

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**11,137**

REPORT ON  
DIAMOND DRILLING

METSANTAN 1, 2, 3, 4, 6, 7, 8 CLAIMS

TOODOGGONE AREA

OMINECA AND LIARD MINING DIVISIONS

BRITISH COLUMBIA

N.T.S. 94E/6W

Lat. 57° 26'  
Long. 127° 18'

LACANA MINING CORPORATION

March 1983

D. Johnson

Vancouver, British Columbia

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### CONCLUSIONS

The Metsantan property has in 1981, and 1982 been explored by 1,100 metres of surface trenching, 1,000 rock samples, geochemical, geological and prospecting surveys and 660 metres of NQ drilling.

As a result of this work a silicified zone erratically mineralized with gold has been outlined approximately 200 metres long and 100 metres wide. Surface values up to 0.6 oz/ton Au have been discovered, however, continuity between trenches is uncertain.

Diamond drilling to evaluate the showings at depth failed to confirm the high surface values.

### RECOMMENDATIONS

Further diamond drilling of the Metsantan gold showing is definitely warranted. A series of -45° holes, stepped back no more than 15 m from the showing and spaced 15 m along strike should be appropriate. Most of these holes would be on the flatter portion of the saddle, near the 1982 core shack, minimizing both drill site construction and helicopter time for moves.

### LOCATION

The Metsantan property is situated in the Toodoggone gold district about 300 kilometres north of Smithers. It is located about seven kilometres north of Serem's Lawyers prospect. Access to the area is by fixed-wing aircraft to the Sturdee River strip then to the property by helicopter, a distance of 25 kilometres. The main showings are from 1860 to 1930 metres elevation (94E/6W lat. 57° 25' long. 127° 15')

CLAIM STATUS

<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Record Date</u>
<u>Omineca M.D.</u>			
Metsantan 1	2623	20	March 20, 1980
Metsantan 2	2624	20	March 20, 1980
Metsantan 3	2961	4	August 1, 1980
Metsantan 4	2960	6	August 1, 1980
Metsantan 6	3663	18	March 31, 1981
<u>Liard M.D.</u>			
Metsantan 7	1815	15	March 31, 1981
Metsantan 8	1816	15	March 31, 1981

HISTORY

The earliest prospecting activity in the area occurred in the 1930's when placer gold claims at Belle Creek, 15 kilometres east of Metsantan, were worked. Further exploration was carried out in the late 1960's when Kennco Exploration (Western) Ltd., Conwest Exploration Ltd., Cordilleran Engineering Ltd. and Cominco Ltd. explored the area, searching for porphyry copper deposits. Many claims were staked, most significant of which were the Chappelle claims, now the Baker Mine.

The Metsantan property was staked by Lacana in 1980 to cover a previously known mineralized breccia zone and was explored during 1981 and 1982.

REGIONAL GEOLOGY

The Lower to Mid Jurassic "Toodoggone" volcanic rocks form a belt about 90 kilometres long and 25 kilometres wide, extending from Kemess Creek to near the junction of the Stikine and Chukachida Rivers. To the west, the Toodoggone rocks are unconformably overlain by Upper Cretaceous-Tertiary sediments of the Sustut Group. The eastern margin of the belt is defined by Lower Jurassic Hazelton and Triassic "Takla" volcanics, and by granodiorites of the Swanell Ranges.

The precious metal properties within the belt appear to occur in a structurally controlled zone of shattering and faulting. The most significant occurrences are both aligned along and occur within fractures which trend  $340^{\circ}$  to  $350^{\circ}$ . Veins at the Baker Mine occur in Takla rocks and strike perpendicular to this trend.

The Toodoggone volcanic sequence consists of a pile of complexly intercolated and varicoloured subaerial tuffs of andesitic, dacitic and trachytic composites, ash flow sheets and minor epiclastic rocks. Total thickness is estimated as at least 1,000 metres.

The older Takla group consists of coarse blended plagioclase porphyry, augite porphyry, fine grained andesite porphyry, agglomerate, tuff, and minor limestone.

Limited field observations indicate that the units strike north to northeast, with moderate to steep dips, suggesting a northeast striking, southwest plunging anticline.

## PROPERTY GEOLOGY

The Metsantan silicified zone consists of an en echelon quartz fracture filling, mineralized sparsely with galena, pyrite, chalcopyrite and gold-silver values in the orange crystal tuffs of the Middle Toodoggone Division. In the area of main showings the volcanic rocks strike  $350^{\circ}$  and dip about  $15^{\circ}$  N-E. The zone is tabular, strikes  $320^{\circ}$  to  $350^{\circ}$  and dips near vertically. The silicified zone is about 100 m wide and 200 m long as exposed on surface and may be as long as 1,000 metres.

### Structure

Structural activity has both preceded and postdated the vein filling. The main silicified zones trend between  $320^{\circ}$  to  $350^{\circ}$  dipping steeply to the west or east. In the northern part of the property the main fracture pattern appears to be striking  $10^{\circ}$  and dipping  $80^{\circ}$ - $90^{\circ}$  to the north. Most veins exhibit postmineral faulting and are marked by a conspicuous chlorite gouge zone along one or both of their margins. In some veins movement appears to have occurred after initiation of mineralization and prior to its completion, resulting in the local formation of complex vein breccias.

### Alteration

The alteration assemblages developed at the Metsantan property are dominated by chlorite and/or epidote, although some areas contain considerable sericite and/or kaolinite.

Silicification: The Metsantan property is cut by numerous silicified zones and quartz veins which are continuous over hundred of metres in length and from 0.5 to 4.0 metres in width. Gold and silver mineralization is often hosted in these zones or associated with them in the adjacent wallrock.

### MINERALIZATION

The most significant mineralization discovered to date on the property is exposed in trenches on the MGB zone on a south-facing 30° slope which angles toward the Toodoggone River. This zone strikes generally north and has a true length of 57 metres, a true width of 4.1 metres and a grade of 0.20 oz/ton Au. The structure trends north for a distance of at least 200 metres; however, gold content is lower, possibly due to mineral zoning.

### DIAMOND DRILLING

Diamond drilling was contracted by Frontier Drilling, using a modified hydrostatic drive Longyear 34 and NQ tools. A 5-hole programme totalling 660 m was started August 1 and completed August 19th.

Diamond drill hole #1 returned core at 13 feet after grinding rock for about one foot. A single quartz vein followed the core axis for about a foot. The rock was a greyish brown lithic feldspar porphyry tuff with partially epidotized and chloritized feldspars. Stringers of epidote and minor quartz followed the core axis (60°). Secondary limonite was commonly found on fractures. The feldspars were orange in colour when not epidotized and generally euhedral about 10-15mm in size.

Numerous vertical crosscutting fractures cut the core commonly mineralized with epidote, carbonate and/or quartz. The matrix of the tuff was variably altered with chlorite epidote, carbonate or silica. No significant gold values were encountered in DDH #1, the highest value returned being 505 ppb near the top of the hole. The main gold bearing zone on surface (4 metres average 0.20 oz/ton Au) contained only slightly elevated values (up to 250 ppb) at 40 metres below surface.

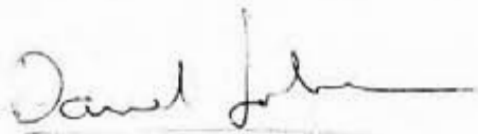
Diamond drill hole #2 cut the same zone at 90 metres below surface, but contained only pyrite with no gold values. The rock cut by the drilling was similar to DDH #1.

Diamond drill hole #3 was collared at trench 10 and drilled at an azimuth of 45° and a dip of 45°. The main showing on surface which returned values of between 0.2 to 0.6 oz/ton gold contained only trace amounts in the drill hole. The highest assay was 0.101 over 1.5 feet. Several other gold bearing zones on surface assayed up to 750 ppb, however, no economic values were cut by the drilling. The highest silver value cut was 3.3 oz/ton over two metres.

