BC Geological Survey Assessment Report 31144



PROSPECTING, TOPOGRAPHICAL AND GEOLOGICAL MAPPING REPORT

on the

DK 1 TO 3 CLAIMS

NTS Map Sheets 094c003 and 093N093

by

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Vancouver, B.C.

September 11, 2009 Event No. 4290706



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SUMMARY AND INTRODUCTION

The writer worked on the Lysander Minerals Corporation claims over the Hogem Batholith during the field seasons of 2004, 2005, 20006, 2007 and 2008. These claims include the Cat Mountain Project, the Pinchi Project, the Descend Project and the Duckling Creek Extension.

During the summer of 2005, it was recognized that an area of 1030.79 ha remained open between the Lysander Minerals Corporation and the Lorraine Project to the south. (See Figure 2.) This area was acquired by the writer on December 1, 2005 as the DKB 1-3 claims. These claims were transferred to Lysander Minerals Corporation, and later, the writer was paid the staking cost by Option Agreement dated February 20, 2007.

The claims were allowed to drop and were again located by D.K. Bragg on June 27, 2008 as the DK 1 to 3 claims.

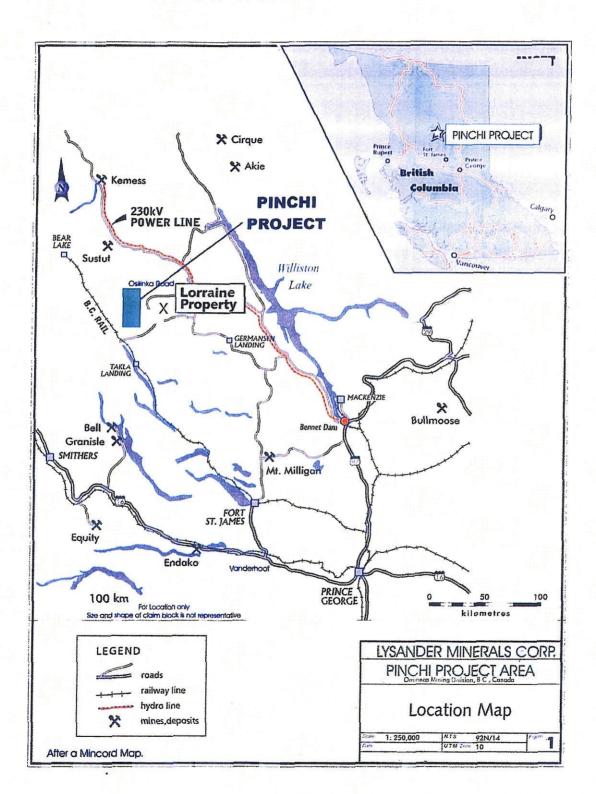
During the field season of 2008, the writer prospected the area covered by the DK 1 to 3 claims and the surrounding area as much of the DK 1 to 3 claims area is covered by glacial outwash and outcrops is minimal. Road access to the claims was mapped. While prospecting the area two rock samples, one soil sample, and five silt samples were collected.

