



Geological Survey Branch
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[ARIS11A]

ARIS Summary Report

Regional Geologist, Prince George

Date Approved: 1998.09.28

Off Confidential: 1999.05.25

ASSESSMENT REPORT: 25621

Mining Division(s): Omineca

Property Name: Dual

Location: NAD 27 Latitude: 53 58 00 Longitude: 127 08 00 UTM: 09 5981210 622455
NAD 83 Latitude: 53 58 00 Longitude: 127 08 06 UTM: 09 5981423 622341
NTS: 093E14E

Camp:

Claim(s): Dual 6

Operator(s): Hamblin, Robert Winston

Author(s): Hanson, Daryl J.

Report Year: 1998

No. of Pages: 16 Pages

Commodities

Searched For: Gold, Copper

General Work Categories: DRIL

Work Done: Drilling

PERD Percussion (15 hole(s);) (457.2 m)

Keywords: Granodiorites, Hazelton Group, Jurassic, Overburden

Statement Nos.: 3119130, 3123509

MINFILE Nos.:

Related Reports: 23206, 23504, 25304

A PERCUSSION DRILLING REPORT

ON THE

DUAL 6 MINERAL CLAIM

RECEIVED

AUG 21 1998

**Gold Commissioner's Office
VANCOUVER, B.C.**

Omineca Mining Division, British Columbia

NTS 93E 14

Latitude 53° 58' N

Longitude 127° 08' W

Owner Operator

BOB HAMBLIN

by

Daryl J. Hanson, P.Eng.

August 18, 1998 **GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

25,621

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SUMMARY

This report covers the drilling of fifteen 2-3/4" diameter percussion holes on the Dual mineral property. The holes were drilled in 1998 during the period May 20-23 with an M32 tank drill. In total 1,500 feet (457 metres) were drilled. These holes were drilled as part of a reconnaissance subsurface testing program that was approved by Work Permit # SMI-98-0200352-50.

No bedrock was encountered during the course of drilling and no samples were taken for assay.

This report documents the expenditure of \$15,596.00 on the Dual 6 claim.

LOCATION, PHYSIOGRAPHY, and ACCESS

The Dual property is situated approximately 55 kilometers southwest of Houston, BC (Figure 1) adjacent to the southeast corner of Newcombe Lake and north of the Nadina River. The claims are on NTS map sheet 93E/14 at 53° 58' N latitude and 127° 08' W longitude.

The property can be reached by a total of 100 km of gravel Forest Service Roads from Houston, BC A route log for access to the property is as follows:

1. From Highway 16 approximately 4 km west of Houston turn south on the Morice River Forest Service Road.
2. Follow the Morice River, Morice-Owen, Morice- Nadina Roads to km 74.
3. Turn right onto the Hill Tout FSR and travel approximately 5 km to the Duel Lakes FSR.
4. Follow the Duel Lakes Road to the property at approximately 102 km on the FSR.

The property lies in an area of moderate topographic relief at an elevation of 1000 to 1200 meters, north of the Boundary Ranges of the Coast Mountains, on the western edge of the Nechako plateau. Moderately steep mountain slopes, broad U-shaped valleys, large narrow lakes draining ice fields and glaciers to the south, are dominant physiographic features of the area. Slopes on the property are moderate. Glaciers have scoured the valley walls leaving a shallow overburden on the tops of the ridges and infilling the valleys with glacio-fluvial gravels and sandy clay. The vegetation consists of Sitka alder, mountain ash, willow, huckleberry, false azalea and gnarled spruce, sub-alpine fir and lodgepole pine.