Diamond drill hole #4 was collared at trench 13 and drilled at a 078° azimuth and a dip of 45°. The rock cut by the drilling was a brown lithic feldspar prophyry variably mineralized with pyrite and galena, and cut by seams of epidote. Feldspars were commonly chloritized, epidotized and occasionally kaolinized. Occasional crackle zones and breccias were encountered however, no economic gold or silver values were cut in the hole.

Diamond drill hole #5 was collared below trench 18 and drilled to test the central silver zone at depth. Numerous quartz veinlet, breccias and silicified zones were cut, however, the highest gold value was only 0.052 oz/ton. The diamond drill hole penetrated completely through the zone and into the footwall.

All core is stored in standard wooden boxes at the site of the core shack on the ridge east of diamond drill hole #5.





APPENDIX I

STATEMENT OF COSTS

Paid to Frontier Drilling Ltd.:

Invoice For Period August 1 - 15, 1983	\$ 45,864.57
Less August 1st, 49 Man hrs.	(\$ 1,347.50)
Invoice For Period August 15-19, 1983	\$ 10,292.09
	<hr/>
TOTAL	\$ 55,809.16

PERIOD: August 1 - 15 , 1982

DATE: August 25, 1982

FIELD INVOICE STATEMENT

FRONTIER DRILLING LTD.  
P.O. Box 689  
Winfield, B.C., V0H 2C0

JOB: 82-3

LOCATION: Toodoggone area

IN ACCOUNT WITH:

Lacana Ex (1981) Inc.

Box 354, Toronto-Dominion Centre

Toronto, Ontario M5K 1K7

copy to:

Lacana Mining Corporation

Suite 312, 409 Granville Street

Vancouver, B.C. V6G 1T2

PART ONE:	TOTAL DRILL FOOTAGE COST	<u>\$34,293.60</u>
PART TWO:	TOTAL EXTRA CONTRACT CHARGES	<u>\$12,570.97</u>
PART THREE:	TOTAL MOBILIZATION - DEMOBILIZATION CHARGES	<u>-</u>
	TOTAL INVOICE	<u><u>\$46,864.57</u></u>

PERIOD: August 15 - 19, 1982

DATE: September 6, 1982

FIELD INVOICE STATEMENT

FRONTIER DRILLING LTD.  
P.O. Box 689  
Winfield, B.C., VOH 2C0

JOB: 82-3

LOCATION: Toodoggone area, B.C.

IN ACCOUNT WITH: LACANA EX (1981) INC.  
BOX 354, TORONTO DOMINION TOWER  
TORONTO, ONTARIO M5K 1K7

copy to: LACANA MINING CORPORATION  
312 - 409 GRANVILLE STREET  
VANCOUVER, B.C. V6C 1T2

PART ONE:	TOTAL DRILL FOOTAGE COST	<u>\$ 5,148.00</u>
PART TWO:	TOTAL EXTRA CONTRACT CHARGES	<u>\$ 5,144.09</u>
PART THREE:	TOTAL MOBILIZATION - DEMOBILIZATION CHARGES	<u>-</u>
	TOTAL INVOICE	<u><u>\$10,292.09</u></u>

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APPENDIX II

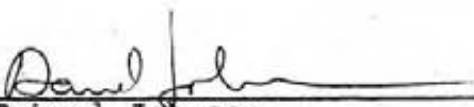
STATEMENT OF QUALIFICATIONS

DARREL JOHNSON

I, Darrel Johnson, of the City of Port Coquitlam, in the Province of British Columbia, do hereby state that:

1. I am a graduate of the University of British Columbia, with a B. Sc. degree in Geology, obtained in 1970;
2. I have been working in all phases of mining exploration in British Columbia for the past 18 years, of which the past 13 have been in responsible positions, as an exploration geologist, with various exploration companies.
3. I am presently the managing geologist of the Vancouver office of Lacana Mining Corporation.
4. I prepared this report from data on hand in Lacana's Vancouver office.

Dated ~~this~~ 24 day of March, 1983 at Vancouver, B.C.

  
\_\_\_\_\_  
Darrel Johnson

APPENDIX III

STATEMENT OF QUALIFICATIONS

STEPHEN C. GOWER

Stephen C. Gower has been employed as a geologist by Kennco Explorations (Western) Limited, during the period of April 1970 to December 1976 and by Lacana Mining Corporation from the period of February 1977 to December 1982.

He graduated from the University of British Columbia in the spring of 1970 with B. Sc. in geology.

Mr. Gower supervised all the on-site work described in this report, and prepared the drill core logs appended thereto.

COMPANY Lacana Mining Corp.PROPERTY MetsantanTownship Toodoggonne

Claim No. \_\_\_\_\_

SHEET No. 1  
Started \_\_\_\_\_  
Finished \_\_\_\_\_  
Depth 280 feetReference Location Tr 14  
Elevation 1904 metresHOLE No. DDH #1  
Bearing 078°  
Dip: 60 @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS		
			NO	FROM	TO	WIDTH	Au ppb	Ag oz/ton	
0	13	CASING							
13 (3.96)	-19 (5.79)	EP, CHL. Qtz stringers Tr. Py. L.F.P.	8001	13	19	5	505		
19 (5.79)	-23 (7.01)	Cal-Qtz Veinlets Chloritized Matrix L.F.P.	8002	19	23	5	40		
23 (7.01)	-26 (7.92)	Increasing Fractures, Silicification L.F.P.	8003	23	26	3	10		
26 (7.92)	-31 (9.44)	Silicified Matrix Stringers Qtz-Cal L.F.P.	8004	26	31	5	10		
31 (9.44)	-36 (10.97)	Numerous Qtz Stringers Tr Galena, Minor Br LFP	8005	31	36	5	170	0.10	
36 (10.97)	-40 (12.19)	Qtz Stringers (Cal) LFP	8006	36	40	5	5		
40 (12.19)	-44 (13.41)	Vert. Qtz Stringers Cal Py. LFP	8007	40	44	4	975		
44 (13.41)	-51 (15.54)	Occas. Qtz-Cal Veinlet, Ep LFP	8008	44	51	7	<5		
51 (15.54)	-61 (18.59)	Occas. Qtz Veinlet $\approx$ 1m apart LFP	8009	51	61	10	100		
61 (18.59)	-71 (21.64)	Micro Swarm Qtz Veinlets LFP	8010	61	71	10	<5		
71 (21.64)	-81 (24.68)	Micro Veinlets $\approx$ 20cm Apart LFP	8011	71	81	10	<5		
81 (24.68)	-93 (28.34)	Qtz Veinlets $\approx$ 0.3m, Gouge, Amethyst LFP	8012	81	93	12	5		
93 (28.34)	-100 (30.48)	Massive LFP	8013	93	100	7	5		
100 (30.48)	-110 (33.52)	Massive LFP	8014	100	110	10	5		
110 (33.52)	-120 (36.57)	Increasing Epidotization LFP	8015	110	120	10	<5		
120 (36.57)	-125 (38.1)	EPI-Cal-Qtz Veining Increasing LFP	8016	120	125	5	<5		
125 (38.1)	-130 (39.62)	Numerous Micro Fractures	8017	125	130	5	<5		
130 (39.62)	-135 (41.14)	Vert. Dipping EPI-Chl Swarm Slickensides LFP	8018	130	135	5	25		
135 (41.14)	-140 (42.67)	Abund. EPI Chl Occas Qtz Stringer	8019	135	140	5	<5	0.03	
140 (42.67)	-145 (44.19)	EPI-Qtz Swarm, Numerous Branching Veinlets LFP	8020	140	145	5	10		
145 (44.19)	-150 (45.72)	Vertical Dry Fractures LFP	8021	145	150	5	60		
150 (45.72)	-155 (47.24)	Qtz EPI Veinlet, Microswarm LFP	8022	150	155	5	30		
155 (47.24)	-160 (48.76)	Seams of EPI Following Core Axis LFP	8023	155	160	5	15		
160 (48.76)	-165 (50.29)	Epidotized Fault Gouge 163.5 LFP	8024	160	165	5	60		
165 (50.29)	-170 (51.81)	Silicified Matrix Pyrite 0.5-2% LFP	8025	165	170	5	90		
170 (51.81)	-180 (54.86)	15% EPI 1-2% Py LFP	8026	170	180	10	250		
180 (54.86)	-188 (57.30)	Epidote-Carb Veins Along Core Axis 1-2% LFP	8027	180	188	8	30		
188 (57.30)	-198 (60.35)	Epidotized, Thick Seams EPI 1-2% Py LFP	8028	188	198	10	70		

