A

Summary

of

Exploration Activities

on the

Roosevelt Road Property

Temagami Traprock Ltd.

Best Township

Temagami, Ontario

NTS 31-M-4

Gino Chitaroni, B.Sc. Geology
Blackstone Development Inc.

December 10, 1999.
Cobalt, Ontario

Table of Contents

Abstract

An enormous bedrock source of traprock aggregate has been identified in Best Township near Temagami, Ontario.

The traprock deposit rock-type is exclusively made up of "Nipissing Diabase Sill" gabbroic rock.

A preliminary estimate of the size of the deposit is in the order of : 238,000,000 to 260,000,000 tons.

The Temagami Traprock Ltd "Roosevelt Road Property", inwhich lies the traprock deposit, is well suited to aggregate extraction and development due in large part to the property's excellent access and infrastructure.

Traprock aggregate is used for the following purposes: asphalt, high-strength concrete, railway ballast, riprap, shoreline breakwater fill, road/highway fill, roofing granules and rockwool.

Location

The Temagami Traprock Property is located in Best Township in the municipality of Temagami Ontario. The mineral claims covering the the traprock deposit lies 13 kilometers or 8.1 miles north of the Temagami's village centre and about 2 kilometers or 1.2 miles east along the Roosevelt Road from of Highway 11 "Trans-Canada Highway" northern route.

Provincially, the deposit lies 454 kilometers or 282.3 miles north of the City of Toronto.

Infrastructure/Access

Roads

The deposit straddles the Roosevelt Road, a non-maintained government gravel forestry access road in Best Township.

Asphalt paved Highway 11 lies just west of the deposit and is easily accessed via connection by the Roosevelt Road.

Rail

The main Ontario Northland Railway (ONR) railine runs through the western psotion of the Temagami Traprock Property. The Roosevelt Road crosses the railine 100 metres east of Highway 11; at this location the railine lies less than 2 kilometers west of the deposit.

Moreover, a major rail spurline lies 14 kilometers south of the property in Strathy Township near the fomer Sherman Iron Ore Mine and

the Milne Townsite just west of Highway 11. This is a candidate site for large-scale crushing operations and/or value-added plant development.

Electric Power/Telephone

Accessible power and telephone lines lies near the ONR railine and Highway 11 near the traprock property. The Spurline site near Sherman Mine/Milne Townsite is fully serviced.

Water

There is plenty of water accessible to the proposed quarry site as is the case with the Sherman/Milne site from nearby lakes.

Air Travel

The Temagami area is well serviced by float planes in summer or winter; however, two regional airports service the area: Earlton to the north and North Bay to the south.

Labour Pool

The Temagami area lies in the heart of mining country with Cobalt and Kirkland Lake a short distance to the north and Sudbury a fair distance to the southwest. There are plenty of experienced and skilled mining/quarrying personnel and contract firms in the general area to service the needs of traprock quarry development.

A wide range of municipal services are available in the village of Temagami immediately south of the property. Housing is readily available in Temagami or in nearby towns of Latchford and Cobalt. The Temagami

area further offers excellent quality of life standards, as the Temagami area is a world-renowned tourist haven.

Other Assets

A medium-sized Quartz/Silica deposit lies on the boundary of the Temagami Traprock Property, and if developed, it may assist the development of the Traprock quarry. Shared transportation and production costs could make both deposits more attractive to prospective client buyers and competitive with regard to similar operations.

There are a couple of nearby developed gravel deposits on the Roosevelt Road which could be used as a mix feedstock for road construction operations or for internal use purposes.

Zoning/Planning

The traprock property lies under the municipal jurisdiction of the Township of Temagami and the Ministry of Natural Resources' Temagami Comprehensive Planning Area. In the Township of Temagami the area in which the traprock is located is zoned "Rural" whereby quarrying and aggregate extraction are permissible uses. Under the Temagami Comprehensive Plan the area is zoned "Red" thereby allowing quarrying and aggregate extraction to occur.

Property

The Temagami Traprock Property mineral claims are currently held by the Gino Chitaroni intrust for Temagami Traprock Ltd. The Royalty on the claims are shared with prospectors: Mr. Gino Chitaroni and Mr. Art Beecham.

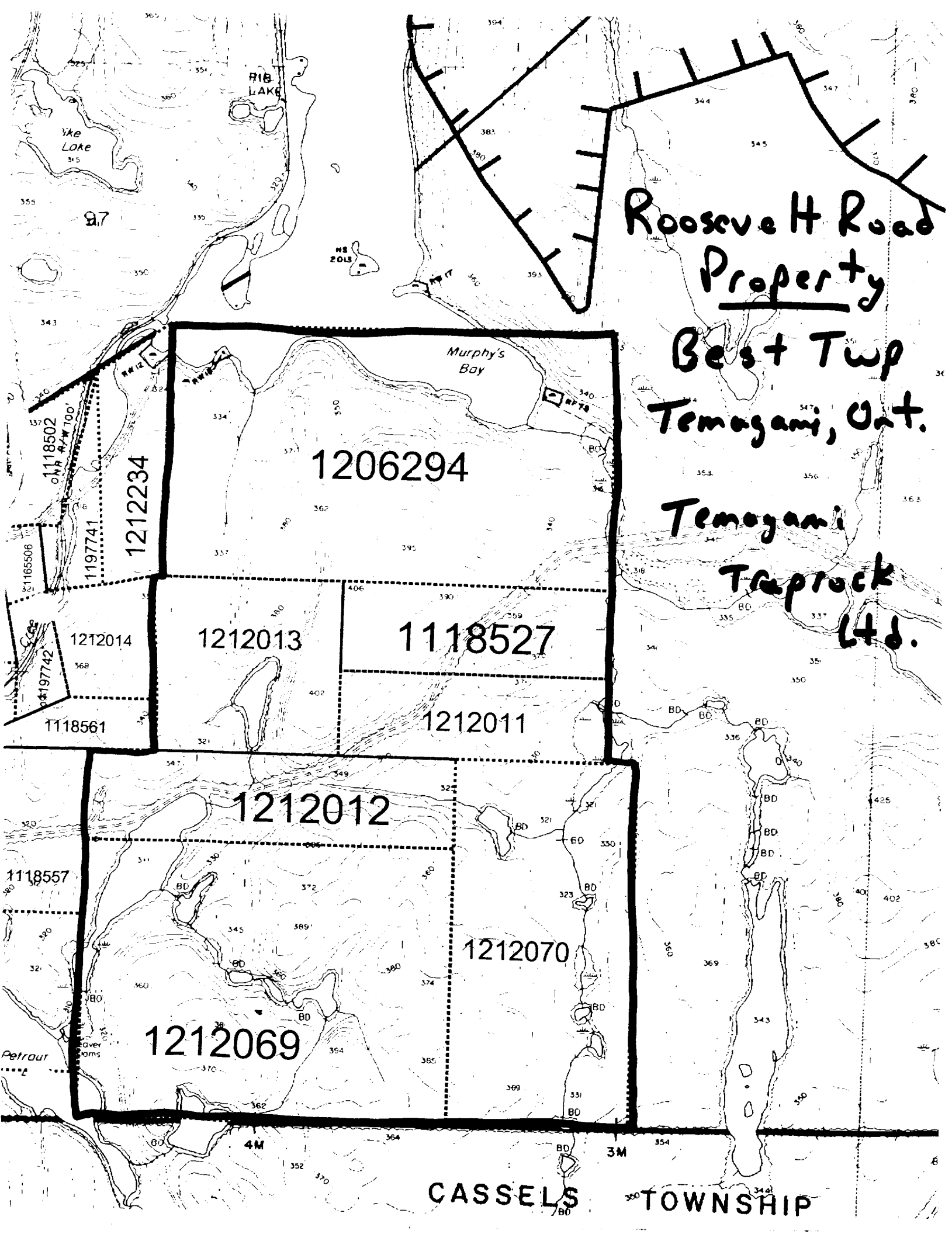
Property Description

Temagami Traprock Ltd.
Roosevelt Road Property
Best Township, Temagami, Ontario

No.	Claim No.	No. of Units	Due Date
1)	1212011	3	October 23, 2001
2)	1212012	4	Ditto
3)	1212013	4	Ditto
4)	1118527	3	May 5, 2002
5)	1206294	15	May 9, 2000
6)	1212069	14	March 26, 2001
7)	1212070	9	Ditto

Total: 7 Claims or 51 Units

Property Size: 2,040 acres or 816 hectares


Roosevelt Road
Property
Best Twp
Temagami, Ont.
Temagami
Traprock
Ltd.
RIB LAKE
Pike Lake
Murphy's Bay
1206294
1212234
1212013
1118527
1212011
1212012
1212070
1212069
1212014
1118561
1118557
1118502
1197741
1197742
1166506
CASSELS TOWNSHIP
4M
3M
Petrout

Roosevelt Road Property

Summary of Mineral Exploration Autumn 1998 – Autumn 1999

Sampling & Testing

In October 1998, Meegwich Inc. of Temagami, Ontario under contract to Blackstone Development Inc. for Temagami Traprock Ltd of Cobalt Ontario produced a blasted 300lb sample from the the Roosevelt Road Property for examination & testing purposes.