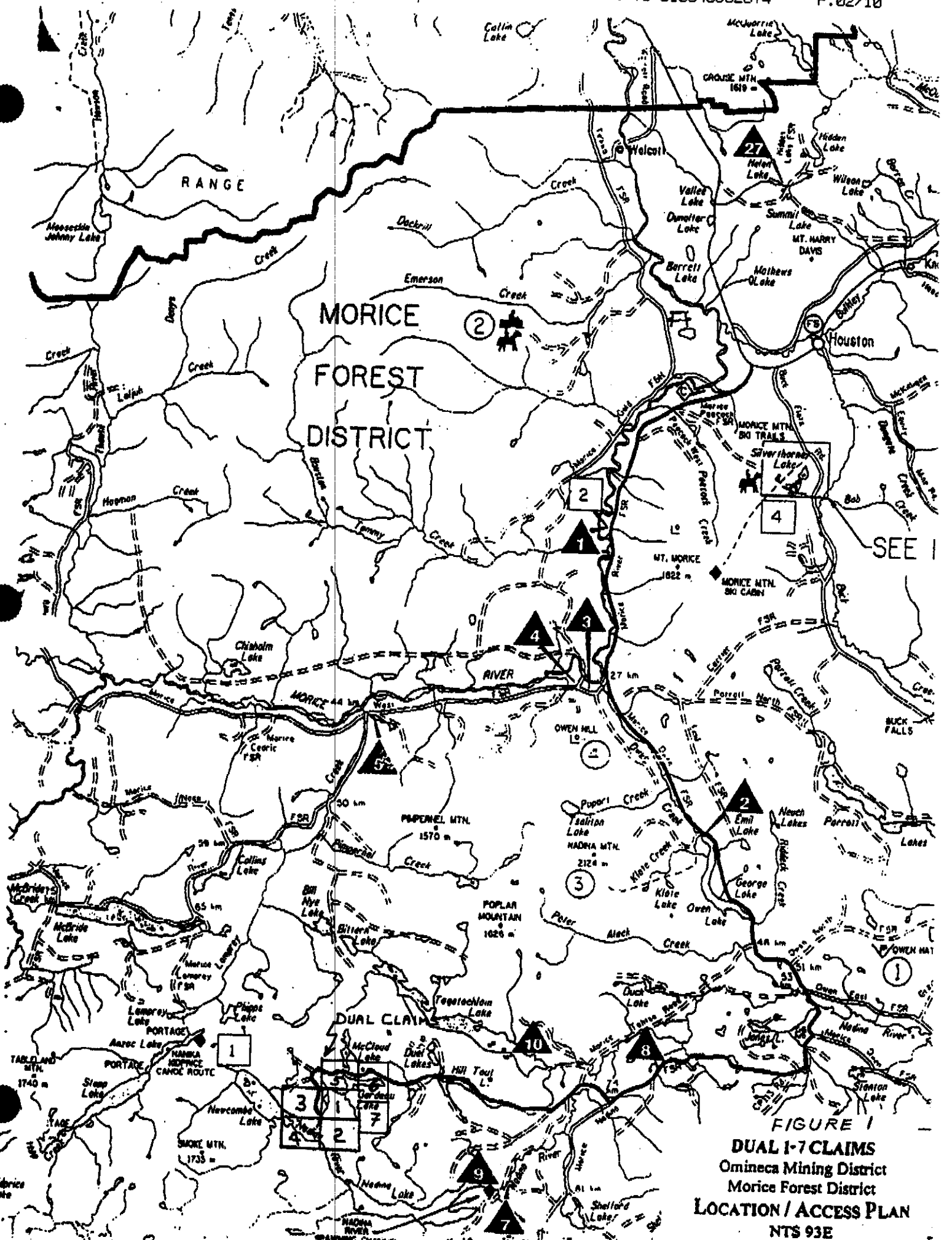


FIGURE 1
DUAL 1-7 CLAIMS
 Omineca Mining District
 Morice Forest District
LOCATION / ACCESS PLAN
 NTS 93E