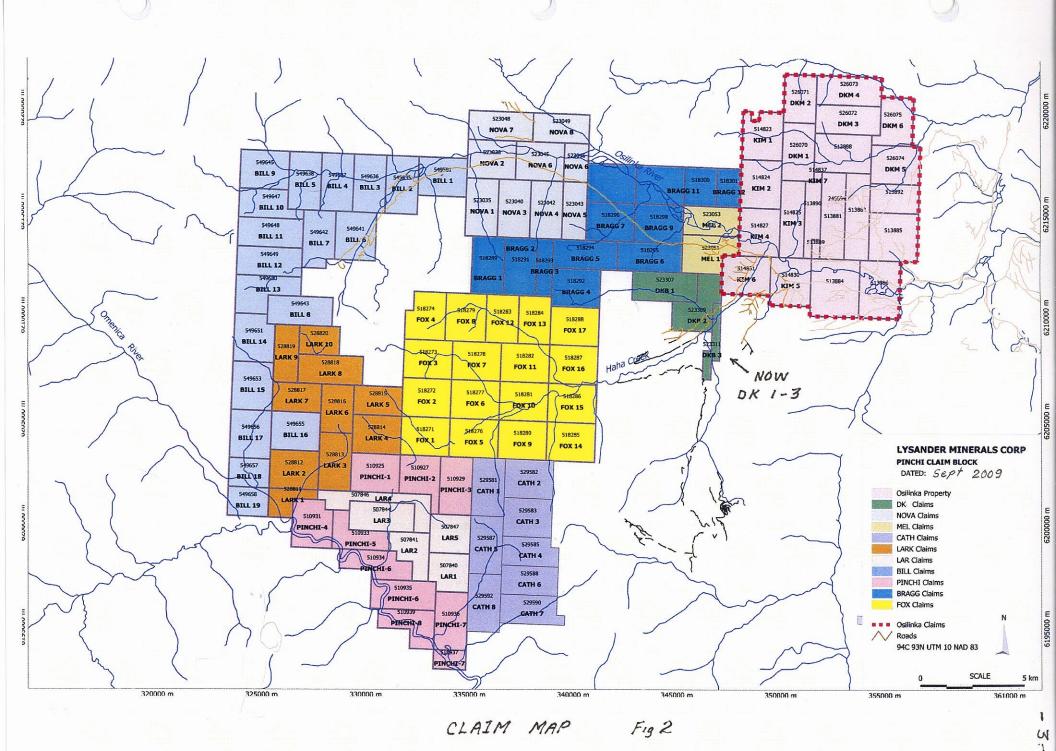
LOCATION AND ACCESSIBILITY

The DK 1 to 3 claims lie 260 km by road north-northwest of Prince George via the Hart Highway to the McKenzie cutoff, across the Williston Lake Causeway and thence via the Kemess Haul Road to the Osilinka Camp. At the Osilinka Camp, the road runs southerly past Osilinka Lake and over Osilinka Bridge 3. Just past Osilinka Bridge 3, the Osilinka Upper Main travels westerly to Ha Ha Creek.

Much of the claim area can be reached via logging roads. (See Figure 3, Google of area surrounding DK 1 to 3.)

FIGURE 1. LOCATION MAP OF BC.







F19 3

GEOLOGY

The geology of the Hogem Batholith, and, in particular, the deposits of the Lorraine and Cat Mountain and many other showings of the area, ie., Slide Tam, Boundary, etc., have been well described by H.D. Meade, G.L. Garnet., D.K. Mustard, Peter Fox, B.J. Price, and many others. (See References and Bibliography.) (See also Figure 4, Geology of the Hogem Batholith and surrounding area by H.D. Meade.) With this background of information, the writer will not include a summary of the geology in this report. (See also Figure 5, Regional Geology.)

However, of particular interest to this current investigation, is the occurrence of the Duckling Creek Complex to the southeast of the DK 1 to 3 claims in the Steel Creek area which has a finger extending northwesterly towards the DK 1 to 3 claims. The Duckling Creek Complex includes pyroxenites, altered syenite, megacrystic porphyry and metasomatite (protolith unknown) and has been subjected in places to extreme alkali metamorphism.

An area of outcropping rocks measuring 50 metres by 100 metres was found within 1000 metres of the boundary of the DK 1 to 3 claims. As this outcrop was thought to be Duckling Creek Complex, a grab sample was taken from the area. This sample returned an assay for copper of 1064 ppm.

Also of importance is the fault running north-northeasterly through the DK 1 to 3 claims that intersects the Ha Ha Creek fault. Many of the numerous showings within the Hogem Batholith are located along fault or at fault intersects within the Duckling Creek Complex.

The regional magnetics outline the faults and lineaments as well as Duckling Creek Complex. (See Figure 6 Regional Magnetics.)