A 300 lb sample was removed via drill plugger and blasted down to approximately a one foot depth in Nipissing Diabase Gabbro rock. The sample exposed clean, unaltered, medium to fine grained equigranular-textured gabbroic rock. The sample was the collected & bagged into sacks in sizes ranging from 2" X 2" up to 1' X 1' diameter; and then it was transported to Cobalt, Ontario by half-ton truck.

The sample was then stored at the Blackstone Development "Field Exploration Office" located at Montreal Avenue, Mileage 104, Coleman Township Cobalt, Ontario. At this location, the blasted sample was then broken into smaller pieces no larger than 2" x 2" in diameter by sledge hammer, washed and stored in 5-gallon clean, plastic buckets. The rock samples were sized in this fashion, as it was requirement necessary for laboratory aggregate specification testing purposes.

On several separate occasions on the Roosevelt Road Property, rock samples were also collected as bedrock chip, or roadside construction blasted muck rock material at the following locations: The Roosevelt Road Quarry Face, the Eastern & Western Zone traprock occurrences. These samples were also treated in the same manner as the blasted sample for laboratory testing.

The Roosevelt Road Quarry sample was collected during the power stripping program on the Central Zone area (Claim # 1118527) as chip samples from the cleaned Nipissing Diabase face.

All of the samples were then mixed together as "composite sample" in the first week of August 1999. the composite sample was then transported to Trow Consulting Engineers Ltd. laboratory facilities located at 1074 Webbwood Drive, Sudbury, Ontario. The lab test work consisted of concrete tests, asphalt & aggregate tests and railway ballast tests completed on September 29th with the report completed November 2nd 1999.

Power Stripping

The Power Stripping program was completed on the Roosevelt Road Property over several days from June 18-22, 1999 by James Lathem Lathem Excavating Limited (1989) of Haileybury, Ontario. The work was conducted on Claim numbers: 1118527 &

1212011, Best Township, Temagami Ontario. The field work was supervised by the author of the this report. (See 'Sampling Area' map)

An area of 150' long by 50' wide was stripped down to bedrock on top of the ridge overlooking the Roosevelt Road. The upper strip area was accessed via creating a "bush crash" trail developed by Lathem's Hitachi 200 Excavator from the eastern side of the property. This type of access work was necessary to safeguard the viewscape aesthetics, in order to, adher to the guideline requirements for the Roosevelt Road strictly enforced by the Ministry of Natural Resources. The overburden turned out to be 1-3 feet in thickness and was deposited on the edges of the strip area along with all the trees that inhabited that strip area.

The lower strip area was completed as a separate action. The trees were first removed and the brush separately piled for aesthetical reasons away from the site which was followed then by power stripping along the base of the bedrock ridge. The bedrock was cleared and cleaned off to expose a steep 15 foot face. The bottom of the face was at '0' datum height level with the Roosevelt Road. (See 'Sampling Area' Map)

All rock exposed was that of consistent, equigranular medium to medium-fine grained Nipissing Diabase Gabbro.

Robinson Report

Doug Robinson, a geological engineering consultant, from Swastika, Ontario was contracted by both Blackstone Development & Temagami Traprock Ltd. to compare and contrast the Nipissing Diabase Gabbro traprock deposits of the "Roosevelt Road Property", Best Township, Temagami with the "new" Temagami Traprock Ltd. land acquisition "Hornet Lake Property" in Law Township and Askin Township located south of the town centre of Temagami.

Robinson examined the Roosevelt Property on Aug 17 & 27, 1999; at that time several samples were collected for assay & examination purposes. Robinson's work is summarized in the report titled: "Temagami Traprock Limited Quarry site 2 Highway 11 Law Township District of Nipissing & Notes for Quarry Site 1 Best Township" October 17, 1999.

Note: The Roosevelt Road Property is not in aggregate production; however a traprock"Nipissing Diabase Gabbro" quarry is proposed.

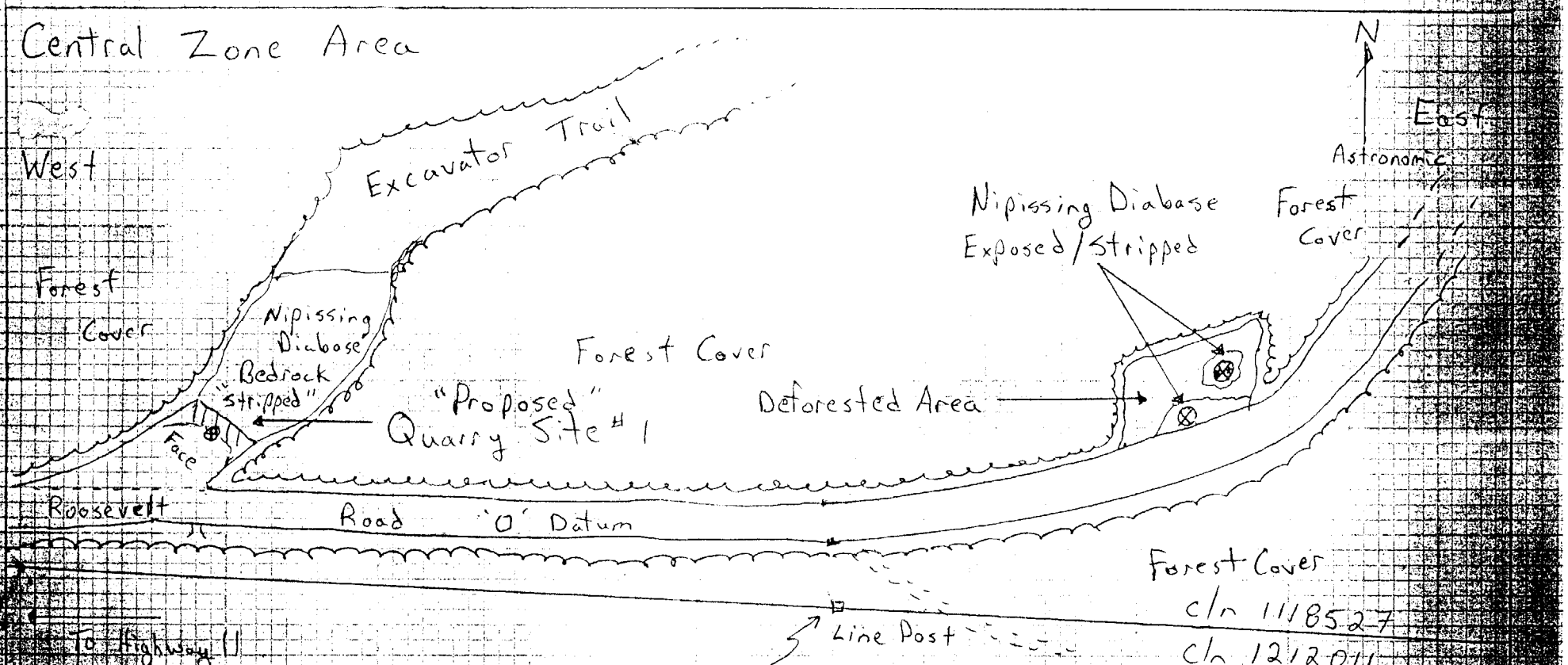
Finally, a "Property For Option" portfolio of properties controlled by Temagami Traprock Ltd. was included in this report to provide some context as to which the reader may gain some indepth knowledge of the resource potential that exists for Nipissing Diabase Gabbro rocks in northeastern Ontario.

Respectfully Submitted,

Gino Chitaroni, B.Sc.
Prospector/Mining Technologist/Geologist

December 10, 1999.
Cobalt, Ontario

Central Zone Area



To Highway 11

Legend

- Face Height = 10 - 15 feet
- Culvert
- Claim Post or Line Post
- Old Skidder Trail
- Blasted Test Site/Pit
- Sample Site

Note: Trow Sample is a Composite of the following East, Central (3 Pits) and West Zones.