Drilled by FrontierCore Size NQLogged by S.C. Gower

COMPANY Lacana

PROPERTY Metsantan

Township Toodoggone

Claim No. \_\_\_\_\_

SHEET No. 2  
Started \_\_\_\_\_  
Finished \_\_\_\_\_  
Depth 280

Reference \_\_\_\_\_  
Location \_\_\_\_\_  
Elevation \_\_\_\_\_

HOLE No. DDH #1  
Bearing 078°  
Dip: 60 @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS			
			NO	FROM	TO	WIDTH	Al			
198(60.35)	-208(63.39)	Ep Cal Veinlets LFP	8029	198	208	10	15			
208(60.39)	-218(66.44)	Thick Scams Epi Cal LFP	8030	208	218	10	140			
218(66.44)	-228(69.49)	Numerous Epi Stringers LFP	8031	218	228	10	20			
228(69.49)	-238(72.54)	Qtz-Cal Epi Stringers LFP	8032	228	238	10	5			
238(72.54)	-248(75.59)	Micro Qtz-Cal Swarms Epi Stringers LFP	8033	238	248	10	10			
248(75.59)	-258(78.63)	Heavy Seams Epi Crosscutting Qtz Vnlts LFP	8034	248	258	10	75			
258(78.63)	-268(81.68)	Crosscutting Qtz Veinlets $\approx$ 0.3m LFP	8035	258	268	10	55			
268(81.68)	-280(85.34)	As Above LFP	8036	268	280	12	10			

Drilled by Frontier

Core Size NO

Logged by S. C. Gower

COMPANY LacanaPROPERTY MetsantanTownship Toodoggonne

Claim No. \_\_\_\_\_

SHEET No. 3

Reference \_\_\_\_\_

HOLE No. DDH #2

Started \_\_\_\_\_

Location Trench #14Bearing 078°

Finished \_\_\_\_\_

Dip: 75 e Collar; \_\_\_\_\_ e \_\_\_\_\_Depth 500Elevation 1904 metres

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS		
			NO	FROM	TO	WIDTH	Au oz/ton	Ag oz/ton	
0	13	Casing							
13(3.96)	20 (6.09)	Otz-Epi Veinlet Microswarm Qtz Vert Fr LFP	8037	13	20	7	0.003		
20(6.09)	27 (8.22)	Fault Gouge 20'-25' LFP	8038	20	27	7	.001		
27(8.22)	37(11.27)	Steeply Dipping Otz-Cal Veinlets 15cm LFP	8039	27	37	10	.005		
37(11.27)	47(14.32)	Epidotization, Cal Veinlet Swarms LFP	8040	37	47	10	.001		
47(14.32)	57(17.37)	Epidotization Vert Dipping Fractures LFP	8041	47	57	10	.002		
57(17.37)	67(20.42)	As Above LFP	8042	57	67	10	.001		
67(20.42)	77(23.46)	Otz Stringer 0.3m Lrg Lithic Frags LFP	8043	67	77	10	.001		
77(23.46)	87(26.51)	Micro Qtz Swarm Bluish Chalcedony LFP	8044	77	87	10	.001		
87(26.51)	99(30.17)	Increased Interstitial Qtz Chl Matrix LFP	8045	87	99	12	.001		
99(30.17)	107(32.61)	Epidotized Vert. Dipping Qtz Veinlets LFP	8046	99	107	8	.001		
107(32.61)	117(35.66)	Greenish Qtz Swarm, Chalc. Veining Flt LFP	8047	107	117	10	.001	.10	
117(35.66)	125(38.1)	Epidote Seams Flwg Core Axis LFP	8048	117	125	8	.001		
125(38.1)	137(41.75)	Lrg Lithic Frags. Crscttg Qtz-Epi Vns LFP	8049	125	137	10	.001		
137(41.75)	147(44.80)	Otz Stringers Carrying Py At 140' LFP	8050	137	147	10	.001		
147(44.80)	159(48.46)	Epidotized, Vein Qtz, Pyrite 1% LFP	8051	147	159	12	.001	.14	
159(48.46)	168(51.20)	Lithic Frags, Sulphides LFP	8052	159	168	9	.002		
168(51.20)	178(54.25)	Bands of Red F.G., Mineral, Chl.Horn LFP	8053	168	178	10	.001		
178(54.25)	188(57.30)	Epid.Lithic Frags-Branching Qtz Vnlets LFP	8054	178	188	10	.001	.06	
188(57.30)	198(60.35)	Bluish Qtz Filled Vug LFP	8055	188	198	10	.001		
198(60.35)	208(63.39)	Calcite-Epi Veinlets LFP	8056	198	208	10	.001		
208(63.39)	218(66.44)	Laumontite-Otz Epi Seams LFP	8057	208	218	10	.001		
218(66.44)	228(69.49)	Crackle Zone 225' LFP	8058	218	228	10	.001		
228(69.49)	238(72.54)	Chl. Matrix LFP	8059	228	238	10	.001		
238(72.54)	248(75.59)	Micro Fracture System LFP	8060	238	248	10	.001		
248(75.59)	258(78.63)	Epid. Lithic Frags Veinlets Epi Qtz LFP	8061	248	258	10	.001		
258(78.63)	268(81.68)	Otz-Epi-Laumontite Veinlets LFP	8062	258	268	10	.001		
268(81.68)	278(84.73)	Epi and Chl. along Fractures LFP	8063	268	278	10	.001		
278(84.73)	288(87.78)	Micro Veinlet Swarms Cal-Epi-Otz. LFP	8064	278	288	10	.001		

