BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	2000/2001
REPORT #:	PAP 00-7
NAME:	BRUCE ANDERSON

P20

OPAL PROSPECTING REPORT
ON THE WOW AND ICE CLAIMS

Omineca Mining Division

Burns Lake B.C.

WOW

Map 093L08E U.T.M. Nav 83- 688360E/6024690N

WOW 1 371055 WOW 5 371059

WOW 2 371056 WOW 6 371060

WOW 3 371057 WOW 7 371061

WOW 4 371058 WOW 8 371062

ice

U.T.M. Nav 83- 687400E/6023730N

ICE 1 371451 ICE 3 371453

ICE 2 371452 ICE 4 371454

Prepared for the

British Columbia Ministry

of Energy and Mines

Prospectors Assistance Program

by

R.B. Anderson, Prospector

January 8, 2001

SUMMARY

Over the summer of 2000, I, R.B. Anderson, with the assistance of Chris Warren and Robert McFadden, under took two soil grids over the WOW and ICE properties. The purpose of which was delineate areas of high opal content and thus determine where precious opal might be found. 554 ten kilogram samples of B horizon soil were taken, 374 from the WOW and 180 from the ICE. Samples were taken 50 meters apart on ribbon lines 100 meters apart. Samples were then washed and screened to + 3mm size. Fragments of opal or chalcedony 5mm diameter or less were counted as "shards" and assigned a value of 2 for each shard. Multicolored opal shards were assigned a value of 1, due to the difficulty of accurate identification. Opals and chalcedony were plotted separately. Larger fragments were assigned values based on total dimensions, multicolored opal is 8 per cubic centimeter, 16 per cubic centimeter for common white, blue or crystal opal and chalcedony. Such larger fragments are "chunks" and plotted separately from the shards. Any crystal opal found was noted and plotted, (crystal opal is belived to be an indicator of potential precious opal). Contouring of plotted values was arrived at by dividing the total shard value of sample sites by the total number of sites, so; 7,826 divided by 554 equals 14.12, 208 sites above 14.12 in value, total value of these sites are 5,598, so 5,598 divided by 208 equals 26.91. The same process was applied to chalcedony shards.

Unfortunatly no precious opal was found, however opal shard values were consistantly reproduced upon resampling. Further sampling within a delineated high opal content zone will be necessary to determine if precious opal is indeed present.

REGIONAL GEOLOGY

The WOW and ICE claims are underlaid by volcanics of the Oligocene-Miocene Endako group. J.E. Armstrong described it so*: This group consists of relativly flat lying lava flows comprised chiefly of green, red, brown and black dacite, andesite and basaltic, amygdoidal and vesicular flows. The degree of vesicularity varies greatly and in places resembles pumice. Larger vesicules show horizontal elongation and average an inch in length. Chalcedonic and opalescent quartz, cream colored calcite, chlorite, pectonlite, prchnite and zeolites form the amygdules.