Scale: 1" = 100'

0 50 0 100 200

Claim# 1118527
1212011

Roosevelt Road Property
Best Township, Temagami
TEMAGAMI TRAPROCK LTD.
Sampling Area
Drawn By: Gino Chitaroni, B.Sc.
Date: December 10, 1999.

Statement of Qualifications

I, Gino Chitaroni, reside and live in Coleman Township near the Town of Cobalt, Ontario; and do hereby declare that the following statements are true and factual:

1) Gino Chitaroni is a qualified Geologist and Mining Technologist with a Bachelor of Science Degree in Geology from Lake Superior State University, Sault Ste. Marie, Michigan, United Sates of America and a Technologist's Diploma from the Haileybury School of Mines, Haileybury, Ontario, Canada.

2) Gino Chitaroni is a licenced Prospector since 1987; Licence K21713.

3) Gino Chitaroni is a Fellow of the Geological Association of Canada; Membership #F6874 and a Member of the Association of Geoscientists of Ontario # 1092.

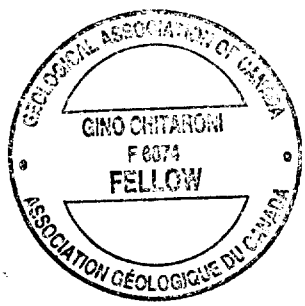
4) Gino Chitaroni is employed as President and Consulting Geologist with Blackstone Development Inc.; and as President of Temagami Traprock Ltd.; with of offices located at: 50 Silver Street, P.O. Box 699, Cobalt Ontario, Canada P0J 1C0.

5) Gino Chitaroni was present and participated in most of the work conducted on the Roosevelt Road Property.

6) Gino Chitaroni does have a pecuniary & beneficial interest in the Roosevelt Road Property as is the claim holder and President of both Blackstone Development Inc. and Temagami Traprock Ltd.

Date: December 10, 1999.

Place: Cobalt, Ontario, Canada



Signature: _____

Gino Chitaroni, B.Sc. Geology
President, Blackstone Development Inc.
President, Temagami Traprock Ltd.

Expenditures

Meegwich Inc. -- Drilling & Blasting Roosevelt Road Test Sample	$ 321.00
Trow Consulting Engineers Ltd – Laboratory Sample Testing	$2,728.50
James Lathem Excavating Limited (1989) Power Stripping/Trenching	$1,529.54
Gino Chitaroni: Field Supervision/Labour $150/day (June 18, 21, 22 1999) Geological Services & Sketch Mapping + Bulk-Sample Collection	$ 450.00
Technical Report --- Gino Chitaroni, Geologist 1 Day @ $150/day December 10, 1999.	$ 150.00
Doug Robinson P.Eng. Geological Consulting: October 17, 1999. Field Work, Report & Assays	$ 989.76
Total =	$6,168.80

Invoices

MEEGWICH INC.
Mining exploration consultants

P.O. Box 482, Temagami, Ontario P0H 2H0
Tel: (705) 569-2904 • Fax: (705) 569-2817

Date: December 18, 1998 **Invoice:** N° 507

In account with:	**Project:**
Gino Chitaroni Temagami Traprock P.O. Box 699, Cobalt, Ontario P0J 1C0	Temagami Traprock Best Twp.

GST # 12464 1697

Temagami Traprock

Drilling and blasting - 300 lb. Sample of Traprock	$ 300.00
Sub-Total	$ 300.00
GST 7%	21.00
TOTAL	**$ 321.00**

James Lathem Excavating Limited (1989)
Box 176, Niven Street
North Cobalt, Ontario POJ1R0

INVOICE

NO. 6644

DATE 6/30/99

PAGE 1

SOLD TO

Blackstone Development Inc.
50 Silver St., Box 699
Cobalt, Ontario
POJ1C0

SHIP TO

Blackstone Development Inc.
50 Silver St., Box 699
Cobalt, Ontario
POJ1C0

Proj. Temagami Trapprock

Business No.: 10257 2682

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	GST	PST	UNIT PRICE	AMOUNT
June 18	10.0	hours	Hitachi Exc200	3		68.00	680.00
June 21	6.5	hours	Hitachi Exc200	3		68.00	442.00
June 22	2.0	hours	Tractor #202 & Float	3		70.00	140.00
June 22	7.0	hours	Grader	3		60.00	420.00
July 2	2.0	hours	Tractor #202 & Float	3		70.00	140.00
			3 - GST @ 7.0%				127.54
			5-1671				

COMMENTS
Net 30 Days, 2% Interest Per Month

TOTAL ► 1,949.54

GST Reg. No: R121417489

Client No: 18753

Trow Invoice

Trow Consulting Engineers Ltd.
1074 Webbwood Drive
Sudbury, Ontario, P3C 3B7
Telephone: (705) 674-9681
Facsimile: (705) 674-8271

Temagami Traprock Ltd.
c/o Blackstone Development Inc.
P.O. Box 699
50 Silver Street
COBALT, Ontario
POJ 1CO

ATTENTION: Mr. Gino Chitaroni, B.Sc.

Date: October 31, 1999
Client's Order No:
Invoice No: S10825
Project No: SO7816M
Terms: DUE UPON RECEIPT

For professional services in connection with:
Roosevelt Road Quarry Laboratory Testing,
Temagami Traprock Ltd.
Our letter report dated November 2, 1999.

See attached breakdown

SUBTOTAL	**$2,550.00**
GST	**178.50**
TOTAL	**$2,728.50**
LESS RETAINER	**300.00**
PLEASE PAY	**$2,428.50**

Should there be any questions regarding this invoice, please contact
Rob Ferguson at this office immediately.

[illegible]

TC 5-1058 Research
A-2

Interest of 1.5% per month on balance.
Please return one copy of Invoice with remittance.

Invoice: 24TT9901 "November 29, 1999

From
Doug Robinson Consulting
Box 218 Swastika, Ontario
P0K 1T0
Phone/Fax: 705 642 9153

To
Temagami Traprock
50 Silver Street
Cobalt, Ontario
P0J1C0
Phone: 705 679-5500
Fax: 705 679-5519

Invoivce for Staking Claim 1225997 & for
Report Titled "Temagami Traprock Limited
Quarry Site 2 Highway 11
Law Township
& Notes for Quarry Site 1
Best Township"
DATED October 17, 1999

Stake claim 1225997	$ 450.00	$ 31.50	$ 481.50
Traprock Report	$ 4,272.51	$ 299.08	$ 4,571.59
	$ 4,722.51	$ 330.58	$ 5,053.09

GST # 893265538RT

Douglas Robinson P. Eng.

Data Sheet for invoice 24TT9901

$300	99-Aug-17	Field obsevation & data review in Law and Best Tp
$300	99-Aug-25	Field measurement, obsevation & data review in Law Tp & stake 1225997
$300	99-Aug-26	Field measurement, obsevation & data review in Law Tp & stake 1225997
$300	99-Aug-27	Field measurement, obsevation & data review in Law and Best Twp
$300	99-Aug-28	Compiling Data, log rock samples
		Deliver three films 9698, 9699 & 9700
$300	99-Aug-31	Deliver samples to Swastika Laboratories.
		Photograph samples delivered for Analysis (Film 9829)
$300	99-Sep-27	Verified field exposures along south and central outcrops & compile data.
		Mileage gratis
$300	99/Oct-13	Report Preparation
$300	99/Oct-14	Report Preparation
$300	99/Oct-15	Report Preparation
$300	99-Oct-16	Deliver Photopages for photocopy
$300	99-Oct-17	Collate and verify report
$300	99-Oct-18	Send Report via Dicom
$3,900	Sub-Total	

$	1.79	99/08/24	Meal (Temagami)
$	113.86		Meals (three days in Temagami) August 25-27
$	7.00	99/09/27	Meal (New Liskeard during travel)
$	11.47	99/08/26	Supplies (Grant Home Hardware)
$	4.01	99/08/26	Plum Bob String (Grant Home Hardware)
$	17.25	99/08/26	Better quality rope (Smoothwater outfitting)
$	20.00	99/08/25	Fuel (Temagami)
$	25.00	99/08/27	Fuel (Latchford)
$	13.88	99/Oct/18	Dicom express to Cobalt
$	127.72	" -->	Milelage 412 km @ $0.31/km (Swastika Return Aug 1 & 25-28)
	0.00	99/Sept/27	262 km gratis
	0.00	Various	7x14 km trips to Kirkland Lake gratis
$	238.83	99/Oct/16	Carl's Office Suppies (colour photcopies of report)
$	133.88	Various	Four films with with developing & 4 reprints of each film @ 33.47/film
$	20.00	Various	Communications
$	17.82	Various	54pages*0\$0.33 high quality mounting pages
$	30.00	99/oct/16	scan and archive report photo pages by Bruce Yade
$	40.00	Various	Stationary and printing costs
$	822.51	Total Expenses	

$4,722.51	TOTAL COSTS AND EXPENCES
$ 330.58	GST
$5,053.09	TOTAL OWING

Breakdown	Cost	GST	Total
Staking 1225997	$ 450.00	$ 31.50	$ 481.50
Traprock Report	$4,272.51	$ 299.08	$ 4,571.59
	4722.51	$ 330.58	$ 5,053.09

GST # 893265538RT

Appendix "A"

Roosevelt Road Quarry
Laboratory Testing
Temagami Traprock Ltd.