Drilled by FrontierCore Size NQLogged by S. C. Gower



COMPANY Lacana Mining Corporation

PROPERTY Metsantan

Township Toodoggone

Claim No. \_\_\_\_\_

SHEET No. 4  
 Started \_\_\_\_\_  
 Finished \_\_\_\_\_  
 Depth \_\_\_\_\_

Reference \_\_\_\_\_  
 Location \_\_\_\_\_  
 Elevation \_\_\_\_\_

HOLE No. DDH #2  
 Bearing 078°  
 Dip: 75 @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION		SAMPLES				Au Ag ASSAYS	
				NO	FROM	TO	WIDTH	oz/ton	oz/ton
288(87.78)-298(90.83)	83	Qtz-Carbonate Epi Breccia Zone Py	LFP	8065	288	298	10	.001	
298(90.83)-208(93.87)	87	Thick Seams Epi and Chalcedony	LFP	8066	298	308	10	.001	
308(93.87)-218(96.92)	92	Vertically dipping Fractures	LFP	8067	308	318	10	.001	
218(96.92)-327(99.66)	66	Swarms of Epidote Veinlets Py	LFP	8068	318	327	9	.001	
327(99.66)-337(102.71)	71	Epid & Chalcedony Veinlets Vert.	LFP	8069	327	337	10	.001	.13
337(102.71)-347(105.76)	76	As Above Num. Qtz-Cal Micro Stringers	LFP	8070	337	347	10	.001	
347(105.76)-357.6(108.81)	81	Chl-Laumontite-Calc Fractures	LFP	8071	347	357.6	10.6	.001	
357.6(108.51)368(112.16)	12.16	Epid. Swarms of Cal-Epi-Qtz Veinlets	LFP	8072	357.6	368	9.4	.001	
368(112.16)-374(113.99)	13.99	Qtz-Calcite Stringers Pyrite	LFP	8073	368	374	8	.001	
374(113.99)-378(115.21)	15.21	Epid. Breccia Qtz Filled Gouge	LFP	8074	374	378	4	.001	
378(115.21)-383(116.73)	16.73	Py Seams Epidote	LFP	8075	378	383	5	30 ppb	
383(116.73)-388(118.26)	18.26	Py 5mm Seams Calc-Qtz Epi Qtz Vnlets	LFP	8076	383	388	5	15 ppb	
388(118.26)-393(119.78)	19.78	Py. Bluish Qtz		8077	388	393	6	10 ppb	
393(119.78)-398(121.13)	21.13	Chl Horn Chl Epi Feldspars	LFP	8078	393	398	5	10 ppb	
398(121.13)-408(124.35)	24.35	Py Minor Qtz Veinlets, Qtz-Cal-Epi	LFP	8079	398	408	10	10 ppb	
408(124.35)-418(127.40)	27.40	As Above	LFP	8080	408	418	10	15 ppb	
418(127.40)-428(130.45)	30.45	Py 1-2% Epidotized	LFP	8081	418	428	10	10 ppb	
428(130.45)-438(133.50)	33.50	Numerous Lithic Frags Epidotization	LFP	8082	428	438	10	20 ppb	
438(133.50)-448(136.55)	36.55	Swarms Epidote Veinlets, Qtz Zone 442	LFP	8083	438	448	10	50 ppb	
448(136.55)-458(139.59)	39.59	Seams of Vert. Dippy Epi Py-Breccia		8084	448	458	10	5 ppb	
458(139.59)-468(142.64)	42.64	Qtz-Sericite Stringers		8085	458	468	10	15 ppb	
468(142.64)-478(145.69)	45.69	Dark Grey Dense LFP Epidotization		8086	468	478	10	15 ppb	
478(145.69)-488(148.74)	48.74	As Above		8087	478	488	10	10 ppb	
488(148.74)-500(152.40)	52.40	Qtz Breccia 493'-493.5' Epidotization		8088	488	500	10	15 ppb	

Drilled by Frontier

Core Size N.Q.

Logged by S.C. Gower

COMPANY Lacana Mining CorporationPROPERTY MetsantanTownship ToodoggoneClaim No. Metsantan #3, Unit 2SHEET No. 5  
Started \_\_\_\_\_  
Finished \_\_\_\_\_  
Depth 440 feetReference \_\_\_\_\_  
Location Trench #10  
Elevation 1910 metresHOLE No. DDH 3  
Bearing 045°  
Dip: 45 ° e Collar; \_\_\_\_\_ °

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS	
			NO	FROM	TO	WIDTH	Au pph	Ag ppm
0	12	CASING	NS					
12(3.65)	-23(7.01)	Brown Lithic Felds.porph., Dry Fract.Tr Py	8089	12	23	11	20	
23(7.01)	-33(10.05)	Brown LFP Highly Epid. Pyritic at 32'	8090	23	33	10	15	
33(10.05)	-38(11.58)	Progress. Silicified & Frac. Epid.-Qtz Vnlts	8091	33	38	5	95	
38(11.58)	-43(13.10)	Epidotized LFP 1-2% Breccia	8092	38	43	5	20	
43(13.10)	-48(14.63)	LFP 2% Py. Rock Crumbly, Chloritic Matrix	8093	43	48	5	45	
48(14.63)	-58(17.67)	Chloritized LFP Brecciated LFP	8094	48	58	10	20	
58(17.67)	-63(19.20)	As Above	8095	58	63	5	5	1.6
63(19.20)	-68(20.72)	LFP Fault Zone 66' Qtz-Sericite Chl Alt.	8096	63	68	5	10	1.5
68(20.72)	-78(23.77)	Epidotized F.P Qtz-Filled Micro Fractures Py	8097	68	78	10	5	1.1
78(23.77)	-88(26.82)	As Above Increasing Epidotization, Silicified	8098	78	88	10	5	0.8
88(26.82)	-98(29.87)	Thick Seams of Epidote, Matrix Silicified	8099	88	98	10	5	0.8
98(29.87)	-106.5(32.4)	Lithic Frags Epidotized Strongly	8100	98	106.5	8.5	10	1.0
106.5(32.4)	-108(32.91)	Crackle Zone, Qtz Fillings, 1" Fault Zone Py	8101	106.5	108	1.5	350	2.1
108(32.91)	-113(34.44)	LFP Lithic Brecc Shatter Zone 110', 11 Vnlets	8102	108	113	5	170	2.4
113(34.44)	-118(35.96)	Qtz Swarm 1/16"-1/8" LFP	8103	113	118	5	100	1.8
118(35.96)	-123(37.49)	Highly Epidotized Pyritic FP Ca-Epi -Qtz-Vnlts	8104	118	123	5	580	116.0
123(37.49)	-128(39.01)	As Above	8105	123	128	5	5	1.5
128(39.01)	-133(40.53)	Brown LFP Tr. Py. Microveinlets EP&Qtz	8106	128	133	5	165	10.9
133(40.53)	-134(40.84)	Brown LFP Tr Py Epidote Qtz Stringers	8107	133	134	1	130	2.3
134(40.84)	-136.5(41.6)	Qtz-Gauge Breccia, Frags 1/2"-1" in Diameter	8108	134	136.5	2.5	840	4.5
136.5(41.6)	-138(42.06)	Feldspar Porphyry Cut by 20 Grey Vnlets 1/16"	8109	136.5	138	1.5	0.10oz/ton	1.9
138(42.06)	-143(43.58)	Brown LFP numerous Steeply Dippg FP&Cal Vnlts	8110	138	143	5	50	1.0
143(43.58)	-148(45.10)	LFP Crosscuttg Vert. Qtz Vnlets, 30 over 3' Py	8111	143	148	5	380	1.0
148(45.10)	-153(46.63)	As Above 30 veinlets across 3'	8112	148	153	5	95	1.5
153(46.63)	-158(48.15)	LFP Some Crosscuttg Stringers & Swarms	8113	153	158	5	110	1.3
158(48.15)	-163(49.68)	FP 12 Crosscutting Qtz Veinlets, Sph. Py	8114	158	163	5	60	1.0
163(49.68)	-168(51.20)	LFP Numerous MicroVeinlts of Qtz-Cal&Epi	8115	163	168	5	10	0.9
168(51.20)	-178(52.73)	LFP Thick Seams Crosscutting Qtz	8116	168	173	5	90	1.0