MINERAL TITLES REFERENCE

MAP 093E14E

U.T.M. ZONE 9

LAST MAP UPDATE: 1995 DEC 04

FIGURE 2

DUAL 1-5 CLAIM MAP

ORIGINAL PRODUCED AT 1:31680

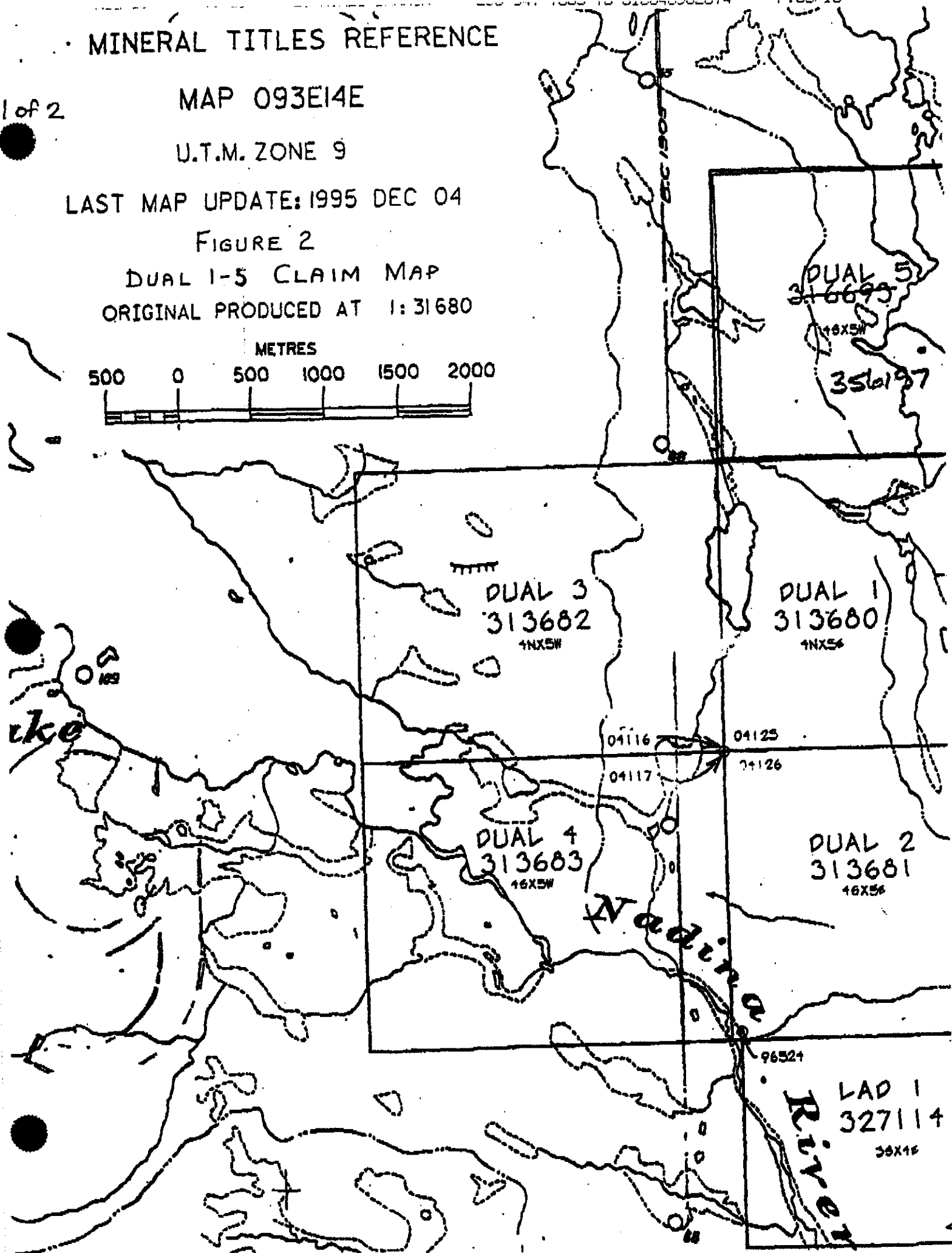
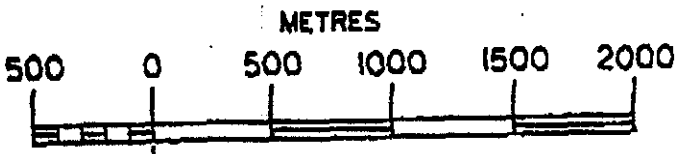
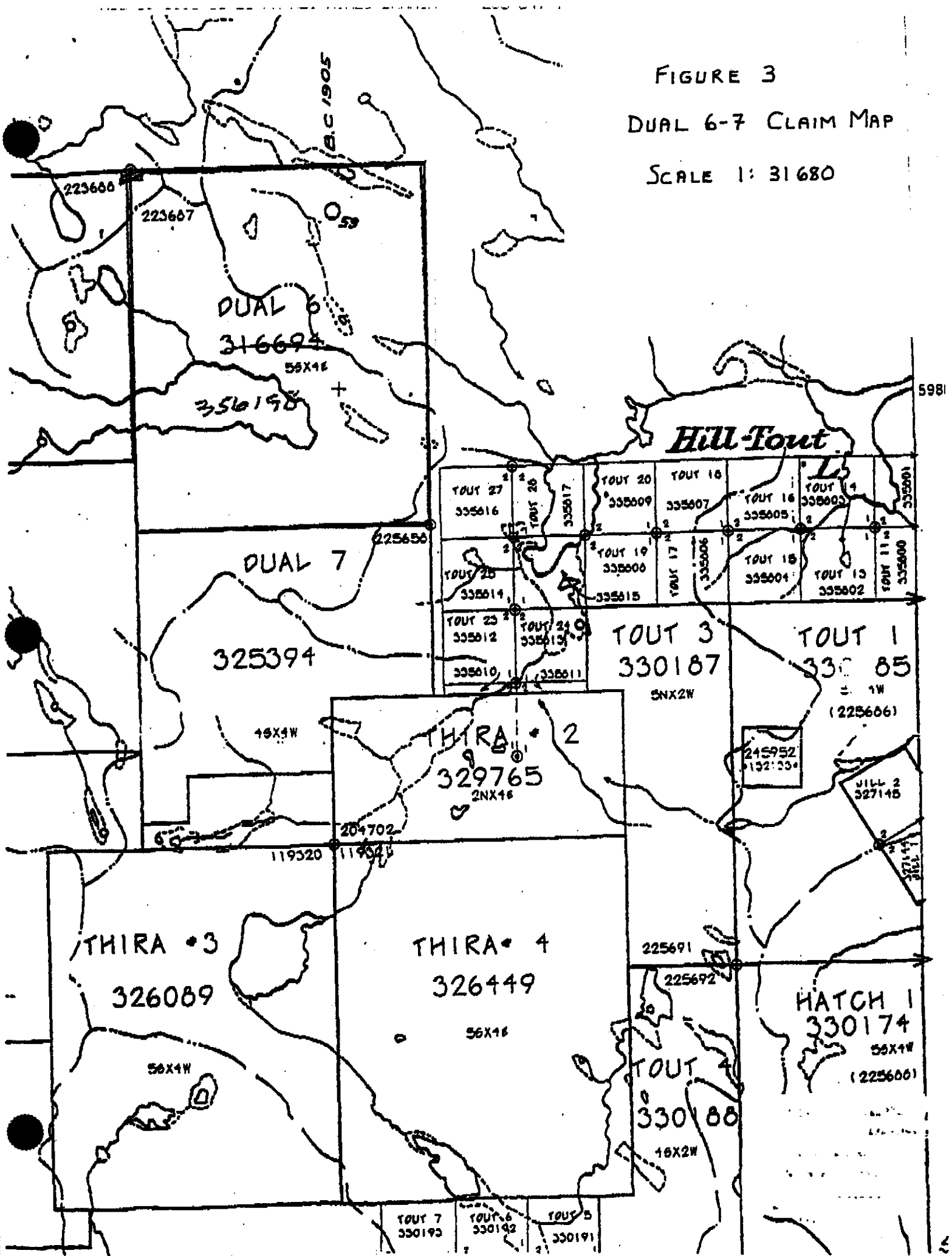


