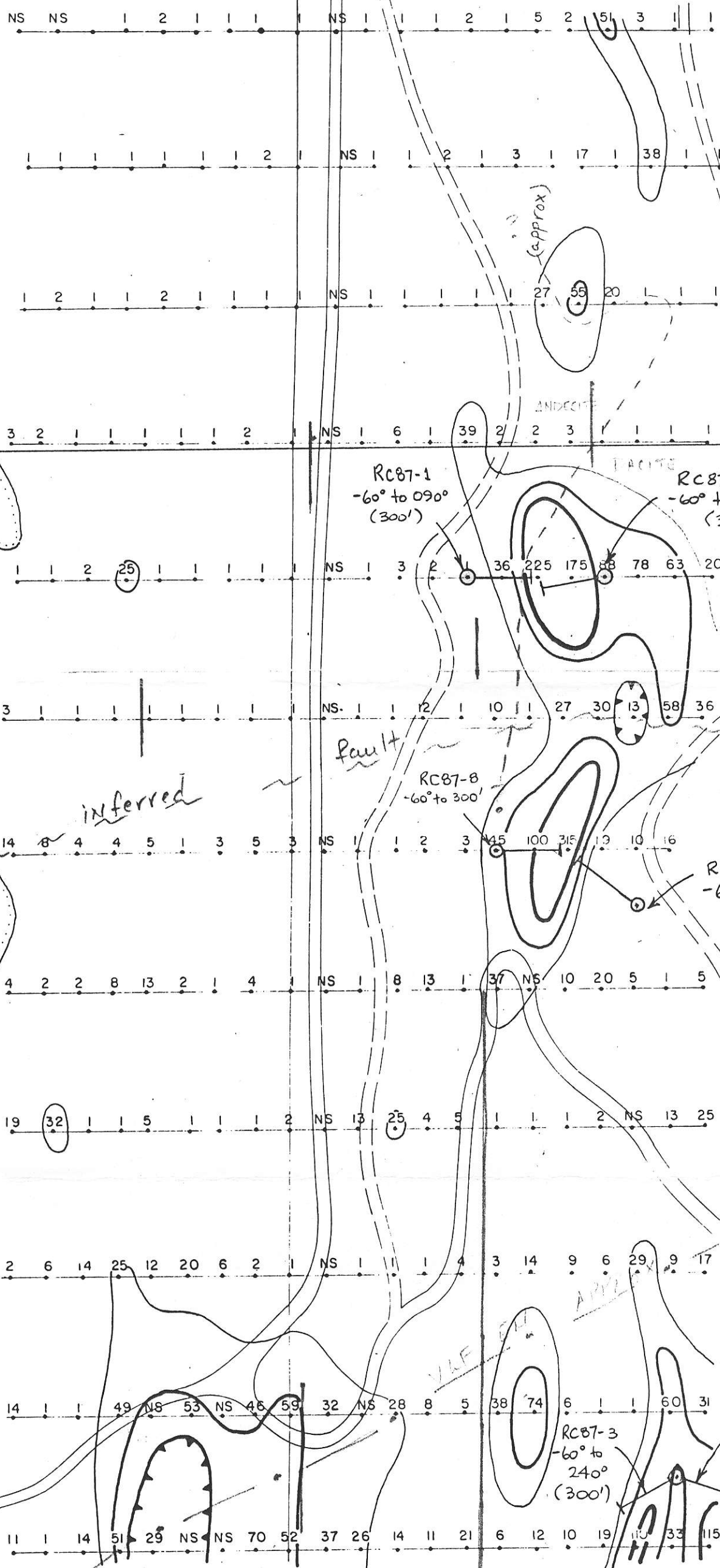
56+00N

54+00N

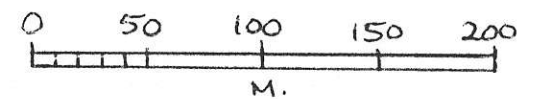
52+00N

50+00N

48+00N



SCALE 1:3333



MODE
I.P.
ANOM

51425

51475E

52100E



2800

2750

2700

2650

2600

2550

RCDH-87-8

(PPM) Copper GOLD (PPb)

NS	205
1467	220
4850	215
4079	250
5324	280
7193	295
5492	205
3882	180
4794	149
3611	210
4251	195
4105	230
4518	132
2701	184
2707	185
2771	157
2110	74
1012	83
808	43
925	72
887	180
327	60
208	55
268	32
562	36
209	30
342	40
420	32
473	22
203	69
223	79
295	52
912	46
366	56
320	46
320	46
282	55
981	30
489	15
1381	47
1395	26
877	46
912	37
993	35
1290	52
1469	46
1829	43
991	56
1544	39
2177	34
1419	29
878	33
1047	16
1060	32
1331	16
809	32

100 ppb Au

GOLD SOIL ANOMALY
DISPERSION

Pyritic OXIDIZED DACITES

Hydrothermally ALTERED GOSSEN

CUT-OFF?