Drilled by FrontierCore Size NQLogged by S.C. Gower

COMPANY Lacana Mining CorporationPROPERTY MetsantanTownship Toodoggone

Claim No. \_\_\_\_\_

SHEET No. 6  
Started \_\_\_\_\_  
Finished \_\_\_\_\_  
Depth 358 feetReference \_\_\_\_\_  
Location \_\_\_\_\_  
Elevation \_\_\_\_\_HOLE No. DDH #3  
Bearing 045  
Dip: 45 @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS	
			NO	FROM	TO	WIDTH	Au/ppb	Ag/ppm
173(52.73)	-178(54)	25) LFP Microveinlets Qtz-Cal-Epi-Py	8117	173	178	5	200	2.2
178(54.25)	-183(55)	77) LFP 30 Microveinlets Qtz-Epi-Py	8118	178	183	5	325	2.6
183(55.77)	-188(57)	30) Veinlets Diminishing	8119	183	188	5	85	1.4
188(57.30)	-193(58)	82) Occasional Veinlets & Crackle Zone 189.5'	8120	188	193	5	190	9.4
193(58.82)	-198(60)	35) LFP Fairly Massive Epidotization	8121	193	198	5	10	2.0
198(60.35)	-203(61)	87) LFP Cut by 10 Qtz-Cal-Epi Veinlets Galena	8122	198	203	5	5	1.1
203(61.87)	-208(63)	39) LFP Veinlets 14 over 5 feet.	8123	203	208	5	15	1.3
208(63.39)	-213(64)	92) LFP, Qtz-Epidote Stringers every 5"	8124	208	213	5	80	6.2
213(64.92)	-218(66)	44) Xenolith 213-214.5, Galena in Matrix LFP	8125	213	218	5	5	2.6
218(66.44)	-223(68)	27) LFP Thick Seams Epid, Qtz-Epi MicroSwarms	8126	218	223	5	5	1.9
223(68.27)	-228(69)	49) Pervasive Epidotization	8127	223	228	5	60	4.2
228(69.49)	-233(71)	01) LFP Highly Epid. Microveinlets Galena Py	8128	228	233	5	5	2.2
233(71.01)	-238(72)	54) LFP Highly Epid. Calcite in Fillings	8129	233	238	5	5	1.2
238(72.54)	-243(74)	06) LFP, Manganese on Fractures, Galena	8130	238	243	5	5	2.1
243(74.06)	-248(75)	59) Fault Zone 243.6'-Highly Epidotized	8131	243	248	5	105	1.6
248(75.59)	-253(77)	11) Brown LFP Highly Epidotized	8132	248	253	5	750	7.4
253(77.11)	-258(78)	63) As Above, Crackle Zone 254.5'	8133	253	258	5	5	0.9
258(78.63)	-263(80)	16) As Above Diss Py 262	8134	258	263	5	5	1.5
263(80.16)	-268(81)	68) LFP, Diss Py, Microfractures of Cal-Qtz.	8135	263	268	5	10	2.0
268(81.68)	-278(84)	73) Epidotized Massive FP	8136	268	278	5	60	1.4
278(84.73)	-288(87)	78) LFP, 10 Qtz-Calcite Microveinlets, Epi Seams	8137	278	288	5	45	0.9
288(87.78)	-298(90)	83) LFP, Qtz-Calcite Veinlets Galena	8138	288	298	5	5	1.0
298(90.83)	-308(93)	87) LFP, Pyritic at 305'	8139	298	308	5	10	1.8
308(93.87)	-318(96)	92) LFP, Epi Qtz Veinlets Dyke? 310'	8140	308	318	5	5	2.3
318(96.92)	-323(98)	45) FP, Epidotized	8141	318	323	5	5	1.0
323(98.45)	-328(99)	97) Microveinlets of Black Qtz.	8142	323	328	5	5	1.9
328(99.97)	-338(103)	02) Massive LFP 1/8" Seams Epidote	8143	328	338	10	5	1.8
338(103.02)	-348(106)	07) LFP, Qtz-Calcite Stringer	8144	338	348	10	10	3.6
348(106.07)	-358(109)	11) Brown LFP Epidotized Feldspars	8145	348	258	10	5	1.1

Drilled by FrontierCore Size N.Q.Logged by S. C. Gower

COMPANY Lacana Mining Corporation

PROPERTY Metsantan

Township Toodoggone

Claim No. \_\_\_\_\_

SHEET No. 7  
 Started \_\_\_\_\_  
 Finished \_\_\_\_\_  
 Depth 443

Reference \_\_\_\_\_  
 Location \_\_\_\_\_  
 Elevation \_\_\_\_\_

HOLE No. DDH #3  
 Bearing 045  
 Dip: 45 @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS			
			NO	FROM	TO	WIDTH	Au	Ag		
358	-	368	As Above	8146	358	368	10	5	1.0	
368	-	378	Highly Epidotized LFP, Chl-Hornblende	8147	368	378	10	14	1.2	
378	-	388	Thick Seams of Epidote Cutting Core Axis	8148	378	388	10	10	1.5	
388	-	398	Highly Epidotized Feldspar Porphyry, Fault Gouge	8149	388	398	10	10	1.2	
398	-	408	As Above, Thick Gouge at 403	8150	398	408	10	10	1.8	
408	-	418	Highly Epid. LFP, Minor Seams Galena Py	8151	408	418	10	5	1.6	
418	-	423	Massive LFP Occasional Calcite Stringer	8152	418	423	5	5	1.4	
423	-	443	Massive LFP Large Fragments		423	443	NS			

Drilled by Frontier

Core Size N.Q.

Logged by S. C. Gower

COMPANY Iacana Mining CorporationPROPERTY MetsantanTownship ToodoggoneClaim No. Metsantan #1, Unit 16SHEET No. 8

Reference \_\_\_\_\_

HOLE No. DDH#4

Started \_\_\_\_\_

Location Trench #14Bearing 078

Finished \_\_\_\_\_

Elevation 1905 metresDip: 45 @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

Depth \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS		
			NO	FROM	TO	WIDTH	Au ppb	Ag ppm	
0	8	Casing	NS						
8(2.9)	-18(5.48)	LFP Py, Epidotized, Chlorite	8153	8	18	10	15	1.8	
18(5.48)	-28(8.53)	FG LFP Chloritized Hornblende	8154	18	28	10	5	1.3	
28(8.53)	-38(11.58)	Kaolinization of Feldspars LFP	8155	28	38	10	5	1.3	
38(11.58)	-48(14.63)	LFP	8156	38	48	10	5	1.4	
48(14.63)	-58(17.67)	Finer Grained Black Stringers of Calcite	8157	48	58	10	10	1.0	
58(17.67)	-68(20.72)	Increasing Epidotization & Manganese Flooding	8158	58	68	10	5	1.1	
68(20.72)	-78(23.77)	Fairly Fresh LFP	8159	68	78	10	5	1.0	
78(23.77)	-88(26.82)	As Above, Calcite-Chlorite-Epidote Crackle Zone	8160	78	88	10	5	1.2	
88(26.82)	-98(29.87)	Fresh LFP	8161	88	98	10	15	1.0	
98(29.87)	-103(31.39)	As Above, Reddish Stained Feldspars	8162	98	103	5	10	1.2	
103(31.39)	-108(32.91)	Epi-Cal-Otz Stringers Galena, Py, Sphal.	8163	103	108	5	230	1.8	
108(32.91)	-113(34.44)	Increasing Epidotization, Less Qtz, Galena	8164	108	113	5	115	1.1	
113(34.44)	-118(35.96)	Stringer Zone of Epidote, Manganese, Galena	8165	113	118	5	25	1.2	
118(35.96)	-123(37.49)	Microveinlets of Qtz-Calcite-Epidote	8166	118	123	5	70	1.2	
123(37.49)	-128(39.01)	As Above LFP	8167	123	128	5	325	1.4	
128(39.01)	-138(42.06)	Manganese Flooding, Microveinlets, LFP	8168	128	138	10	10	1.2	
138(42.06)	-148(45.11)	LFP Specks of Galena, Pyrite, Occas. Stringer	8169	138	148	10	65	1.3	
148(45.11)	-158(48.15)	Crosscutting Stringers of Epidote	8170	148	158	10	70	1.8	
158(48.15)	-168(51.20)	Epidotized LFP Calcite Stringers, Manganese	8171	158	168	10	15	1.4	
168(51.20)	-178(54.25)	As Above LFP	8172	168	178	10	5	1.2	
178(54.25)	-188(57.30)	As Above LFP	8173	178	188	10	90	1.6	
188(57.30)	-198(60.35)	LFP Occas. Qtz Stringer, Epidotization	8174	188	198	10			
198(60.35)	-208(63.39)	LFP Tr Pyrite	8230	198	208	10	.001 oz/ton	.05 oz/ton	
208(63.39)	-218(66.44)	LFP Fault Gouge 215'-218'	8231	208	218	10	.002	.11 oz/ton	
218(66.44)	-228(69.49)	Pyrite % Increasing to 220', Then Lessening	8232	218	228	10	.001	.02	
228(69.49)	-238(72.54)	LFP Epidotization, Occas. Qtz Stringer	8233	228	238	10	.001	.05	
238(72.54)	-248(75.59)	Two Qtz Stringers At 246'	8234	238	248	10	.001	.02	
248(75.59)	-258(78.63)	Altered Zone 248', Qtz-Calcite Stringers	8235	248	258	10	.001	.02	

Drilled by FrontierCore Size NQLogged by S.C. Gower

COMPANY Lacana Mining Corp.