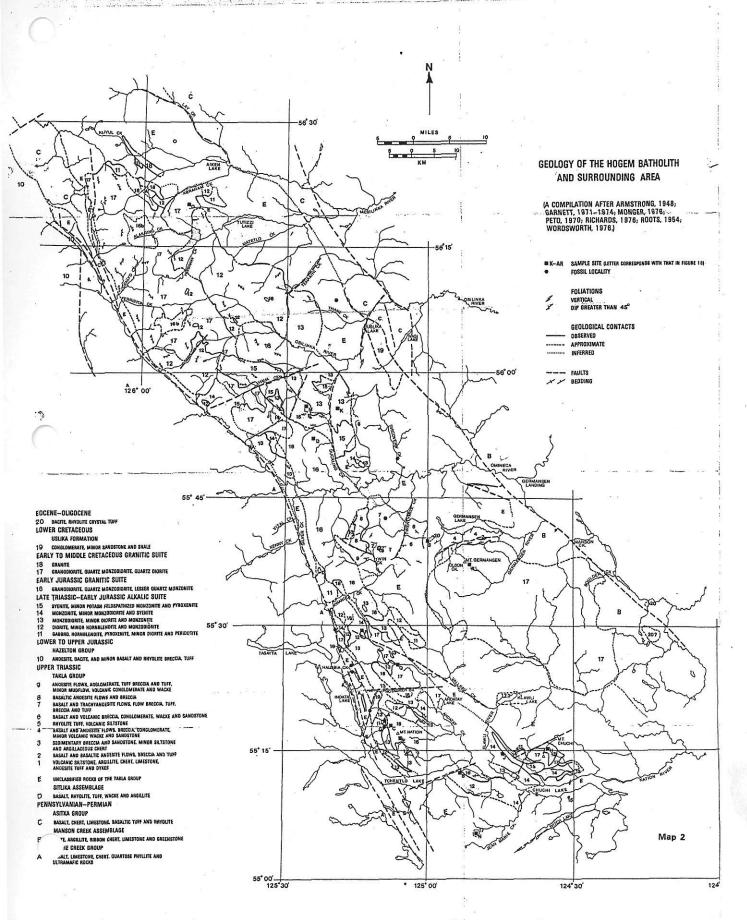
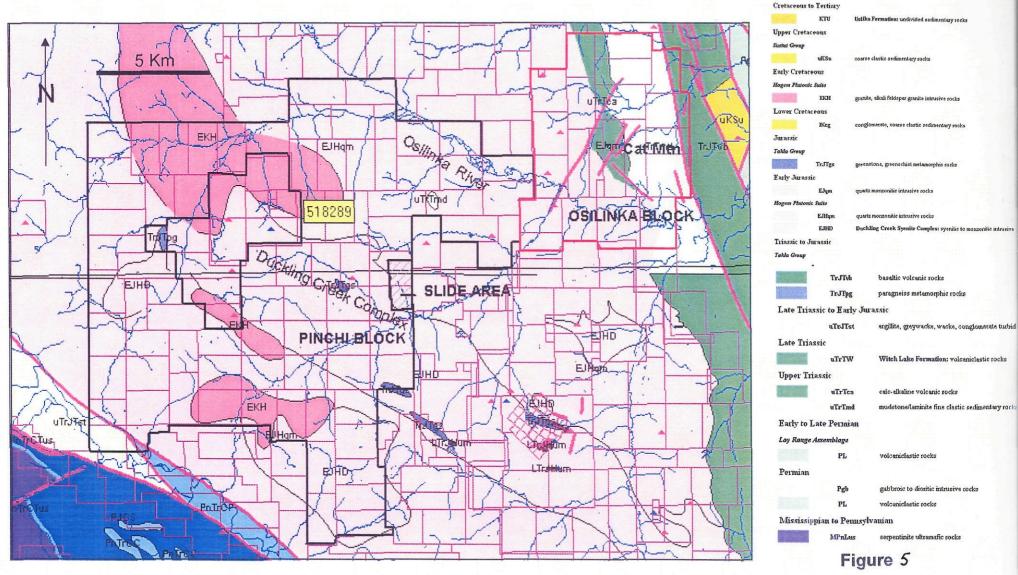