Trow Consulting Engineers Ltd.

Trow

Trow Consulting Engineers Ltd.

1074 Webbwood Drive
Sudbury, Ontario
P3C 3B7

Telephone: (705) 674-9681
Facsimile: (705) 674-8271

Reference: **SO7816M**

November 2, 1999

Temagami Traprock Ltd.
c/o Blackstone Development Inc.
P.O. Box 699
50 Silver Street
COBALT, Ontario
POJ 1CO

ATTENTION: Mr. Gino Chitaroni, B.Sc. Geology

Dear Sirs:

ROOSEVELT ROAD QUARRY
LABORATORY TESTING
TEMAGAMI TRAPROCK LTD.

As requested, we have made the changes to the text of the report as noted on your fax transmittal dated October 25,1999.

We have discussed the possibility of performing laboratory testing on your Roosevelt Traprock Quarry for "Rockwool" insulation purposes, however, our laboratories are not set up for this type of testing. We have contacted other testing laboratories and we cannot find any laboratories that are familiar with this type of testing.

We have also included the additional testing that would be required in order to carry out the two long term tests (i.e. Concrete Prism Expansion and Salt Scaling Tests) on your quarry stone to satisfy the Ministry of Transportation and CSA guidelines. The costs associated with this testing will be **$1,400.00** for the Concrete Prism Expansion Testing and **$1,200.00** for the Salt Scaling Test. In order to properly prepare a concrete mix for the testing, Trow will use normal Portland 10 cement, your Roosevelt Road Quarry stone for coarse aggregate and we will need a 100 lb. sample of sand from a local sand source in your area.

Should you have any further questions, please do not hesitate to contact the undersigned at this office.

Yours truly,

Trow Consulting Engineers Ltd.

R.J. Ferguson, C.E.T.
Manager, Field & Laboratory Services

Enclosure:

RAILWAY ROCK BALLAST SPECIFICATIONS			
Test	**Sample Test Results**	**Specification Limits**	
		CNR	**CPR**
Material Finer than 75 μm %	0.6%	0-1%	0-1%
% Fractured Faces	100%		98% 1 face
% Fractured 2 Faces	93.9%		75% 2 face
Relative Density 1) 2) 3)	 3.056 3.022 3.044		 2.6
Absorption%	0.4	0.5%	0.5%
Soundness MgSO4 (% loss at 5 cycles)	8.8	7.0%	1.0%
Flat and Elongated Particles %	16.9	30% max	30.0% max
Petrographic Number		n/a	n/a
MicroDeval Abrasion % loss	4.4	n/a	25% max
Mill Abrasion % loss	n/a	n/a	6.0% max
Abrasion Number	n/a	n/a	40.0% max
NOTE: Data for Mill Abrasion and Abrasion Number are presently unavailable because a testing laboratory cannot be located.			

ASPHALT AGGREGATE TEST DATA

TROW CONSULTING ENGINEERS, NORTH BAY TELEPHONE (705) 472-2220 FAX (705) 472-5541

CONTRACT NUMBER	CONTRACTOR	CONTRACT LOCATION
	Blackstone Quarry	Cobalt, Ontario

FINE AGGREGATE GRADATION

TYPE	SOURCE			INVENTORY NUMBER	
SIEVE SIZE	HL1 & 3	HL 2	HL4 & 8	SAMPLE RESULTS	MEETS SPECIFICATION
75 um	0-5% passing	3-8% passing	0-7% passing		

FINE AGGREGATE PHYSICAL REQUIREMENTS

LABORATORY TEST	ACCEPTANCE	REQUIREMENTS	HL TYPE	REFERENCE MATERIAL RESULTS	SAMPLE TEST RESULTS	Meets Requirements Y/N
Micro Deval % Max. Loss	DFC & OFC HL 1 & 3 HL 2,4,8 & HDB	15 % 20 % 25 %				
Plasticity Index	0					

COARSE AGGREGATE

TYPE	SOURCE NAME	INVENTORY NUMBER

HL 1, DFC, AND OFC COARSE AGGREGATE PHYSICAL REQUIREMENTS

LABORATORY TEST	GRAVEL (G)	DOLOMETRIC SANDSTONE (DS)	Traprock, Diabase & Andesesite (T)	Meta-Arkose & Gneiss (M)	Rock Type	Reference Material	Sample Test	Meets Requirements (Y /N)
Wash Pass 75um	1.0	**1.0**	1.0	1.0			0.60	yes
Absorption	1.0	**1.0**	1.0	1.0			0.4	yes
% Flats and Elongated	15	15	15	15			16.9	no
Petrographic Number	**120**	140	120	145			101	yes
Insoluble Residue		45					0	
% Loss Freeze Thaw	6	6	6	6			4.4	yes
2 Faces Crushed	80						93.9	yes
Micro-Deval	5	15	10	15			4.4	yes

HL 3, 4, 8 AND HDBC COARSE AGGREGATE PHYSICAL REQUIREMENTS

LABORATORY TEST	HL 3	HL 4 SURFACE	HL 4 BINDER & HL8	HDBC	Reference Material	Sample Test	Meets Requirements (Y /N)
Wash Pass 75um	1.3 NOTE 1	1.3 NOTE 1	1.3 NOTE 1	1.3 NOTE 1		0.60	yes
Absorption	**1.75**	2.0	2.0	2.0		0.4	yes
Magnesium Sulphate	12	12	15	15		8.8	yes
% Crushed Particles	80	80	80	100		100.0	yes
% Flats and Elongated	20	20	20	15		16.9	only for HL3,4,8
Petrographic Examination	NOTE 3	NOTE 3				0	
Petrograghic Number	145 NOTE 4	160 NOTE 4	160 NOTE 4	160		101.0	
2 faces Crushed, %				95 NOTE 2			
Micro Deval	17	17	21	21	17.8	4.4	
Alternative Requirements to Magnesium Sulphate Soundness							
Unconfined Freeze Thaw	6	6	15	15		4.4	yes

Issued By: **Robert Ferguson** Sept 29,1999

PRINT NAME LABORATORY REPRESENTATIVE SIGNATURE DATE

Recieved By:

PRINT NAME MTO REPRESENTATIVE SIGNATURE DATE

NOTES

NOTE 1: When quarried rock is used as a source aggregate, a maximum of 2.0 percent passing the 75 um sieve shall be permitted.

NOTE 2: This only applies to HDBC coarse aggregates crushed from gravel sources.

NOTE 3: This note is applicable to surface couse aggregate in Districts 52. 53. 54 (excluding Manitoulin Island), 61 ,62; in District 4: on Hwy. 28 north of Hwy. 620, Hwy. 41, Hwy. 60, Hwy.62, Hwy. 121 east of Haliburton, and Hwy. 127; in District 42: Hwy. 41, Hwy. 60 and Hwy.62; and in the Distrct 41 on Hwy. 62 north of Hwy. 7.

When the coarse aggregate for surface couse mix is obtained from a gravel pit or quarry containing more than 40% limestone and dolostone in the retained 4.75 mm portion of the coarse aggregate, then blending with aggregate of non-carbonate rock type shall be required. The blend shall be such as to increase the non-carbonate rock type content of the coarse aggregate to 60% minimum of the retained 4.75 mm portion, as determined by petrographic examination (MTO LS - 609). The method of blending shall be such as to produce uniform blending and shall be subject to approval by the Owner.