PROPERTY Metsantan

Township Toodoggone

Claim No. \_\_\_\_\_

SHEET No. 9  
 Started \_\_\_\_\_  
 Finished \_\_\_\_\_  
 Depth 350 feet

Reference \_\_\_\_\_  
 Location \_\_\_\_\_  
 Elevation \_\_\_\_\_

HOLE No. DDH#4  
 Bearing \_\_\_\_\_  
 Dip: \_\_\_\_\_ @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES				ASSAYS			
			NO	FROM	TO	WIDTH	Au oz/£	Ag oz/£		
258(78.63)	-268(81.68)	LFP Epidote Stringers	8236	258	268	10	.001	.01		
268(81.68)	-278(84.13)	As Above	8237	268	278	10	.001	.06		
278(84.13)	-288(87.78)	LFP Highly Epidotized, Calc String	8238	278	288	10	.001	.03		
288(87.78)	-298(90.83)	AS ABOVE	8239	288	298	10	.001	.03		
298(90.83)	-308(93.87)	As Above	8240	298	308	10	.001	.03		
308(93.87)	-318(96.92)	As Above	8241	308	318	10	.001	.05		
318(96.92)	-328(99.97)	As Above Stringers Lessening	8242	318	328	10	.001	.04		
328(99.97)	-338(103.02)	As Above	8243	328	338	10	.001	.05		
338(103.02)	-350(106.68)	As Above	NS	338	350	10	.001	.07		

Drilled by Frontier

Core Size NQ

Logged by S. C. Gower

COMPANY Lacana Mining Corp.PROPERTY MetsantanTownship ToodoggoneClaim No. Metsantan #1, Unit 16SHEET No. 10  
Started \_\_\_\_\_  
Finished \_\_\_\_\_  
Depth 433 FeetReference \_\_\_\_\_  
Location Central Silver Zone  
Tr #18  
Elevation 1864 metresHOLE No. DDH#5  
Bearing 088°  
Dip: 45 @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLES			ASSAYS				
			NO	FROM	TO	WIDTH	Au oz/ton	Ag oz/t	Pb%	Zn%
C - 12	(3.65)	Casing								
12	(3.65)-13	(3.96) Numers. Qtz veins. Jarosite Crkls Zone	8175	12	13	1	.010	0.22		
13	(3.96)-18	(5.48) LFP Breccia Qtz Vert Dippg Fractures	8176	13	18	5	.009	0.14		
18	(5.48)-28	(8.53) Massive LFP Seams of Epidote	8177	18	28	5	.003	.03		
28	(8.53)-38	(11.58) Occas. Qtz Stringer Calcite Br 37'	8178	28	38	10	.003	.02		
38	(11.58)-48	(14.63) Epidotized Brown LFP	8179	38	48	10	.009	.03		
48	(14.63)-53	(16.15) Epidotized Brown LFP	8180	48	53	5	.008	.02	.01	.01
53	(16.15)-63	(19.20) LFP Breccia Clay Alt. Orthoclase Env.	8181	53	63	10	.007	.02		
63	(19.20)-73	(22.25) Spotted LFP	8182	63	73	10	.001	.02		
73	(22.25)-83	(22.24) LFP Progressively Less Altered	8183	73	83	10	.001	.03		
83	(22.24)-93	(28.34) Fresh LFP Lithic Frags.	8184	83	93	10	.008	.03		
93	(28.34)-103	(31.39) Calc. Breccia in LFP Calcite Veins	8185	93	103	10	.001	.08		
103	(31.39)-113	(34.44) Grey LFP Zoned Feldspars	8186	103	113	10	.001	.06		
113	(34.44)-123	(37.49) Clay Altered Feldspars	8187	113	123	10	.001	.06		
123	(37.49)-133	(40.53) Calc. Brecc. Zone w/Galenal 25'-126'	8188	123	133	10	.001	.04		
133	(40.53)-143	(43.58) LFP Increasing Epidotization	8189	133	143	10	.001	.03		
143	(43.58)-153	(46.63) LFP Highly Epidotized	8190	143	153	10	.001	.03		
153	(46.63)-158	(48.15) LFP Incr. Freq. of Qtz-Calc. Veins	8191	153	158	10	.021	.15	.04	.08
158	(48.15)-163	(49.68) LFP Silicified Matrx Qtz String. Brecc	8192	158	163	10	.011	.07	.04	.06
163	(49.68)-168	(51.20) LFP Epid. Seams Flwg Core Axis	8193	163	168	10	.037	.12	.03	.06
168	(51.20)-173	(52.70) LFP Increasing Epidotization	8194	168	173	10	.018	.09	.04	.07
173	(52.70)-178	(54.25) Qtz Veined & Silicified Grey LFP Frags	8195	173	178	5	.010	.04	.01	.04
178	(54.25)-183	(55.77) Grey LFP Occas. Qtz Veinlets Numers. FP Seams	8196	178	183	5	.001	.04	.01	.04
183	(55.77)-188	(57.30) LFP Watery Green Qtz Veinlets Py Gal	8197	183	188	5	.052	.16	.18	.50
188	(57.30)-193	(58.82) Sil. LFP Numerous Crosscutting Qtz-Cal Vnlts	8198	188	193	5	.011	.06	.04	.07
193	(58.82)-198	(60.35) As Above 10 Qtz Veinlets Vngs Py.	8199	193	198	5	.001	.05	.02	.03
198	(60.35)-203	(61.87) As Above Watery Green Quartz	8200	198	203	5	.001	.08	.02	.03
203	(61.87)-213	(64.92) Fewer Vnlts, Less Qtz More Calcite LFP	8201	203	208	5	.001	.06		
213	(64.92)-218	(66.44) Qtz Swarms in Sil. Grey FP Galena	8202	213	218	5	.010	.07	.02	.03