Figure 4



Regional Geology

-7

8

FIELD WORK AND REPORT PREPARATION

A 1:5000 base map was prepared for this report and in preparation for future work. On this map the claim boundaries have been plotted. While in the field, roads, topographic features and geology were mapped using a Garmin GPS Map 60CS and then plotted on the 1:5000 scale map.

As the writer was in the area by himself, no attempt was made to prospect the unnamed creek entering Ha Ha Creek on DK 2 from the west.

Since much of the claim area is covered by glacial outwash and outcrops of rock were minimum in the area, the field mapping extended well beyond the claim boundaries in order to get some sense of the area geology.

RESULTS

Of the two rock samples taken, sample 2008-004 returned copper results of 1064 ppm. This sample was taken over the area where it is thought to be Duckling Creek Complex. Sample 2008-012 was a grab sample of very rusty rock from within the gravels of glacial outwash at Km 14 on the Upper Osilinka Main. Although this sample was outside of DK 1 to 3 claims, it was thought the source may have come from southwest of the DK 1 claim.

Two of the silt samples returned slightly elevated results. Sample 2008-007 has slightly elevated Co, Fe, Pb, W, and Zn. Sample 2008-008 had a slightly elevated Cu. The rest were only background.

RECOMMENDATIONS

More of the creeks need to be sampled when their source is from within the DK 1 to 3 claim block. Also, the main creek from the west through DK 1 ad 2 should be prospected and the lateral creeks sampled. In order to do this properly, a trail should be cut along the creek for easy and quick access. The creek from the south through DK 3 along the fault should be prospected and sampled in detail.

CONCLUSION

The DK 1 to 3 claims remain as a viable prospect.

STATEMENT OF COSTS

August 20 to 25, 2009

Wages - D.K. Bragg	67 hours @ \$35/hr	\$ 2,345.00
Truck Rental including gas	5 days @ \$70/day	350.00
Food	5 days @ \$40/day	200.00
Equipment and Camp Gear Rer	ntal	
Plus Camp and Field Supplies	5 days @ \$20/day	100.00
Prorated Transportation Costs	1143 km @ \$0.35/km	400.05
Assay Costs		173.25
Report Costs		800.00
тот	AL COST	\$ 4,368.30
30%	FROM PAC	1,310.49
		\$ <u>5,678.79</u>

QUALIFICATIONS OF DONALD K. BRAGG

- I, Donald K. Bragg, Prospector, state as follows:
- Graduated Armstrong High School, Armstrong, B.C.
- Attended U.B.C. from 1958 to 1962, Faculty of Arts and Science, in Honours Geology.
- Worked in mineral exploration since 1956.
- Worked for Kenco Explorations during the summers of 1956, 1957 and 1959 in the Yukon and Northern B.C. as an assistant prospector, head prospector and geochemical sampler under the direction of Dr. R. Cambell and R. Woodcock.
- Worked as head prospector for the Nahanni Syndicate in the Northwest Territories in 1960 under the direction of Doug Wilmont.
- Worked as head prospector in the Yukon for Dualco in 1961 under the direction of E. Wozniak.
- Worked as head prospector for Mining Corp. of Canada, Southwestern B.C. in 1962 under J.S. Scott and Dr. K. Northcote.
- Worked as head prospector during the summer of 1963 for the Francis River Syndicate in central Yukon under the direction of Dr A. Aho.
- Worked as field geologist in the Greenwood area of B.C. for Scurry Rainbow Oil in 1965 under the direction of Bill Quinn.
- Worked as field supervisor for Alrae Explorations Ltd. from September 1965 to April 1967 under the direction of Rae Jury.
- Since 1956, self-employed contractor hired by various mining companies in the following fields: prospecting, property examination, claim staking, line cutting, topographical mapping, geological mapping, reconnaissance mineral sampling, draughting, air photo interpretation, geochemistry, geophysics, supervising property exploration programs, setting up bush camps, and camp manager.
- Since 1956, self-employed prospector working in various areas in British Columbia and on self-owned properties.