When the coarse aggregate for surface course mix is obtained from a non-carbonate source, blending with carbonate rocks (limestone and dolostone) shall be permitted.

NOTE 4: For coarse aggregates to be used for HL 3, HL 4, and HL 8, provided that the source (bedrock or gravel) contains more than 70% granite (excluding diorite, gabbro, and diabase) and/or gneiss,as determined by LS - 609, the physical requirements are modified to allow a maximum petrographic number of 180 in the Petrographic Analysis Test (LS - 609). This note is applicable to coarse aggregates tp be used for HL 3, and HL 8 in District 62 (excluding St. Joseph Island), District 61 (excluding James and Hudson Bay Lowlands), District 54 (excluding Manitoulin Island), District 53 (excluding James Bay Lowlands), District 52 and 43 (north of Apsley and Kaladar), District 42 (west of Arnprior) and District 33 (north and east of Hwy. 12).

NOTE 5: The requirements will be waived by the Owner when the aggregate meets the alternative unconfined freeze-thaw requirements, MTO LS - 614, details in Table 5.

NOTE 6: Where asphaltic concrete forms the surface upon which vehicular traffic will directly travel, the physical requirements for HL 4 surface will apply to the aggregate used.

CONCRETE AGGREGATE TEST DATA

TROW CONSULTING ENGINEERS, NORTH BAY. TELEPHONE (705) 472-2220 FAX (705) 472-5541

CONTRACT NUMBER	CONTRACTOR	CONTRACT LOCATION
	Blackstone Quarry	Cobalt, Ontario

FINE AGGREGATE

FINENESS MODULUS:	INVENTORY NUMBER	GRADATION			
SOURCE		SIEVE SIZE % PASS 75UM	GRADATION REQUIREMENTS	SAMPLE RESULTS	MEETS SPECIFICATION

PHYSICAL REQUIREMENTS

LABORATORY TEST	ACCEPTABLE LIMITS	Reference Material Results	Sample Results	Agg. is on concrete ASL	Meets Spec.
Micro Deval LS 619	20.0 % maximum				
NaOH Colorimetric LS 610	colour lighter than standard solution or organic plate no. 3				
Structural Strength (ASTM C87) Needed only if aggregate fails LS 610	at 7 days min. of 95% of strength of motar washed				
Accelerated Mortar Bar (CSA A23.2-25A)	0.140% max at 14 days				
Concrete Prism Expansion (CSA A23.2-14A)	0.040% max. at 1 year				

COARSE AGGREGATE

Normal Max. Size (mm	Source	Inventory Number	Gradation	Meets Specification

PHYSICAL REQUIREMENTS

Laboratory Test	Acceptance Requirements		Reference Material Results	Sample Results	Aggregate on concrete ASL	Meets Spec.
	Pavements	Structures, Sidewalks, Curb & Gutter, Base				
Wash Pass 75 um Sieve	1.0% Maximum Gravel 2.0% Max.Crushed Rock	1.0% Maximum Gravel 2.0% Max.Crushed Rock		0.6		yes
Absorption	2.0% Max.	2.0% Max.		0.400		yes
Manesium Sulphate	12.0% loss Max.	12.0% loss Max. (see Page 2)		8.8		yes
Flat and Elongated Particles	20% Max.	20% Max.		16.9		yes
Petrographic Number	125 Max.	140 Max.		101.0		yes
Micro Deval Abrasion	13% Max.	17% Max.		4.4		yes
Freeze Thaw	6.0% Loss Max.			4.4		yes
Accelerated Mortar Bar	0.14% Max. at 14 days (see Page 2) 0.080% Max. at 14 days (see Page 2)			0.04		yes
Alkali Carbonate Reactivity	Chemical composition must plot in non-expansive field of figure 1 of test method. (see page 2).					
Concrete Prism Expansion	0.040% Max. at one year (see Page 2)			not completed		
Salt Scaling Test	0.80 kg/m2 loss Max. after 50 cycles of freezing and thawing (see Page 2)			not completed		
Concrete Freeze Thaw	Max. average length 0.0350% (see Page 2). fundimental transverse frequency FTF avg 90% FTF 14 days			not completed		

Issued By: **Robert Ferguson** Sept. 29,1999

PRINT NAME LABORATORY REPRESENTATIVE SIGNATURE DATE

Recieved By: _____

PRINT NAME CONTRACT ADMINISTRATOR SIGNATURE DATE

FINE AGGREGATE (OPSS 1002)

Sodium Hydroxide Colorimetric Test (LS-610)

* fine aggregate failing this may be approved if it meets the requirements of the structural strenghth test (ASTM C87)

Accelerated Mortar Bar Test (CSA A23.2 - 25A)

The need for data to demonstrate compliance with this requirement will be waived by the contract administrator if the source is on the owner's list of fine aggregates approved for use in concrete

An aggregate which fails this requirement may be accepted provided the requirements of CSA A23.2 - 14A are met

Aggregate that contains more than 1.0% chert, measured by LS-616 that fails the 14 day requirement may be accepted provided the expansion after 28 days does not exceed 0.30%

Concrete Prism Expansion Test (CSA A23.2 - 14A)

The need for data to demonstrate compliance with this requirement will be waived by the contract administrator if the source is on the owner's list of fine aggregates approved for use in concrete

An Aggregate need only meet this requirement if it fails the requirements of CSA A23.2 - 25A. Test data shall be from a sample of material that is from the same source, processed in the same manner as the material which is intended to be used. The data shall have been obtained within the past 18 months

COARSE AGGREGATE (OPSS 1002)

Magnesium Sulphate Soundness Test (LS-606)

The requirements will be waived by the owner when the aggregate meets the alternative unconfined freeze-thaw requirement (LS-614 or CSA A23.2 - 24A)

Accelerated Mortar Bar Expansion Test (CSA A23.2 - 25A)

The need for data to demonstrate compliance with this will be waived by the contract administrator if the source is on the owner's list(s) of approved concrete coarse aggregates

If the aggregate is potentially expansive due to alkali-carbonate reaction, as determined by CSA A23.2 - 26A, the aggregate must be demonstrated to meet the requirements of CSA A23.2 - 14A even though it maybe shown on the owner's list(s) of approved concrete coarse aggregates

An aggregate which fails to meet these requirements will be accepted by the owner provided the requirements of CSA A23.2 - 14A are met

Potential Alkali-Carbonate Reactivity of Quarried Carbonate Rock (CSA A23.2 - 26A)

The need for data to demonstrate compliance with this requirement only applies to aggregate quarries from the Gull River and Bobcaygeon Formations of Southern and Eastern Ontario. These dolomitic limestone outcrop on the southern margin of the Canadian Shield from Midland to Kingston and in the Ottawa - St Lawrence Lowlands near Cornwall, Ottawa and Pembroke

ncrete Prism Expansion Test (CSA A23.2 - 14A)

eed for data to demonstrate compliance with this will be waived by the contract administrator if the source is on the owner's list(s) of approved concrete coarse aggregates

If the aggregate is potentially expansive due to alkal-carbonate reaction, as determined by CSA A23.2 - 26A, the aggregate must be demonstrated to meet the requirements of CSA A23.2 -14A, even though it may be shown on the owner's list(s) of approved concrete coarse aggregates

An aggregate need only meet this requirement if it fails the requirements of either CSA A23.2 - 25A or CSA A23.2 - 26A.

The test data shall be that obtained from a sample of aggregate that is identical to that which is intended to be used and the data shall have been obtained within the last 18 months.

I f this test is conducted to show that an aggregate deemed potentially expansive by CSA A23.2 - 26A does not exceed 0.040% after one year then chemical analysis (CSA A23.2 - 26A) shall be provided to show that the aggregate intended for use has the same chemical composition as the material tested in CSA A23.2 - 14A

Salt Scaling Test (LS-412)

Coarse aggregate composed of more than 80% siliceous and silicate mineral rock types shall be tested, together with a fine aggregate from the same geographic area as the coarse aggregate or the fine aggregate that is intended that the coarse aggregate be used in.

This test shall be done at the time of first use of the aggregate and submission of satisfactory test results will be acceptable for subsequent use of the aggregate

The need for data to demonstrate compliance with this requirement will be waived by the contract administrator if the source is on the owner's list(s) of coarse aggregate approved for concrete.