LOCAL GEOLOGY

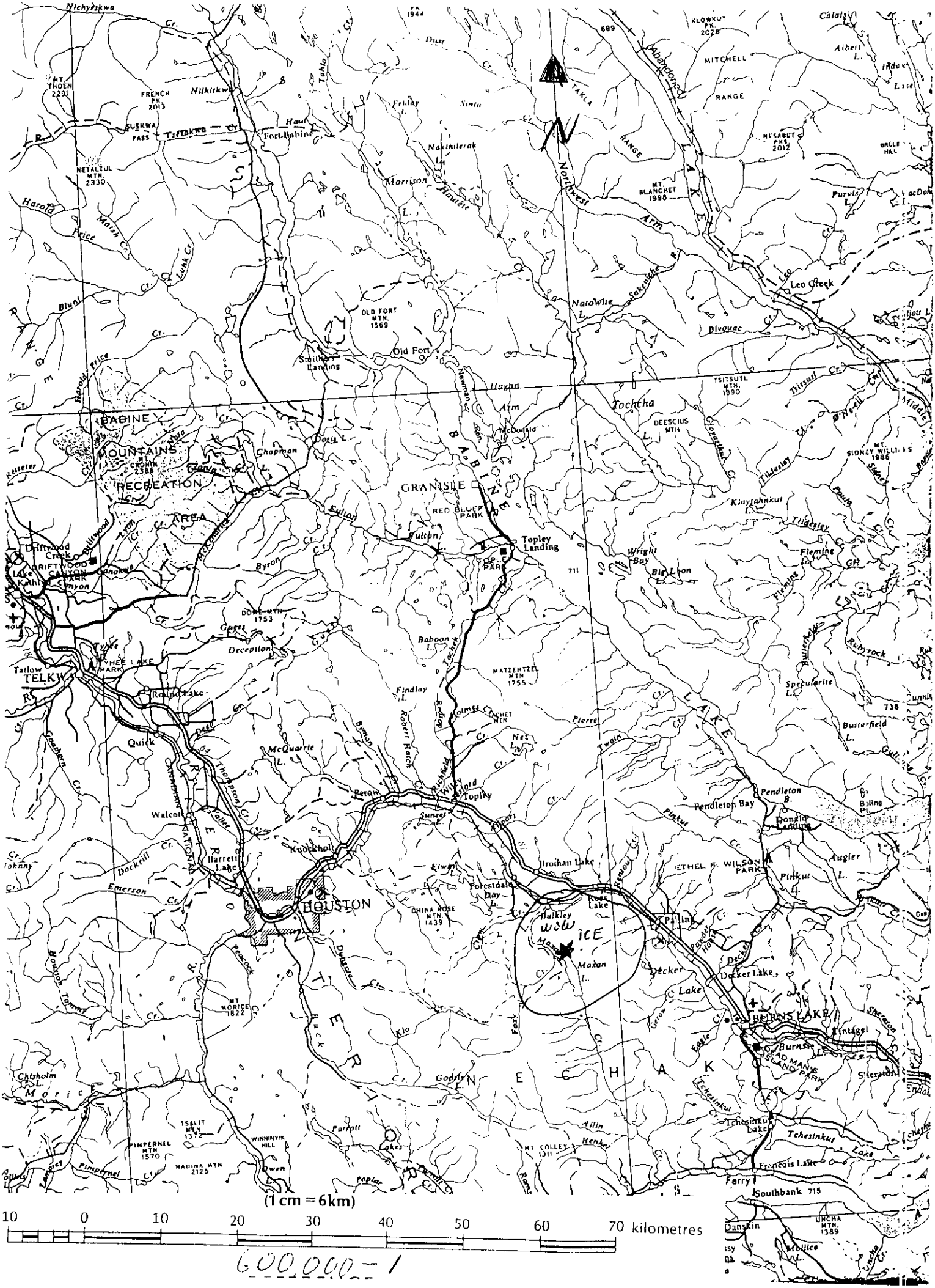
The WOW property boasts very little outcrop, all an andisitic breccia with clasts of basalt anywhere from 10mm to 75cm in diameter, chlorite and limonite alteration is pervasive. The opal found here falls into four groups, multicolored (white, tan, brown, black, red and green) boulders of common opal averaging 10-20cm in diameter, bone white fragments of mammillary opal, white to smcky hydrophane, found as infill in geodes and mammillary masses and translucent blue to clear crystal opals, also found as mammillary masses. The best quality opal found was a 590 gram translucent blue mammillary mass. All the mamillary opals found are obviously the remains of much larger opal geodes. Of equal interest are the large mammillary chalcedony geodes, hosted in multi colored opal, the largest measured 60cm interior diameter.