CONTACT ZONE

Pyritic Andesite

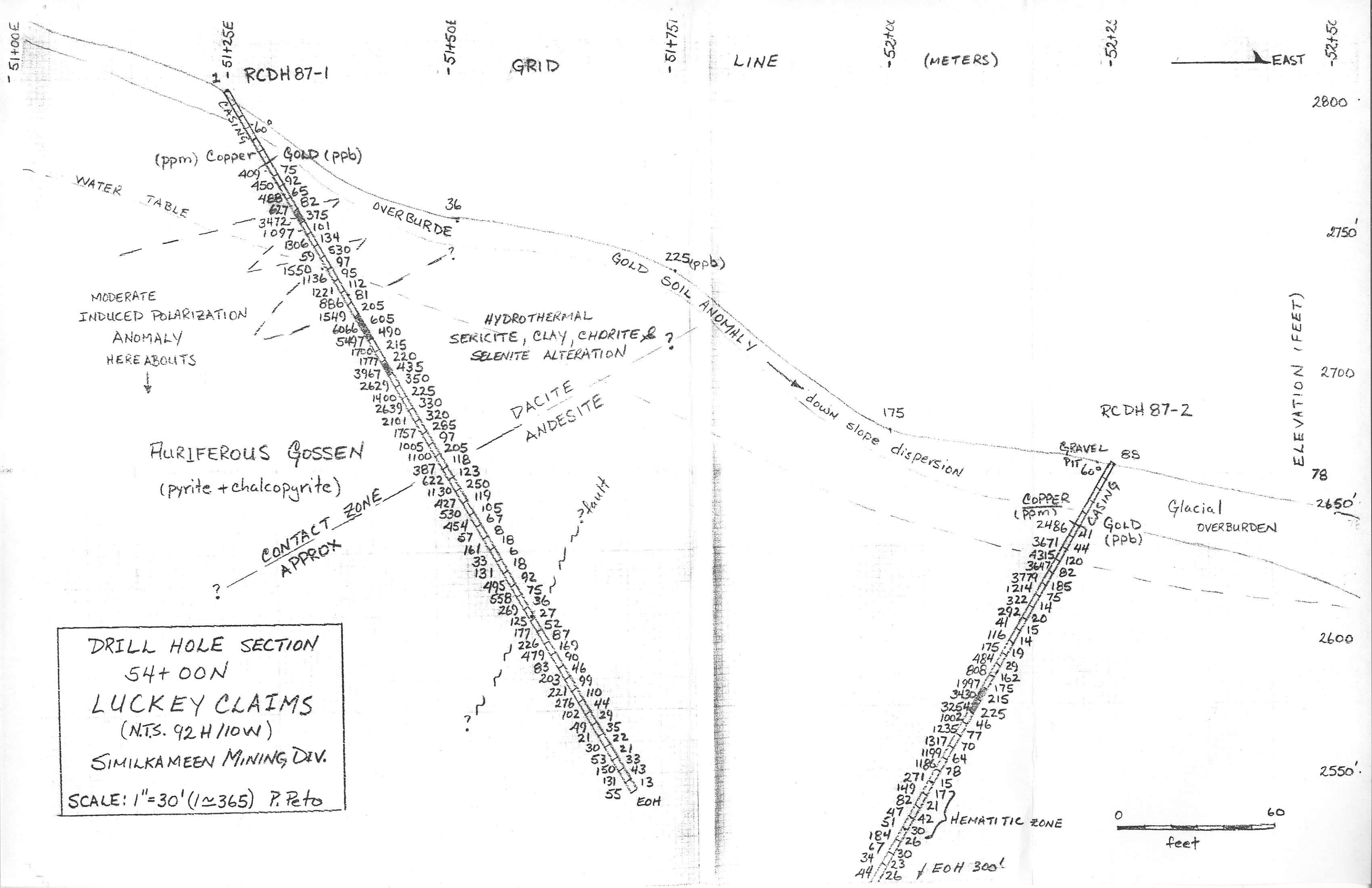
Pyritic felsite

Andesite

DRILL HOLE SECTION
52100N
LUCKEY CLAIMS
N.T.S. 92H / 10W
SIMILKAMEEN MINING DIV.
SCALE 1"=30' (1:365) P. Peto



EDH 300'



DRILL HOLE SECTION
 54+00N
 LUCKEY CLAIMS
 (N.T.S. 92H/10W)
 SIMILKAMEEN MINING DIV.
 SCALE: 1"=30' (1 ≈ 365) P. Peto

(ppm) Copper Gold (ppb)
 409 75
 450 92
 488 65
 627 82
 3472 375
 1097 101
 1306 134
 59 530
 1550 97
 1136 95
 1221 112
 886 81
 1549 205
 606 605
 5447 490
 1700 215
 1777 220
 3967 435
 2629 350
 1400 225
 2639 330
 2101 320
 1757 285
 1005 97
 1100 205
 118 118
 387 123
 622 250
 1130 119
 427 105
 530 67
 454 8
 57 18
 161 6
 33 18
 131 92
 495 75
 558 36
 269 27
 125 52
 177 87
 226 169
 479 90
 83 46
 203 99
 221 110
 276 44
 102 29
 49 35
 21 22
 30 21
 53 33
 150 43
 131 13
 55 EOH

RCDH 87-2
 GRAVEL PIT 60"
 COPPER (ppm) Gold (ppb)
 2486 41
 3671 44
 4315 120
 3647 82
 3779 185
 1214 75
 322 14
 292 20
 41 15
 116 14
 175 19
 484 29
 808 162
 1997 175
 3430 215
 3254 225
 1002 46
 1235 77
 1317 70
 1199 64
 1186 78
 271 15
 149 177
 82 21
 47 42
 51 30
 184 26
 67 30
 34 23
 44 26
 EOH 300'