- Assisted in teaching field procedures for Geochemical Explorations Section of the Ministry of Energy, Mines and Petroleum Resources Mineral Exploration Course For Prospectors under the direction of Dr. S. Hoffman in 1984, 1985, 1986, 1987, 1988.
- Received the B.C. Provincial Grubstake Award for the years 1964, 1968, 1969, 1970, 1980, 1981, 1982, 1983, 1984, 1986, 1987, and 1988.
- Worked in the Rossland Camp from 1971 to 1991 as prospector/miner on the Snowdrop and Blue Bird Claims, and mining exploration contractor.
- Worked in the Osilinka and Cut Mountain area with Lysander Mining Corporation during the 2004, 2005, 2006, 2007, 2008 field seasons under the direction of Peter E. Fox, Ph.D., P.Eng., in setting up and managing the camp, prospecting, and mapping the area.

Respectfully submitted,

D. K. Bragg

September 1, 2009

Vancouver, B.C.

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BRAGG, DON-X09

DISCOVERY LABS

Ref/I.D.: DON BRAGG (ROCKS)
Report Date: 28 APR 2009

GDL Job No: V09-0086S

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LAB NO	FIELD		4g	Al	As	Ва	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Мо	Na	Ni	Р	Pb	8	Sb	Sc	Se	Sr	Te	Th	Ti	TI	U	٧	W	Y	Zn
	NUMBER	PP	m	%	ppm	ppm	ppm	%	ppm	ppm	ρφπι	ppm	%	ppm	bbp	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
**********																												,										
S0900355	2008-006	ō	0.6	1.75	2.1	33	<.1	0.21	<.1	5.8	23.2	38.9	3.69	7.9	30	0.03	4.2	0.24	274	0.9	0.04	6	3804	6.8	<.05	<.1	2.4	<.5	16	<0.05	5.8	0.04	<.1	0.8	88.8	0.4	2.5	33.7
S0900356	2008-007	0	).2	0.94	4.1	382	<.1	0.46	0.5	28.2	10.8	68.3	7.28	2.9	<10	0.06	10.3	0.24	4474	11.9	0.04	5.5	742	15.5	<.05	<.1	1.9	<.5	62	< 0.05	1.3	0.02	<.1	1.3	94.4	28.3	7.5	58.9
S0900357	2008-008	C	.2	1.29	1.5	414	<.1	0.83	0.6	15.8	8.6	134.6	3.25	4.0	20	0.07	15.2	0.31	1993	14.6	0.07	5.3	939	5.7	0.06	0.3	4.1	0.9	79	<0.05	2.2	0.01	<.1	10.0	67.3	0.7	16.4	45.8
S0900358	2008-009	0	1.1	0.94	0.6	46	0.1	0.34	<.1	4.4	5.3	35.6	2.42	3.3	15	0.03	4.9	0.17	136	4.2	0.04	2.4	1009	3.3	<.05	0.1	1.7	<.5	30	< 0.05	1.6	0.03	<.1	0.7	64.1	0.3	3	17.4
50900359	2008-010	0	.3	1.30	0.6	250	0.1	1.00	0.3	10	7.2	68.4	3.40	3.3	43	0.03	10.6	0.18	1167	12.0	0.07	3.5	1375	3.9	0.11	0.1	2.5	1.1	113	<0.05	1.7	0.01	<.1	8.3	63.6	0.3	8.3	19.8
\$0900360	2008-011	a	.1	0.75	1	104	<.1	0.51	<.1	6.4	7.3	59.0	2.96	2.8	14	0.05	7.3	0.24	866	2.1	0.05	3.6	1031	3.8	<.05	<.1	1.7	<.5	60	<0.05	1.6	0.03	<.1	1.0	66.4	0.3	4.2	34.5
STD: MS2		. 0	.3	1.26	17.9	86	4.6	0.12	0.3	11.8	31.6	139.7	3.45	7.3	62	0.28	25.3	0.60	626	11.5	0.03	27.5	490	21.0	<.05	0.2	4.6	<.5	10	<0.05	10	0.08	0.3	3	35.7	8.0	10.6	101.9