*G.S.C. Memoir 252, pages 74-75

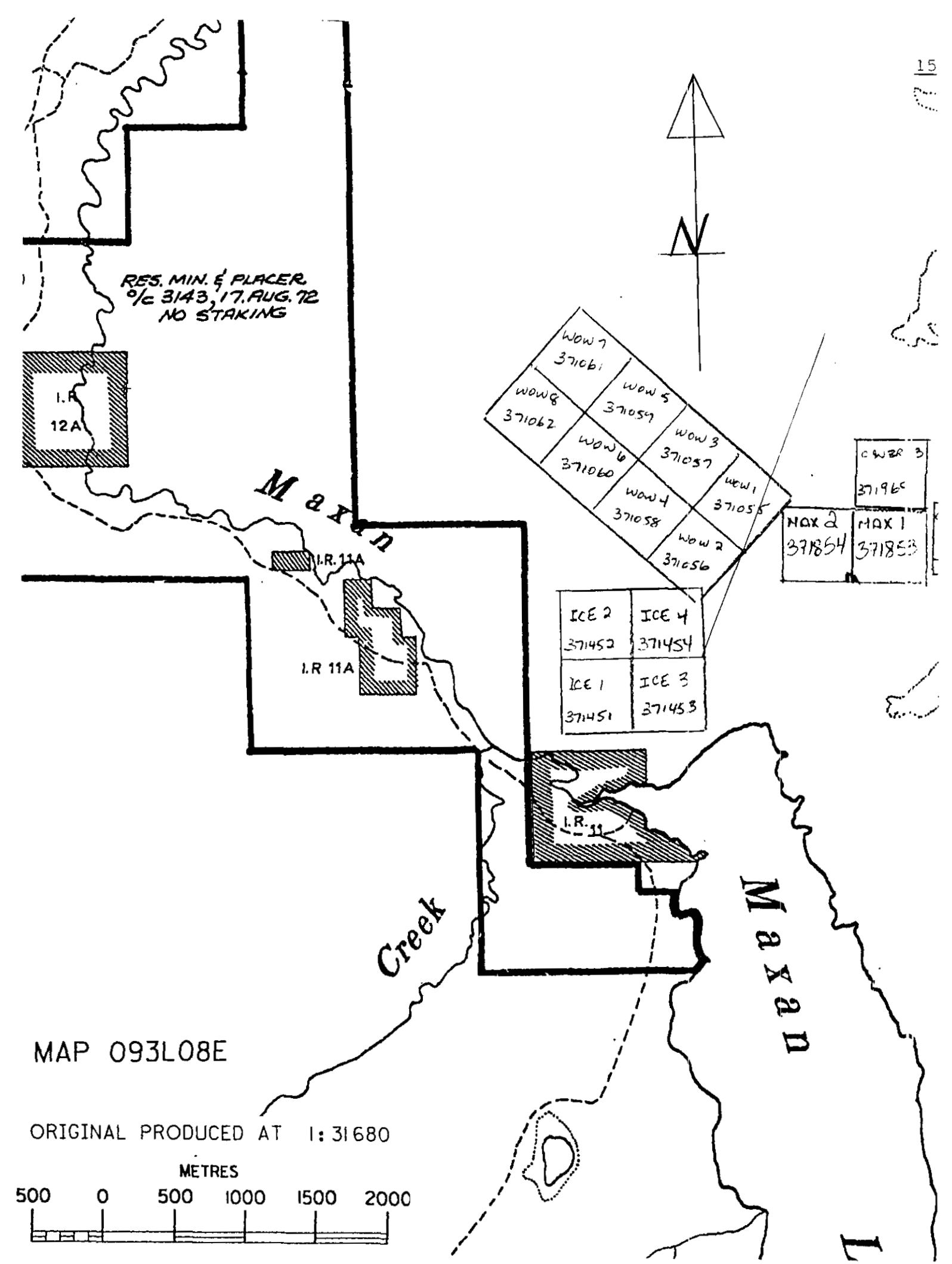
Almost all opal found was float hosted in or on dense light brown clay. I belive this clay to be an altered andisite with silica rich clasts surviving. ie No glacial till in area.

The ICE property has no outcrop, however examination of float and clays lead me to belive that the ICE is underlain with an andisitic breccia containing basalt clasts similar to the WOW property. The opal found on the ICE is predominatly multicolored (white, tan, brown, black, red and green) common opal, found as boulders ranging in size from 5cm diameter pebbles up to the largest, a boulder 70 X 30 cm and weighing approximately 25 kilograms. An estimated 175 kilograms of this multicolored opal has been collected in the course of exploration.

- discussed with applicant


Nichyeskwa Cr.
MT. YHOEN 2251
FRENCH PK. 2013
Nilkitkwa R.
SUSKWA PASS
Tsitakwa Cr.
Fort Babine
Tahla R.
Dust Cr.
1944
Friday
Sinta
Nakinilerak L.
Morrison L.
Houlette
TAKLA RANGE
Abandoned
KLOWKUT PK. 2028
Calais
Albert L.
MITCHELL RANGE
MESABUT PKS. 2012
ORGILE HILL
MT. BLANCHET 1998
Purvis L.
MacDonald L.
NETALTUL MTN. 2330
Harold Price Cr.
Matsu Cr.
Lukk Cr.
Bivouac Cr.
OLD FORT MTN. 1569
Old Fort
Smith's Landing
Natowite L.
Sakeshe R.
Leo Creek
Bivouac Cr.
Hagna Arm
Newman Lagoon
McDonald
TSITSUTL MTN. 1990
Thirsutl Cr.
O'Neil Cr.
Middle R.
BABINE MOUNTAINS RECREATION AREA
MT. CRONIN 2386
Chapman L.
Doris L.
Kaiser
Driftwood Creek
DRIFTWOOD CANYON PARK
Lake Kathlyn
Driftwood Canyon
Byron Cr.
Fulton Cr.
GRANISLE
RED BLUFF PARK
Topley Landing
TOPLEY PARK
Wright Bay
Big Lion L.
Klaytahnicut
Tildesley Cr.
Flemins L.
MT. SIDNEY WILLIS 1986
DOME MTN. 1753
Geese Cr.
Deception Cr.
Baboon L.
Tachek L.
Tatlow
TELKWA
TYHEE LAKE PARK
Round Lake
MATZEHTZEL MTN. 1755
Findlay L.
Holmes
Pierre Cr.
Twain Cr.
Specularite L.
Butterfield L.
Quick
McQuarrie L.
Byman Cr.
Robert Hatch Cr.
Richfield
Topley
Perow
Sunset L.
Net L.
Pendleton Bay
Pendleton B.
Bolling Pt.
Pintkut Cr.
Walcott
Thompson Cr.
Kalke Cr.
BULKLEY-NECHAKO NATIONAL WILDLIFE AREA
Knockholt
Barrett Lake
Dockrill Cr.
Emerson Cr.
Elwyn L.
Uruthan Lake
Forestdale Day
ETHEL F. WILSON PARK
Pintkut L.
Augier L.
HOUSTON
CHINA NOSE MTN. 1439
Bulkley Lake
Maxan Lake
Pallin
Decker Lake
Decker Lake
BURNS LAKE
Eagle Cr.
Tintagel
Burns L.
DEAD MAN'S ISLAND PARK
Skeraton
Tchesinkut Cr.
Tchesinkut Lake
Francois Lake
Ferry
Southbank 715
Danskin
UNCHA MTN. 1389
Chisholm L.
Morice R.
MT. MORICE 1822
TSALIT MTN. 1372
PIMPERNEL MTN. 1570
WINNINIYIK HILL
NADINA MTN. 2125
Parrott Lakes
Owen Cr.
Poplar Cr.
MT. COLLEY 1311
Henkey Cr.
Rents Cr.
Allin Cr.
(1 cm = 6km)
10 0 10 20 30 40 50 60 70 kilometres