FIGURE 3

DUAL 6-7 CLAIM MAP

SCALE 1: 31 680



598

Hill-Tout

TOUT 27 335016	TOUT 26 335017	TOUT 20 335009	TOUT 18 335007	TOUT 16 335005	TOUT 14 335003
TOUT 25 335014	TOUT 23 335012	TOUT 19 335006	TOUT 17 335015	TOUT 15 335004	TOUT 13 335002
TOUT 22 335010	TOUT 21 335011	TOUT 12 335008	TOUT 11 335001	TOUT 10 335000	TOUT 9 335000

DUAL 6
316694
59X1E

DUAL 7
325394
16X1W

THIRA 2
329765
2NX1E

TOUT 3
330187
5NX2W

TOUT 1
330185
1W
(225606)

THIRA 3
326089
56X1W

THIRA 4
326449
56X1E

TOUT 4
330188
16X2W

HATCH 1
330174
56X1W
(225606)

TOUT 7 330193	TOUT 6 330192	TOUT 5 330191
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CLAIM TENURE AND OWNERSHIP

The Dual property consists of seven claims that comprise a total of 136 units. The claims are owned by Robert Hamblin of Houston, B.C. The following table lists the current status of the claims pending acceptance of this report.

<u>Claim Name</u>	<u>Units</u>	<u>Record Number</u>	<u>Date Recorded</u>	<u>Expiry Date</u>
Dual 1	20	313680	Sept 21, 1992	Sept 21, 1998
Dual 2	20	313681	Sept 21, 1992	Sept 21, 1998
Dual 3	20	313682	Sept 22, 1992	Sept 22, 1998
Dual 4	20	313683	Sept 22, 1992	Sept 22, 1998
Dual 5	20	356197	May 23, 1997	May 23, 2000
Dual 6	20	356198	May 23, 1997	May 23, 2000
Dual 7	16	325394	May 11, 1994	May 11, 1999

REGIONAL GEOLOGY

The Dual Property is underlain by the middle Jurassic Hazelton Group, a complex group of sedimentary and volcanic rocks which comprise an island arc complex. The complex lies west of the successor Bowser Basin of the intermontane Tectonic Belt and east of the Coast Plutonic Complex. In the area of the Property the Hazelton rocks are in places unconformably overlain by sediments of the Bowser Group. The Hazelton Group is mainly

an island arc complex of sub-aerial volcanics of differentiated andesitic to dacitic calc-alkaline composition with interbedded sedimentary facies. The Jurassic rocks are all capped by Skeena marine basin turbidites of Early Cretaceous Age, as well as late Cretaceous age felsic pyroclastics and even later basalt flows, both of the Kasalka Group.

Subsequent to the sedimentary and volcanic activity, the rocks have been complexly folded

and faulted and intruded by a succession of small to medium sized intrusives whose ages range from Upper Cretaceous to Eocene. The Eocene Nanika intrusives are known to have porphyry showings, including the Berg copper deposit to the south. However, of these many intrusives, the Late Cretaceous Bulkley hornblende-biotite diorites appear to contain the most important porphyry copper-molybdenum deposits of the district, including the Huckleberry, Whiting Creek and Ox Lake deposits to the south and the Poplar Lake property to the East.

The regional metamorphic grade is of the lower greenschist facies. The regional scale alteration assemblage consists of moderate chloritic alteration with trace to minor disseminated pyrite. This regional metamorphic event peaked during the mid-Cretaceous time (approximately 110-90 Ma).

PROPERTY GEOLOGY

The geology of the Dual Lakes property is not well understood. The property is still in a grass roots stage and will benefit from future exploration programs. At the east end of Gordeau Lake on the Dual 6 claim there are numerous copper and molybdenum showings in old trenches and pits. On the south side of the lake, the mineralization is hosted by a porphyritic biotite-feldspar diorite/granodiorite stock. The copper mineralization occurs as disseminated and quartz vein controlled chalcopyrite mineralization. Molybdenite has also been observed to occur with the quartz veins and as separate clusters on fractures. On the north side of the lake, fracture controlled mineralization is hosted by volcanic rocks.