l=insufficient sample

If requested analyses are not shown, results are to follow

**ANALYTICAL METHODS** 

GROUP 1BA ICPMS: 36 element package digested in hot reverse aqua regia.

Alice Kwan, Chemist-Teck Cominco G.D.L.

#### **BRAGG, DON-X09**

Ref/I.D.:

**DON BRAGG (ROCKS)** 

Report Date: 11 MAY 2009

GDL Job No: V09-0087R

LAB NO	FIELD	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Мо	Na	Ni	P	Pb	s	Sb	Sc	Se	Sr	Te	Th	Ti	Tè	U	٧	W	Y	Zn
	NUMBER	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
R0905702	2008-4	0.4	1.07	1.5	48	<.1	1.45	0.1	13.1	22.6	1064	3.58	5.1	<10	0.11	7.3	0.81	545	1.7	0.06	4.5	1874	11.7	0.17	<.1	2.6	<.5	27	<0.05	1.3	0.05	<.1	0.4	71.5	0.3	7.3	47
R0905703	2008-12	0.4	0.49	11.2	453	0.1	0.08	<.1	3.9	15.6	548	16.05	1.5	17	0.15	4.4	0.03	297	3.2	0.06	1.4	693	5.4	0.32	0.4	2.2	11.7	17	0.10	2.3	<.01	<.1	0.5	32.4	0.6	2.6	17

l=insufficient sample

If requested analyses are not shown, results are to follow

ANALYTICAL METHODS

GROUP 1BA ICPMS: 36 element package digested in hot reverse aqua regia.

Alice Kwan, Chemist-Teck Cominco G.D.L.

GLOBAL DISCOVERY

LABS

PROJECT & 1.+2.+3. 2008 -004	PROJECT R 2008 -005	DK 1,2-3 2008-006 PROJECTA
TRUJECT STEERY	TRUJEC 17	1 NOOEC 11
SAMPLER & KB	SAMPLER SAMPLER	SAMPLER DKB
DATE Aug. 22 /2008	DATE Aug. 23/2008	DATE Aug 23 12008
PROPERTY	PROPERTY /	PROPERTY D.K
UTM N 6208813 UTM E 0348,350	6208479	UTM N 620.7.339
UTM D 0 3 48 350	UTM N 6208479 UTM E 0345888	UTM E. 03.46.27/
GRID N	GRID N	GRID N.
GRID E	GRID E	GRID E
TYPE: Soil Silt Grab Chip Water Pan	TYPE: Soil Silt) Grab Chip Water Pan	TYPE: Soil) Silt Grab Chip Water Pan
MATERIAL: Till Gravel Silt Sand Talus Organic Bedrock Float	MATERIAL: Till Gravel Silt Sand Talus Organic Bedrock Float	MATERIAL: Till Gravel Silt Sand Talus Organic Bedrock Float
HORIZON: A B C Topsoil Humus Caliche	— HORIZON: A B C Topsoil Humus Caliche	HORIZON: A & Topsoil Humus Caliche
COLOUR: White Black Brown Orange Red Grey Green	COLOUR: White Black Brown Orange Red Grey Green	COLOUR: White Black Brown Grange Red Grey Green
TOPOGRAPHY (Hillton) Hillside Gulley ———————————————————————————————————	TOPOGRAPHY: Hilltop (Hillside) Gulley Flat Dry Creek Bog	TOPOGRAPHY: Hilltop Hillside Gulley Flat Dry Creek Bog
REMARKS: Cu & Malacheti	REMARKS: Poor Sample	REMARKS: Very reddish
	.3m × 1 om × .3 m / sec	
	NOT SUBMITTED for	
	Acenu	