Concrete Freeze- Thaw Test (ASTM C666 - Procedure A)

Coarse aggregate from carbonated (limestone and dolostone) bedrock quarries for concrete pavement and concrete base shall be tested.

The fine aggregate shall be from the same geographic area as the coarse aggregate or the fine aggregate that it is intended that the coarse aggregate be used with.

This test shall be done at the time of first use of aggregate and submission of satisfactory test results will be acceptable for subsequent use of the aggregate.

The bench within the quarry from which the aggregate is selected for testing shall be defined. Approval of the aggregate fo concrete pavement will only apply to the bench of the quarry from which the aggregate was taken. Aggregate processed from other benches within the same quarry will require testing prior to use.

The need for data to demonstrate compliance with this requirement will be waived by the contract administrator if the source is on the owner's list(s) of coarse aggregate approved for concrete paving and concrete base.

COARSE AGGREGATE PETROGRAPHIC ANALYSIS

SOURCE:	Blackstone Quarry
SAMPLE:	19 mm Stone
FRACTION:	-19.0 mm
LAB. NO.:	99.86
ANALYST:	MARK SMERECZYNSKY
DATE:	August 19, 1999

Type No.	Type	Mass	%	Granular Correction	
01	Carbonate (hard: silty, hard)			-	-
20	Carbonate (Sur. Weath.: silty, surf, weath.; med. Hard)			-	-
03	Carbonate (sandy, hard or medium hard)				
21	Carbonate (slightly cherty; <5%chert)			-	-
03	Conglomerate - Sandtone - Arkose (Hard)			-	-
04	Gneiss Amphibolite - Schist (Hard)			-	-
05	Quartzite			-	-
08	Granite - Diorite-Gabbro (Hard)	995.4		-	-
	TOTAL GOOD AGGREGATE	995.4	99.5	-	-
35	Carbonate (Soft: silty, soft; slightly shaley)		-		
40	Carbonate (sandy, soft)				
26	Chert-cherty carbonate (<20% leached chert)				
25	Gneiss Amphibolite-Schist (Brittle)				
	TOTAL FAIR AGGREGATE			-	-
27	Granite- Diorite-Gabbro (Brittle)	5.4	0.5	x2	1.0
43	Carbonate (shaley; clay, silty, clayey				
53	Cementation (Partial)				
	TOTAL POOR AGGREGATE	5.4	0.5	-	-
61	Shale				
	TOTAL DELETERIOUS AGGREGATE			-	
	TOTALS	1000.8	100	-	1.0

PERCENT GOOD	99.5 x 1 = 99.5
PERCENT FAIR	0.5 x 3 = 1.5
PERCENT POOR	
PERCENT DELETERIOUS	

HOT MIX, MULCH AND CONCRETE P.N.	101.0
CORRECTED GRANULAR AND 16 MM CRUSHED P.N.	100.0

Notes

1. Analysis carried out according to MTO method of Test LS-609, Rev. No. 16
2. This analysis does not take into account the potential for alkali-aggregate reactivity.

Appendix "B"

Property For Option

Blackstone Development Inc

BLACKSTONE
Development Inc.
P.O. Box 699, 50 Silver Street
Cobalt, Ontario, Canada P0J 1C0
Tel. (705) 679-5500
Fax. (705) 679-5519
email: blackstn@nt.net

Property For Option

Various Locations near Cobalt and Temagami, Northeastern Ontario

Mineral Potential: PGE, Copper & Nickel and/or Cobalt & Silver

Property Groups:
(a) Roosevelt Road Property, Best Township, Temagami
(b) Hornet Lake Property, Law & Askin Township, Temagami
(c) S-Corner Property, Gillies Limit Township, Latchford
(d) Lorrain Township Property, Lorrain Township, Cobalt
(e) Bucke Township Property, Bucke Township, Haileybury
(f) Maiden Lake Property, South Lorrain Township, Cobalt

Ownership: 100% Temagami Traprock Ltd. wholey-owned subsidary of Blackstone Development Inc. Cobalt, Ontario.

Geology: All properties are covered with Nipissing Diabase "intrusion" Sill Gabbro rocks normally **in contact with** Horonian Sedimentary rocks (Coleman & Firstbrook Members and Lorrain Formation rock types characterized by slates, conglomerates, arkoses, arenites) and Keewatin volcanic rocks (basalts/andesites, dacites/rhyolites interflow sediments and ultramafic rocks) of the Southern Sub-Province and the southern extension of the Abitibi Greenstone Belt of the Canadian Shield.

Property History: All property groups are part of a targeted effort to explore for Traprock bedrock aggregate and ballast for the asphalt & concrete rockwool construction material's industry. No real effort has been expended to explore Platinum Group element metals, Basemetals

(namely Copper, Nickel or Cobalt), or Silver-Cobalt Vein Deposits. At the Roosevelt Road Property some ground grid, geophysics and geology work was completed; most other properties were prospected for traprock purposes only.

For the most part, many of the properties south of the Town of Cobalt were frozen from mineral exploration and development between 1973-1992-6 because of the Temagami Native Land Claim (now extinguished); and subsequently re-opened since 1992-6.

Exploration in the cobalt area tended to lean toward Silver-Cobalt vein deposits for most of the past 90 years. Very little work has been completed on the claims groups near the Cobalt area, except for very minor pit and trench development work common to the Cobalt "Silver Rush". The contact area near Nipissing Diabase is a key exploration tool in discovering Silver-Cobalt vein structures.

New Developments

With rise in the price of Palladium and the strong maintenance price for Platiunum, both based on short world supply and new use factors, re-newed exploration efforts for Platinum Group Elements (PGE) has taken place in Canadan and specifically Northern Ontario. Among some of the more encouraging exploration efforts is the recent discoveries near River Valley (Due East of Sudbury), Ontario and East Bull Lake (west of Sudbury) hosted in Nipissing Diabase ultramafic rock intrusions.

As a result, there is a re-newed exploration interest in Nipissing Diabase rocks throughout the Province of Ontario.

Finally, companies like north American Palladium Ltd. have been successful in open-pit mining low-grade Copper-Nickel but PGE oriented sulphide deposits in an ultra-mafic host rock environments.

Temagami traprock Ltd. properties **all** contain Nipissing Diabase rocks which cover a very diverse broad area in various locations and environments throughout Northeastern Ontario in the Temagami-Cobalt region.

The company is looking for a prospective business partner to assess its claim groups (one overall package) for PGE and Copper-Nickel potential. The terms for an agreement are meant to be very reasonable and affordable.

For more information please contact Gino Chitaroni at Blackstone Development.

Contact: Blackstone Development Inc./Temagami Traprock Ltd.
Care of: Gino Chitaroni, B.Sc. Geology
50 Silver Street, P.O. Box 699
Cobalt, Ontario P0J 1C0

Phone: (705) 679-5500
FAX: (705) 679-5519

Property Descriptions

#1 Roosevelt Road Property

Best Township, Temagami, Ontario

No.	Claim #	# Units	Due Date
1)	1212011	3	Oct. 23, 2001
2)	1212012	4	Ditto
3)	1212013	4	Ditto
4)	1118527	3	May 5, 2002
5)	1206294	15	May 9, 2000
6)	1212069	14	March 26, 2001
7)	1212070	9	Ditto

Total: 7 Claims or 51 Units

Property Size: 2,040 acres or 816 hectares

#2 Hornet Lake Property

Law & Askin Townships, Temagami, Ontario

No.	Claim #	#Units
Askin		
1)	1236113	4
2)	1212399	3
3)	1236111	1
Law		
1)	1236112	1

Total 4 Claims 9 Units (Described Above)