600,000-1


RES. MIN. & PLACER
°/c 3143, 17. AUG. 72
NO STAKING
I.R 12A
Maxan
I.R. 11A
I.R 11A
WOW 7 371061
WOW 5 371059
WOW 8 371062
WOW 6 371060
WOW 3 371057
WOW 4 371058
WOW 1 371055
WOW 2 371056
OWER 3 371196
MAX 2 371854
MAX 1 371853
ICE 2 371452
ICE 4 371454
ICE 1 371451
ICE 3 371453
I.R. 11
Creek
Maxan
MAP 093L08E
ORIGINAL PRODUCED AT 1:31680
METRES
500 0 500 1000 1500 2000

RESAMPLE VALUES

J. Good reproducibility. Poor reproducibility

WOW	opal shards/	opal chunks/	chalc shards/	Chunks
line 27+00N - 3+50W				
sample 1	80	5388	0	0
sample 2	52	0	14	16
sample 3	50	8	18	2
line 10+00N - 0+50W				
sample 1	8	0	0	0
sample 2	10	0	2	0
sample 3	8	0	4	0
line 20+00N - 1+50W				
sample 1	38	8	4	2
sample 2	32	12	2	0
sample 3	34	2	8	0
ICE				
line 10+00E - 0+50N				
sample 1	22	2	24	4
sample 2	18	8	16	0
sample 3	26	0	8	4
line 14+00E - 0+50S				
sample 1	2	0	0	0
sample 2	0	0	4	0
sample 3	4	0	2	4
line 16+00E - 4+00S				
sample 1	38	0	4	0
sample 2	42	8	0	0
sample 3	34	4	6	0

STATMENT OF QUALIFICATIONS

I, Robert Bruce Anderson, P.O. Box 5092, Smithers B.C. V0J-2N0, do certify that;

1 I have been working in the mineral exploration industry in British Columbia since 1973. I have been employed as a prospector by Pamicon Developments Ltd. (1989), Kookabarra Gold (1990), Golden Rule Resources (1991), Lac Minerals Inc. (1993-94), Golden Hemlock Inc. (1995) and Homestake Canada Inc. (1996-98).

2 Chris Warren is an experienced prospector associated with C.J.L. Enterprises Ltd., with more the 15 years field experience.