On the Dual 1-4 claims in the vicinity of the LCP a series of Barite-Galena-Sphalerite veins occur in a suite of strongly altered volcanic host rocks adjacent to the veins. These veins were originally exposed by construction of forest access roads into the area and are currently only exposed in the ditch of the road. The volcanic rock alteration occurs as weak to intense argillic overprinting and has resulted in the destruction of most original textures. Outcrops away from the vein systems show typical Hazelton volcanic assemblages of purple to green fragmental, crystal lapilli tuffs and possibly interbedded flows. To the south of the Ba-Pb-Zn veins the host volcanics show a very high degree of sulphide mineralization as disseminated pyrite.

DRILL PROGRAM

A reconnaissance percussion drilling program was conducted in the area of the Dual 6 showings on the south side of Gordeau Lake to test the bedrock lithology and to check for potential mineralization. Fifteen holes were drilled along new access created by logging. All holes were drilled to a depth of 100 feet (30.5 metres). See Figure 4 for the approximate location of drill collars.

No samples were taken for assay.

All equipment and supplies were removed from the drill sites upon completion of drilling. As the holes were drilled along existing roads, no reclamation was required.

RESULTS

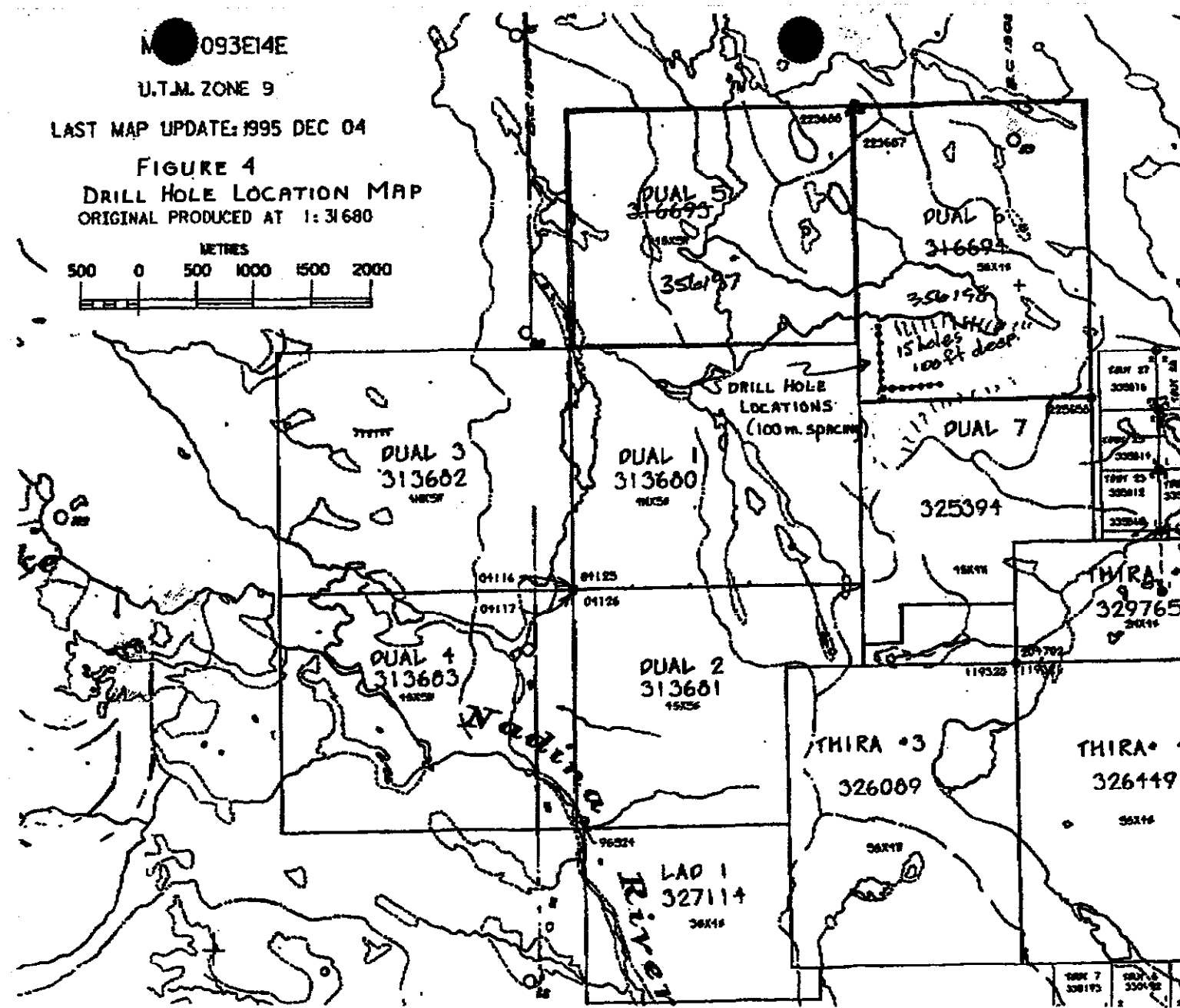
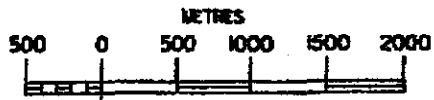
Unfortunately, no bedrock was encountered during the drilling program. All holes were terminated in overburden.