Property Size: 360 acres or 144 hectares

Note: 2 "New" Staked Claims: 9 Additional Units 360 acrea & 144 hectares

Final Total = 6 Claims or 18 units for 720 acres or 288 hectares

#3 S-Corner Property

Gillies Limit Township, Latchford, Ontario

No.	Claim #	# Units
1)	1236081	1
2)	1236082	1

Total: 2 Claims or 2 Units

Property Size: 80 Acres or 32 Hectares

#4 Lorrain Township Property

Lorrain Township, Cobalt Area, Ontario

No.	Claim #	# Units
1)	1236105	1
2)	1236106	1
3)	1236107	1
4)	1236108	1

Total: 4 Claims or 4 Units

Property Size: 160 acres or 64 hectares

#5 Bucke Township Property

Bucke Township, Haileybury, Ontario

No.	Claim #	# Units	Status
1)	Lot 4 Con 5 W ½ of S 1/2	2	Patented

Total: 1 claim or 2 Units

Property Size: 80 acres or 32 hectares

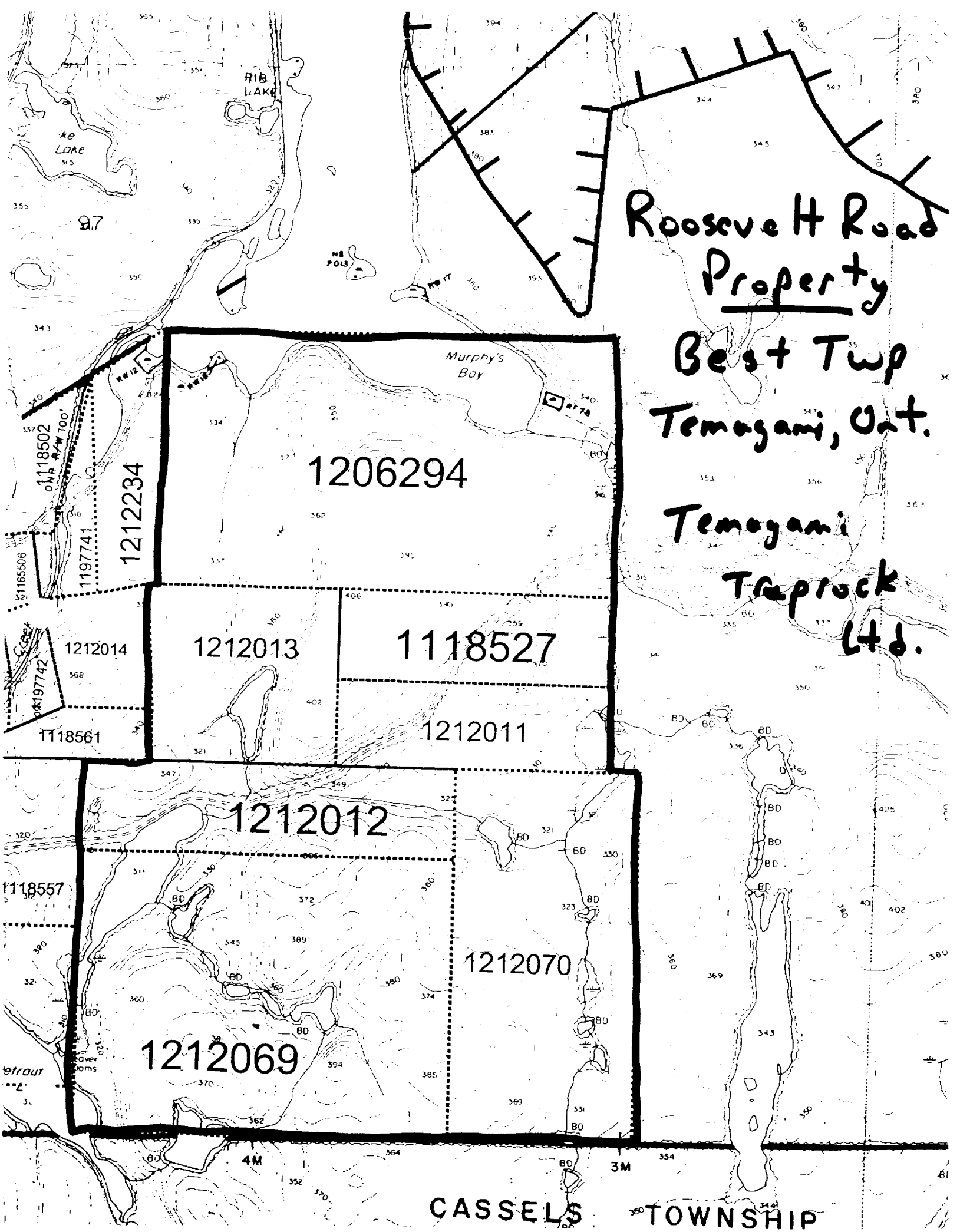
#6 Maiden Lake Property

South Lorrain Township, Cobalt Area, Ontario

No.	Claim #	# Units
1)	1236080	1
2)	1236109	1
3)	1236110	1

Total: 3 Claims or 3 Units

Property Size: 120 acres or 48 Hectares


Roosevelt Road
Property
Best Twp
Temagami, Ont.
Temagami
Traprock
Ltd.
Murphy's
Bay
1206294
1212234
1212013
1118527
1212014
1212011
1118561
1212012
1212070
1212069
1118557
1118502
1197741
1197742
CASSELS TOWNSHIP

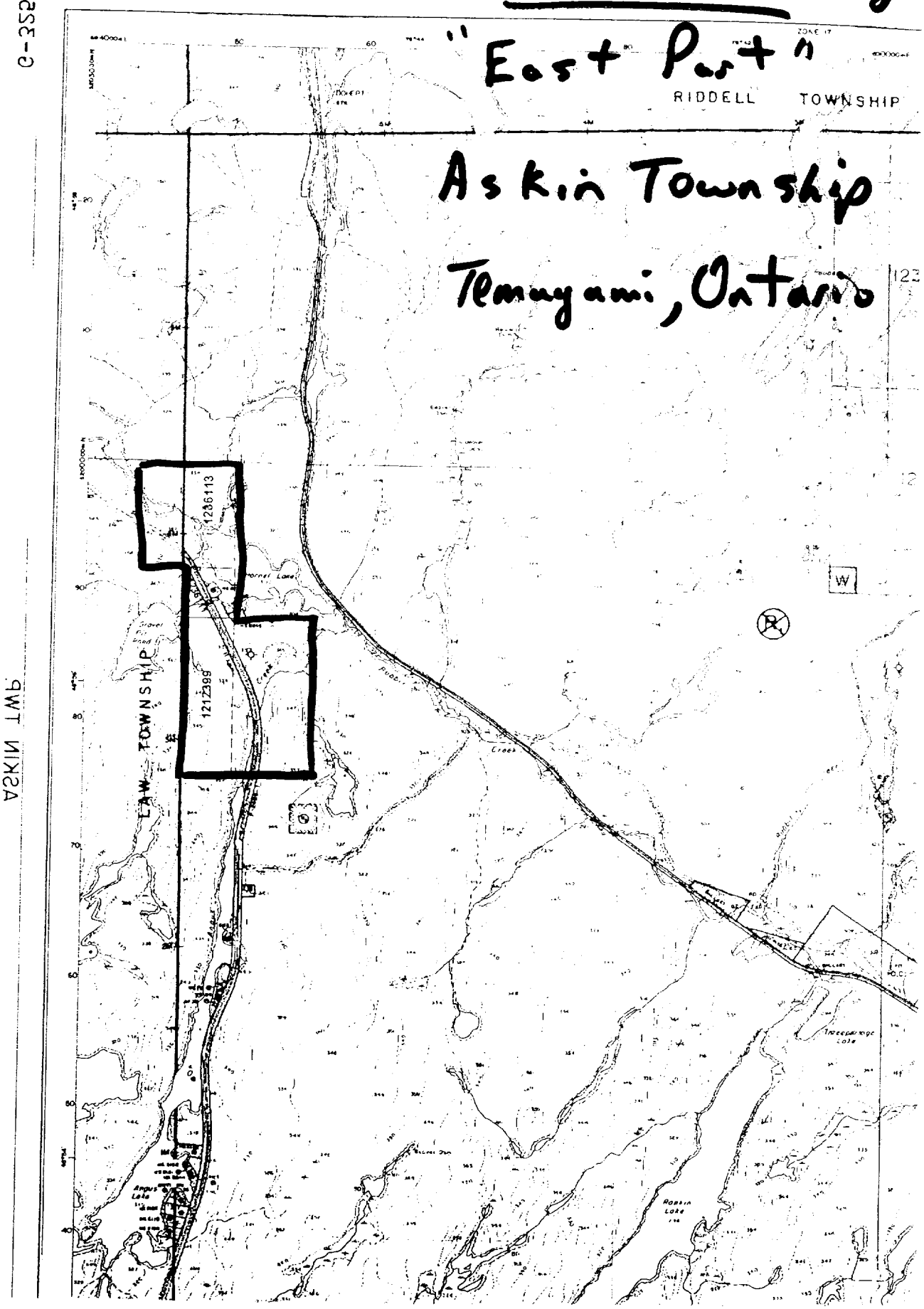
Temagami Traprock Ltd.