3 Robert McFadden is an experienced silvaculture worker I have trained in soil sampling.

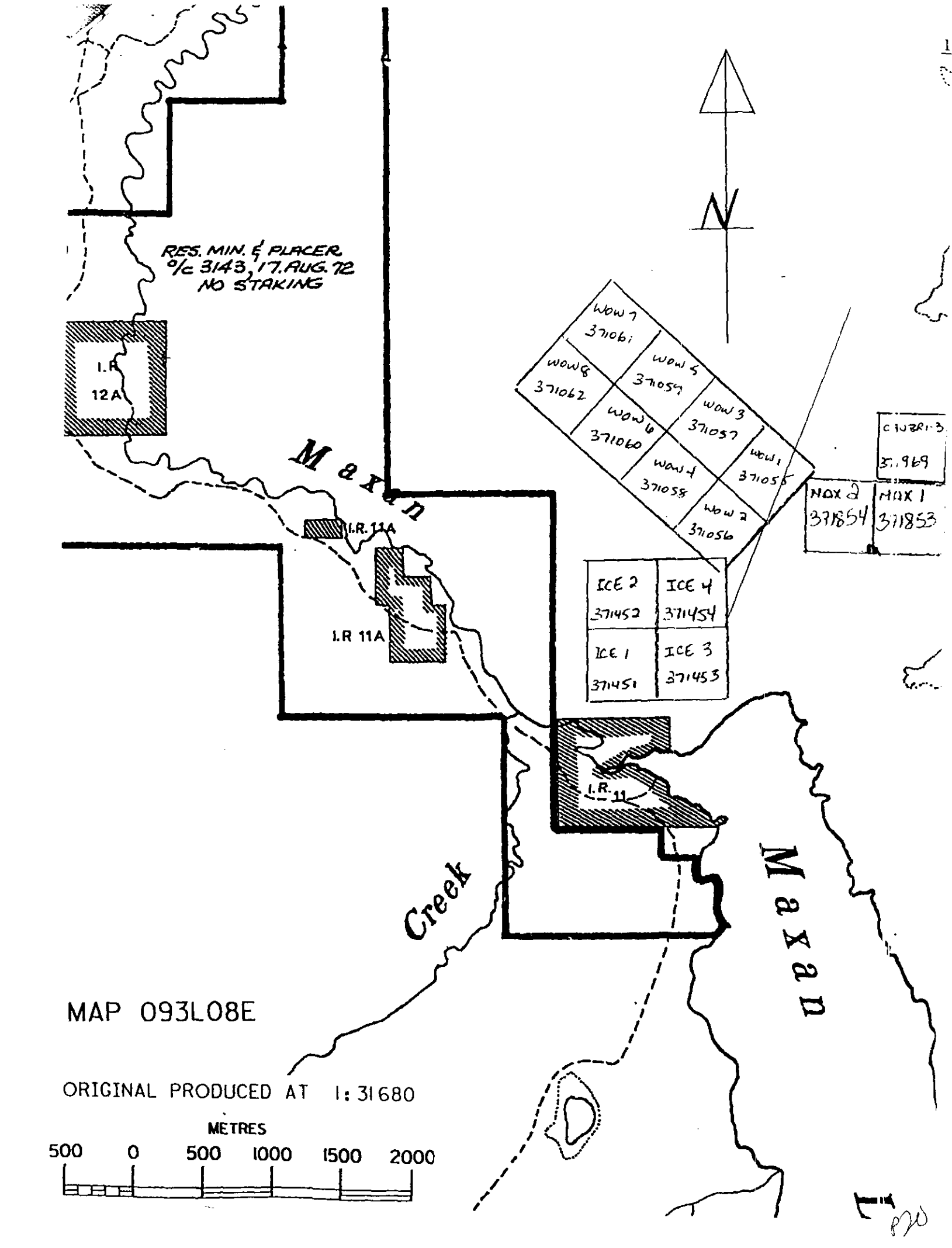
4 I have based this report on field work carried out by C. Warren, R. McFadden and myself in June and July of 2000.