M 093E14E

U.T.M. ZONE 9

LAST MAP UPDATE: 1995 DEC 04

FIGURE 4
DRILL HOLE LOCATION MAP
ORIGINAL PRODUCED AT 1:31680



RECOMMENDATIONS

It is recommended that a program of literature review be conducted in order to discover what previous work has been conducted by previous operators on and about the Dual Property. This review would best consist of a review of assessment reports that have been filed on claims (historical and current) in the area, a review of government geological reports that may have been published on geology in and about the area, and contact with previous operators of historical and current properties in and about the area.

It is further recommended that a program of prospecting and geological mapping be conducted in the area of the Dual 6 claim so that a better understanding of the geology can be determined. This will be complicated by the thick overburden cover that is present over much of the property. There have been a number of areas, however, that have been recently opened up by forest development that should be checked for new bedrock exposures.

A program of soil and till sampling should also be conducted in the area of the Dual 6 claim. Soil samples should be taken on a reconnaissance grid with 50 metre spacing on lines 200 metres apart. Deep till samples should be collected on a detailed grid in areas of anomalous soil geochemistry. Stream sediment (silt) geochemistry should be conducted as part of the prospecting program.

Anomalous results from the geochemistry programs would be used with the geological mapping to define possible trenching and diamond drilling targets.

STATEMENT OF EXPENDITURES

The following table summarizes the expenditures that were incurred during this drilling program.

Drilling	1500 ft at \$9.00/ft	\$13,500.00
Lowbed	12 hrs at \$95.00/hr	\$1,140.00
Pickup	4 days at \$75.00/day	\$300.00
Drill/Helper Travel	3hrs x 4 days x \$38.00/hr	\$456.00
Report Preparation	lump sum	\$200.00
TOTAL		\$15,596.00

AUTHOR'S QUALIFICATIONS

I, Daryl James Hanson of Quick East Road, Telkwa, B.C. hereby certify the following to be true and correct:

I am a graduate of the University of British Columbia, with the degree of Bachelor of Applied Science, Geological Engineering, in 1971.

I was employed in the mineral industry in British Columbia and the Yukon for twenty three years from 1973 to 1995.

Since 1995 I have been employed as an Inspector of Mines for the Ministry of Energy and Mines.

I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia as a Registered Professional Engineer.

I have been contracted by Bob Hamblin to to write this report. All the information in this report concerning the drilling program was obtained from Mr. Hamblin. I have personally observed the showings on the Dual claims as described in this report.

I hold no interest, either direct or indirect, in the Dual mineral claims.



Daryl J. Hanson, P.Eng.

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