Drilled by FrontierCore Size NOLogged by S. C. Gower

COMPANY Lacana Mining CorporationPROPERTY MetsantanTownship Toodoggone

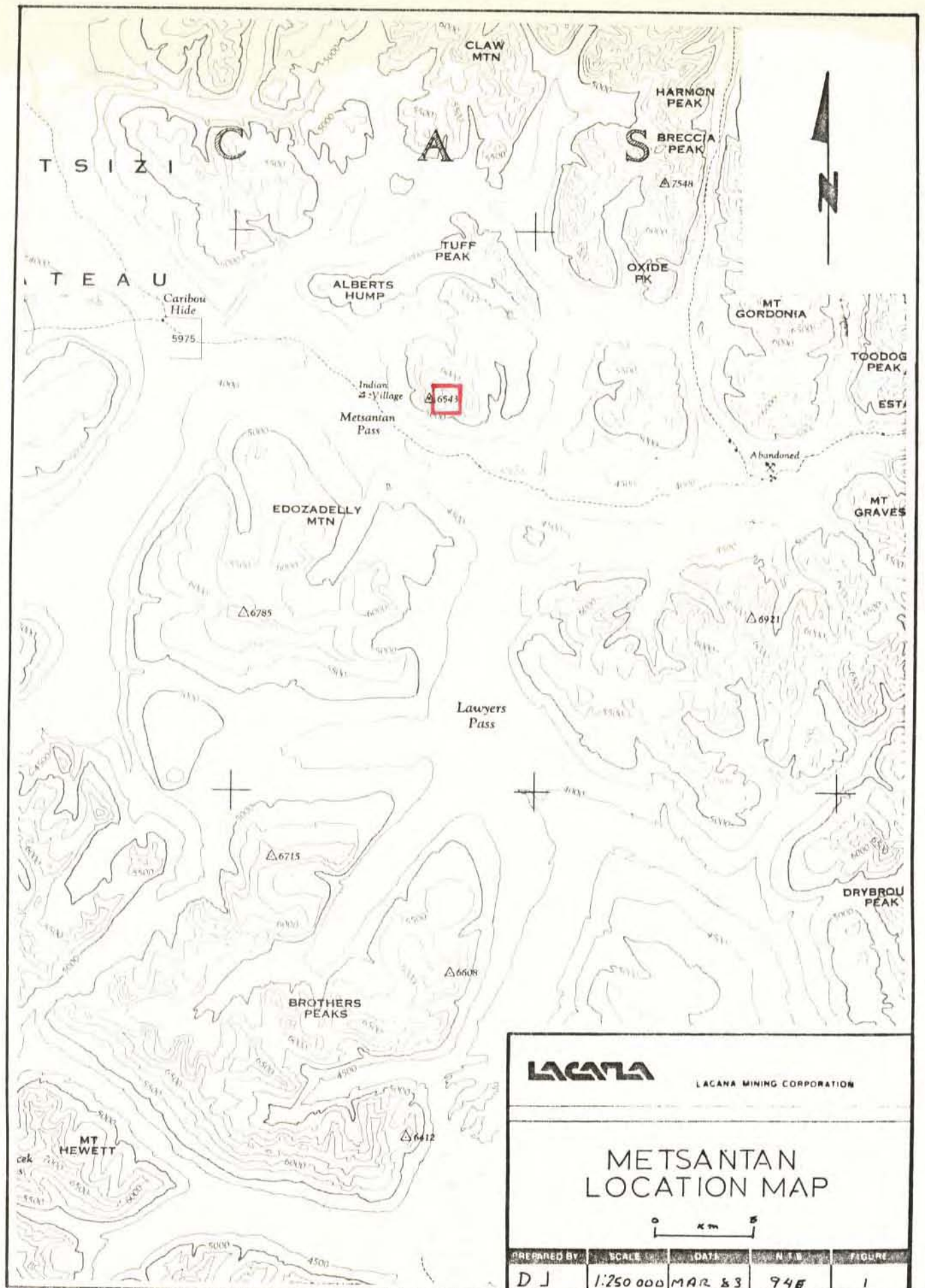
Claim No. \_\_\_\_\_

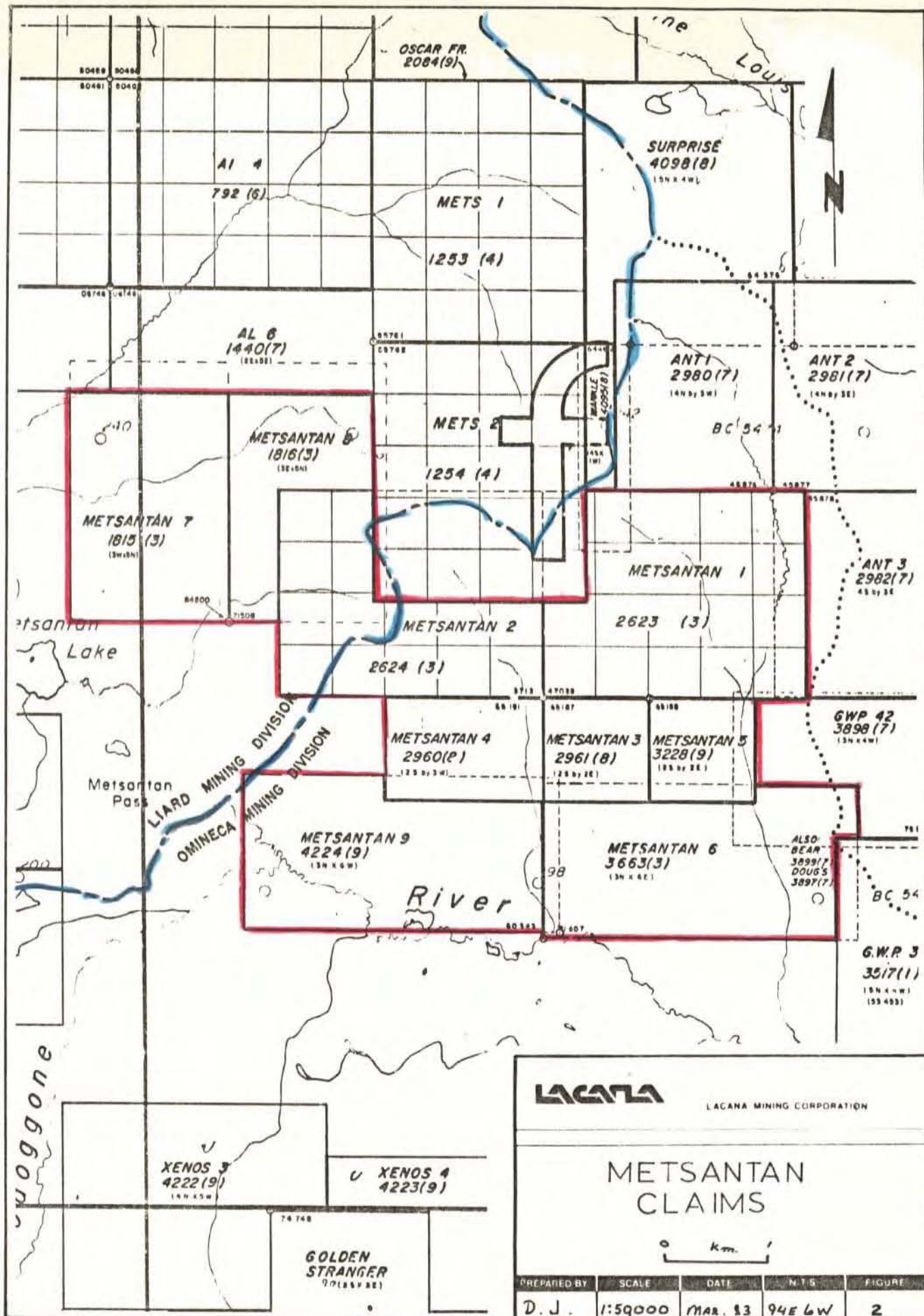
SHEET No. 11  
Started \_\_\_\_\_  
Finished \_\_\_\_\_  
Depth 433 feetReference \_\_\_\_\_  
Location \_\_\_\_\_  
Elevation \_\_\_\_\_HOLE No. \_\_\_\_\_  
Bearing \_\_\_\_\_  
Dip: \_\_\_\_\_ @ Collar; \_\_\_\_\_ @ \_\_\_\_\_