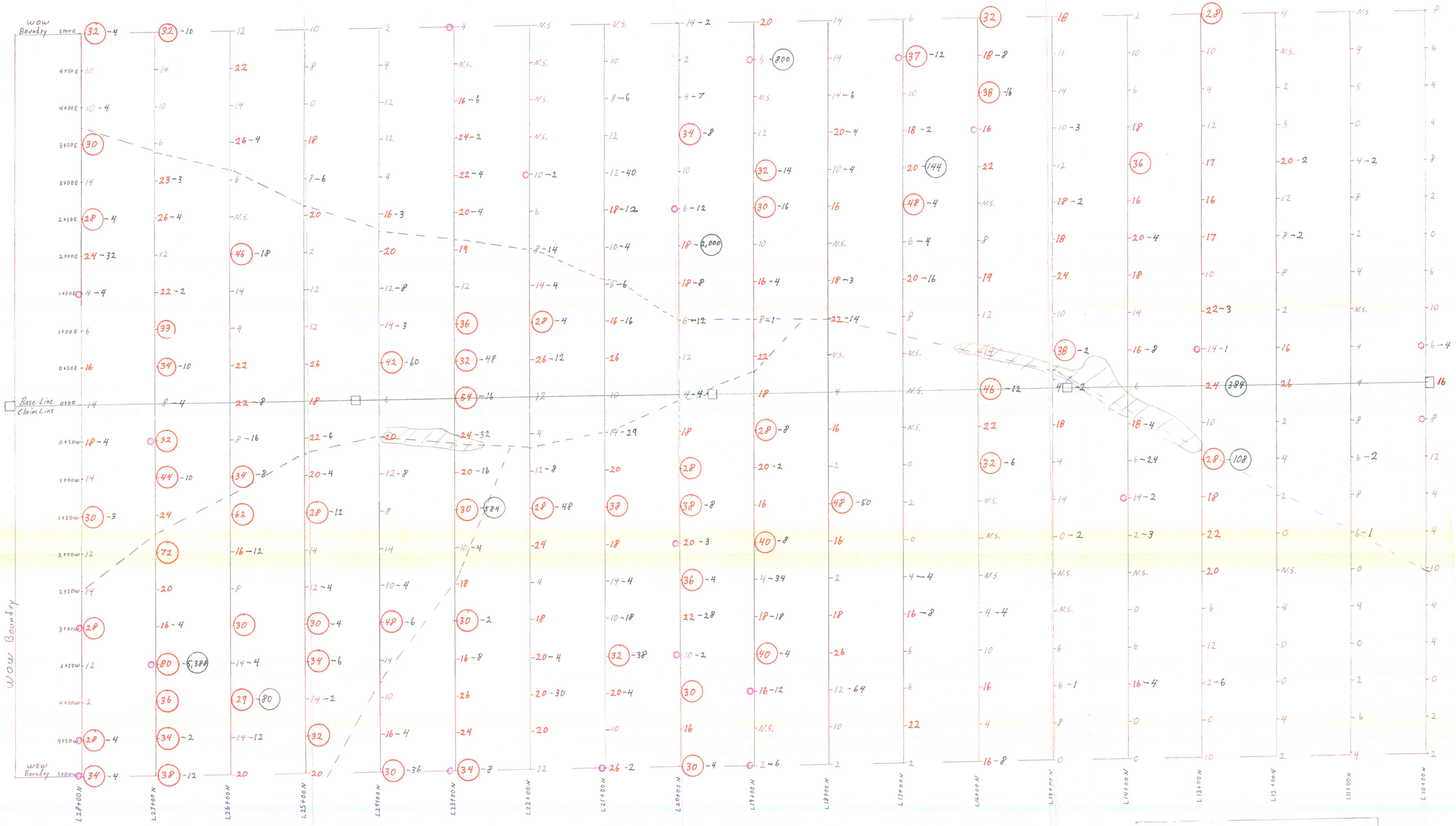
5 I have a direct interest of 100% in the current WOW property.

Signed on the 8th day of January, 2001.

Robert Bruce Anderson

R. Bruce Anderson


RES. MIN. & PLACER
°/c 3143, 17. AUG. 72
NO STAKING
I.R. 12A
M a x a n
I.R. 11A
I.R 11A
WOW 7
371061
WOW 5
371059
WOW 8
371062
WOW 6
371060
WOW 3
371057
WOW 4
371058
WOW 1
371055
WOW 2
371056
CLAIM 3
371969
MAX 2
371854
MAX 1
371853
ICE 2
371452
ICE 4
371454
ICE 1
371451
ICE 3
371453
I.R. 11
Creek
M a x a n
MAP 093L08E
ORIGINAL PRODUCED AT 1:31680
METRES
500 0 500 1000 1500 2000



50m 0m 50m 100m 150m 200m

SCALE - 1-2,500.

W.O.W. Property

OPAL

crystal opal found ○	opal shards (27+)
opal shards 0 - 15	opal chunks 0 - 79
opal shards 16 - 26	opal chunks (80+)

00-07
①

S

ICE Boundry
5+00S 10-4
4+50S N.S.
4+00S 4
3+50S 8-24
2+00S 4-8
2+50S 8
2+00S 6-2
1+50S 2
1+00S 12
0+50S 2
BL 0+00 claim Line 8
0+50N 4
1+00N 8
1+50N 6
2+00N 0
2+50N 6
3+00N 0
3+50N 2
4+00N 10
4+50N N.S.
5+00N N.S.
L19+00E

10
6
12
0
12-4
2
2
6
4
0
2
L18+00E

10
10
12
1
4
20
N.S.
N.S.
N.S.
22
12
36-16
0
5
0
N.S.
N.S.
L17+00E

12
0
38
5-12
8
N.S.
N.S.
12
8
4
6-4
8
44
12
0
N.S.
6
N.S.
N.S.
8
L16+00E

6
8
N.S.
N.S.
10-144
N.S.
N.S.
4-2
2
4
2
2
48-2
0
18-18
14
N.S.
N.S.
N.S.
0
L15+00E

14
20
12-8
18-6
34
0
6
10
2
6
4
6
26
74-42
84-8
N.S.
54
16-2
22-4
L14+00E

40
4
4-2
14
18
6
2
2-12
4
6-8
16
4-9
16-490
40-4
24
4
22
36-10
L13+00E

4
N.S.
4-2
4
10
10
66
2-12
0
4
2-4
8
26-128
14-8
14
62-172
L12+00E

26
12-4
N.S.
6
18
0
36-6
28-4
N.S.
N.S.
N.S.
2
0
0
0
0-2
0
2
4
18-4
L11+00E

2
2
6
20-20
N.S.
8
N.S.
32
N.S.
N.S.
50-10
16-32
22-2
8
0
4
0
6
0-3
22-4
34-12
L10+00E

Thompson F.S.R.