PROJECT 2-3 2008-001	DK 1,2+3 2008-008 PROJECT 131294-11-1	PROJECTA 1, 2, 3 1008 -009
SAMPLER DKB DATE Aug 23 /2008	SAMPLER DKB  DATE Aug RH 12008	SAMPLER DKI3  DATE Aug 27 /2006  PROPERTY DK 1,2,3
PROPERTY	PROPERTY Q.K 1.3.2,3	PROPERTY DR1,2,3
UTM N. 6208378 UTM E. 0346230 GRID N. GRID E	UTM N 6.2.12802 UTM E 0.34.718.7 GRID N	UTM N. 6.2.12.65.0 UTM E. 0.347.350 GRID N. GRID E.
TYPE: Soil Silt Grab Chip Water Pan	TYPE: Soil (Silt) Grab Chip Water Pan	TYPE: Soil Silt Grab Chip Water Pan
MATERIAL: Till Gravel Silt Sand Talus Organic Bedrock Float	MATERIAL: Till Gravel Silt Sand Talus Organic Bedrock Float	MATERIAL: Till Gravel Silt Sand Talu Organic Bedrock Float
HORIZON: A B C Topsoil Humus Caliche —	HORIZON: A B C Topsoil Humus Caliche	HORIZON: A B C Topsoil Humus Calicle
COLOUR: White Black Brown Orange Red Grey Green	COLOUR: White Black Brown Orange Red Grey Green	COLOUR: White Black Brown Orango Rec
TOPOGRAPHY: Hilltop Hillside Gulley	TOPOGRAPHY: (lilltop) Hillside Gulley Flat Dry Creek Bog	TOPOGRAPHY Hillside Gulley Flat Dry Creek Bog
REMARKS: 1.5 24 × 3 cm ×	REMARKS: Best 1/2 M wide	REMARKS: 15M 7 2 cm X
	But just a trickle now	

<u></u>		
2008-010	2008-011	2006 - 012
PROJECT DK 1,2+3	PROJECT DK 1, 2 d 3 2008-011	PROJECT PROJEC
SAMPLER DKB	SAMPLER DKB DATE Aug 25 12006 PROPERTY DK 1, 2 + 3	SAMPLER DKB
DATE	PROPERTY 12.4.3	PROPERTY
UTM N. 62/2570 UTM E. 034/7493	UTM N 62/1784 UTM E 034/82/3	UTM NUTM E
GRID NGRID E	GRID E	GRID N
TYPE: Soil Silv Grab Chip Water Pan	TYPE: Soil Silv Grab Chip Water Pan	TYPE: Soil Silt Grab Chip Water Pan
MATERIAL: Till Gravel Silt Sand Talus Organic Bedrock Float	MATERIAL: Till Gravel Silt Sand Talus Organic Bedrock Float	MATERIAL: Till Gravel Silt Sand Talus Organic Bedrock Float
HORIZON: A B C Topsoil Humus Caliche	HORIZON: A B C Topsoil Humus Caliche	HORIZON: A B C Topsoil Humus Caliche
COLOUR: White Black Brown Orange Red Grey Green	COLOUR: White Black Brown Orange Red Grey Green	COLOUR: White Black Brown Orange Red Grey Green
TOPOGRAPHY: Hilltop Hillside Gulley Flat Dry Creek Bog	TOPOGRAPHY: Hillton Hillside Gulley Flat Dry Creek Bog	TOPOGRAPHY: Hillson Hillside Gulley Flat Dry Creek Bog
REMARKS: 1 m x 2 on x	REMARKS: 2 m x 5 cm x  1.5 m/sec  or boulders quite rusty	REMARKS: Km 14
	Flev 1024	