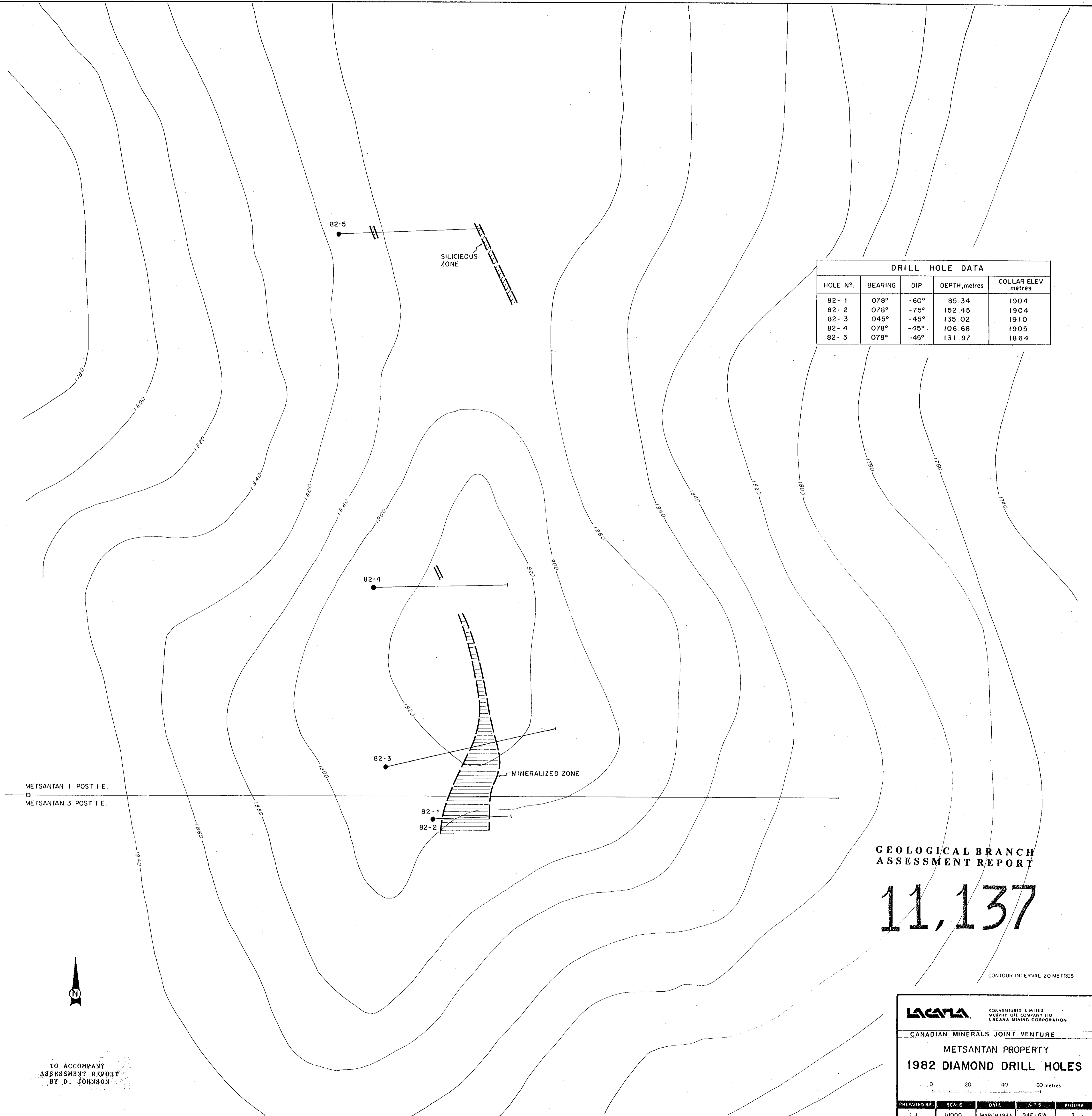
FROM	TO	DESCRIPTION	SAMPLES				ASSAYS			
			NO	FROM	TO	WIDTH				
218(66.44)	-228(69.49)	Brown LFP Cal & Ep, Stringers, Spec Hem.	8203	218	228	10	.004	.08		
228(69.49)	-238(72.54)	Shear Zone at 235' Breccia @ 236' LFP	8204	228	238	10	.002	.04		
238(72.54)	-248(75.54)	Brown LFP Chl. Hornblende	8205	238	248	10	.001	.03		
248(75.54)	-258(78.63)	As Above	8206	248	258	10	.001	.05		
258(78.63)	-268(81.68)	Becomes more Sheared & Veined at 265'	8207	258	268	10	.001	.06		
268(81.68)	-278(84.73)	Sheared & Veined LFP	8208	268	278	10	.001	.05		
278(84.73)	-288(87.78)	Brown LFP Epidotized Cores in Feldspars	8209	278	288	10	.001	.13		
288(87.78)	-298(90.83)	Larger Lithic Frags. Echelon Calcite Stringers	8210	288	298	10	.001	.05		
298(90.83)	-303(92.35)	As Above, Sheared Section Minor Vein & Qtz	8211	298	303	5	.003	.05	.01	.02
303(92.35)	-313(95.40)	Brown LFP Epidote Calcite Seams	8212	303	313	5	.001	.04		
313(95.40)	-318(96.92)	Qtz Stringer Zone, 10 Veinlets over 5'	8213	313	318	5	.001	.04	.01	.02
318(96.92)	-323(98.45)	As Above, Some Breccia & Crackle Zones	8214	318	323	5	.001	.04		
323(98.45)	-333(101.49)	Brown LFP Minor Silicious Zone	8215	323	333	10	.001	.02		
333(101.49)	-338(103.02)	As Above, Increasing Silicious & Pyritic	8216	333	338	5	.002	.04	.02	.05
338(103.02)	-343(104.54)	Qtz-Stringer Zone CPy, Gal. Py Sph	8217	338	343	5	.009	.21	.06	.13
343(104.54)	-348(106.07)	As Above, Less Intense	8218	343	348	5	.002	.05	.03	.07
348(106.07)	-353(107.59)	LFP Occas. Stringer with Galena	8219	348	353	5	.001	.06	.03	.06
353(107.59)	-358(109.11)	As Above, Well Mineralized Vein at 355'	8220	353	358	5	.03	.13		
358(109.11)	-363(110.6)	Stringer Zone, Trace Py, Galena	8221	358	363	5	.03	.24	.12	.19
363(110.6)	-368(112.16)	Stringer Zone, Breccia 367-368 Gal Py	8222	363	368	5	.009	.20	.11	.32
368(112.16)	-373(113.69)	As Above, Breccia 368-369	8223	368	373	5	.002	.07	.03	.06
373(113.69)	-378(115.21)	LFP, Pyrite, Calcite	8224	373	378	5	.003	.04	.06	.15
378(115.2)	-388(118.26)	LFP	8225	378	388	10	.001	.03		
388(118.26)	-398(121.31)	LFP, Breccia Zone, Tr-Galena Py	8226	388	398	10	.001	.04		
398(121.3)	-408(124.35)	LFP Calcite Seams Veinlets, Py	8227	398	408	10	.001	.04		
408(124.35)	-418(127.40)	Pyrite Diminishes Increasing EPy.	8228	408	418	10	.001	.06		
418(127.40)	-428(130.45)	LFP Fresher Out of Zone	8229	418	428	10	.001	.03		
428(130.45)	-433(131.97)	LFP Out of Zone	NS	428	433	5				

Drilled by FrontierCore Size NQLogged by S. C. Gower









DRILL HOLE DATA				
HOLE N <sup>o</sup> .	BEARING	DIP	DEPTH, metres	COLLAR ELEV. metres
82-1	078°	-60°	85.34	1904
82-2	078°	-75°	152.45	1904
82-3	045°	-45°	135.02	1910
82-4	078°	-45°	106.68	1905
82-5	078°	-45°	131.97	1864

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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CONTOUR INTERVAL 20 METRES

**LACANA** CONVENTURES LIMITED  
MURPHY OIL COMPANY LTD  
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

METSANTAN PROPERTY  
1982 DIAMOND DRILL HOLES

0 20 40 60 metres

PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
D. J.	1:1000	MARCH 1983	94E-6W	3

TO ACCOMPANY  
ASSESSMENT REPORT  
BY D. JOHNSON