Thompson F.S.R.

ICE Boundry

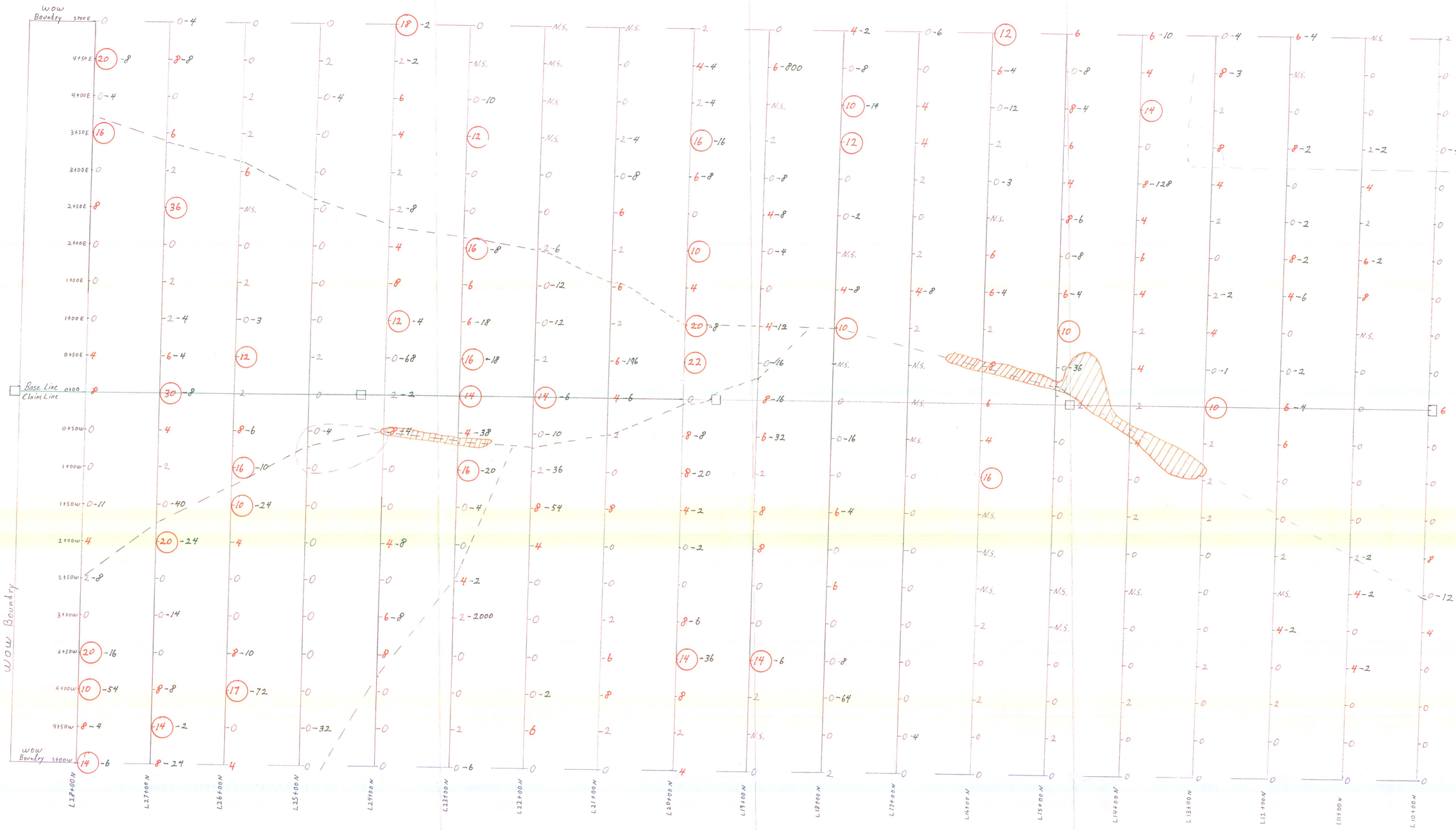
1-2,500

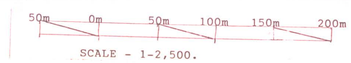
ICE Property

OPAL

crystal opal found ○	opal shards (27+)
opal shards 0-15	opal chunks 0-79
opal shards 16-26	opal chunks (80+)

00-07
(2)





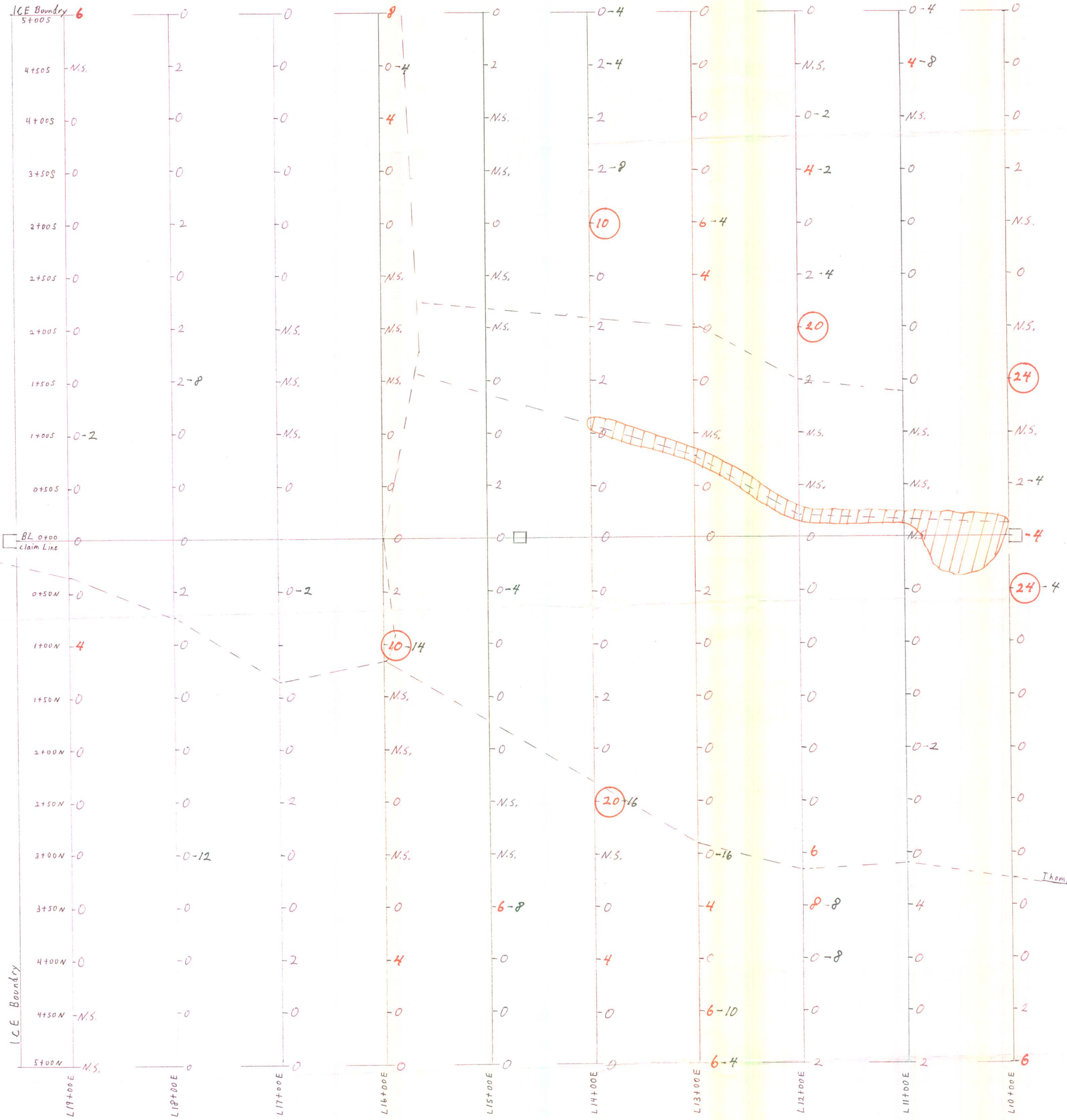
WOW Property

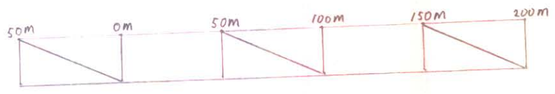
CHALCEDONY

00-07

(3)

chalcedony shards 0-2	chalcedony chunks 2+
chalcedony shards 3-9	opal/chalcedony discovery zone
chalcedony shards (10+)	R.B. Anderson, 2001





ICE Property

CHALCEDONY

chalcedony shards 0-2	chalcedony chunks 2+
chalcedony shards 3-9	opal/chalcedony discovery zone
chalcedony shards 10+	R.B. Anderson, 2001.

00-07 (4)