Hornet Lake Property

"East Part"

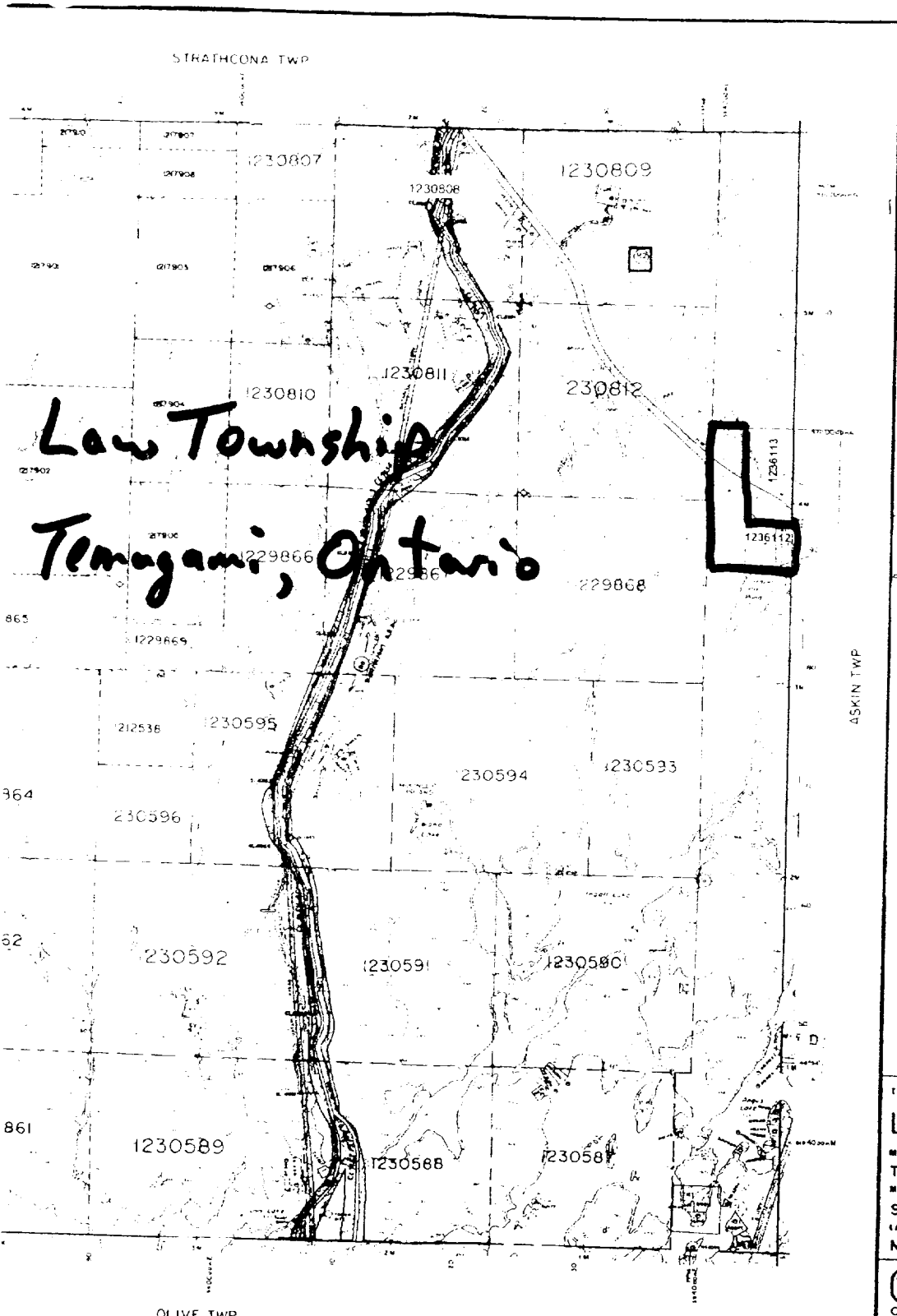
Askin Township

Temagami, Ontario



Temagami Traprock Ltd.

Hornet Lake Property
"West Part"



Law Township

Temagami, Ontario

LEGEND

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	
LAND USE PERMIT	

NOTE: MINING RIGHTS ... CANCELLED PATENTED PRIOR TO ... 1913 WERE ... ORIGINAL PATENTEE ... THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 62, SUBSEC.

SCALE 1:20 000

GRID ZONE 17

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

TOWNSHIP

LAW

M.N.R. ADMINISTRATIVE DISTRICT

TEMAGAMI

MINING DIVISION

SUDBURY

LAND TITLES / REGISTRY DIVISION

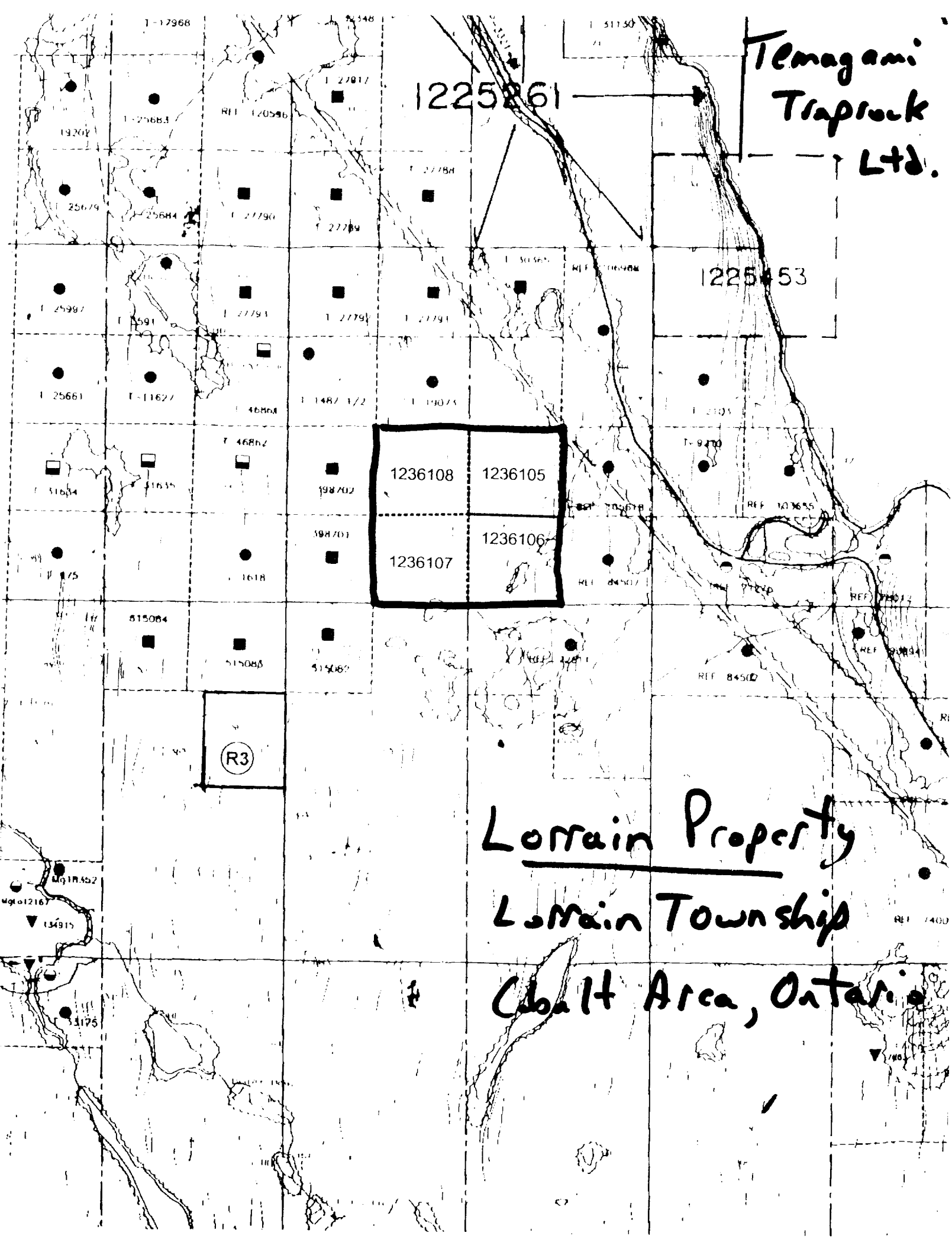
NIPISSING

Ontario Ministry of Natural Resources — Land Management Branch

Original Compilation: JULY, 1985

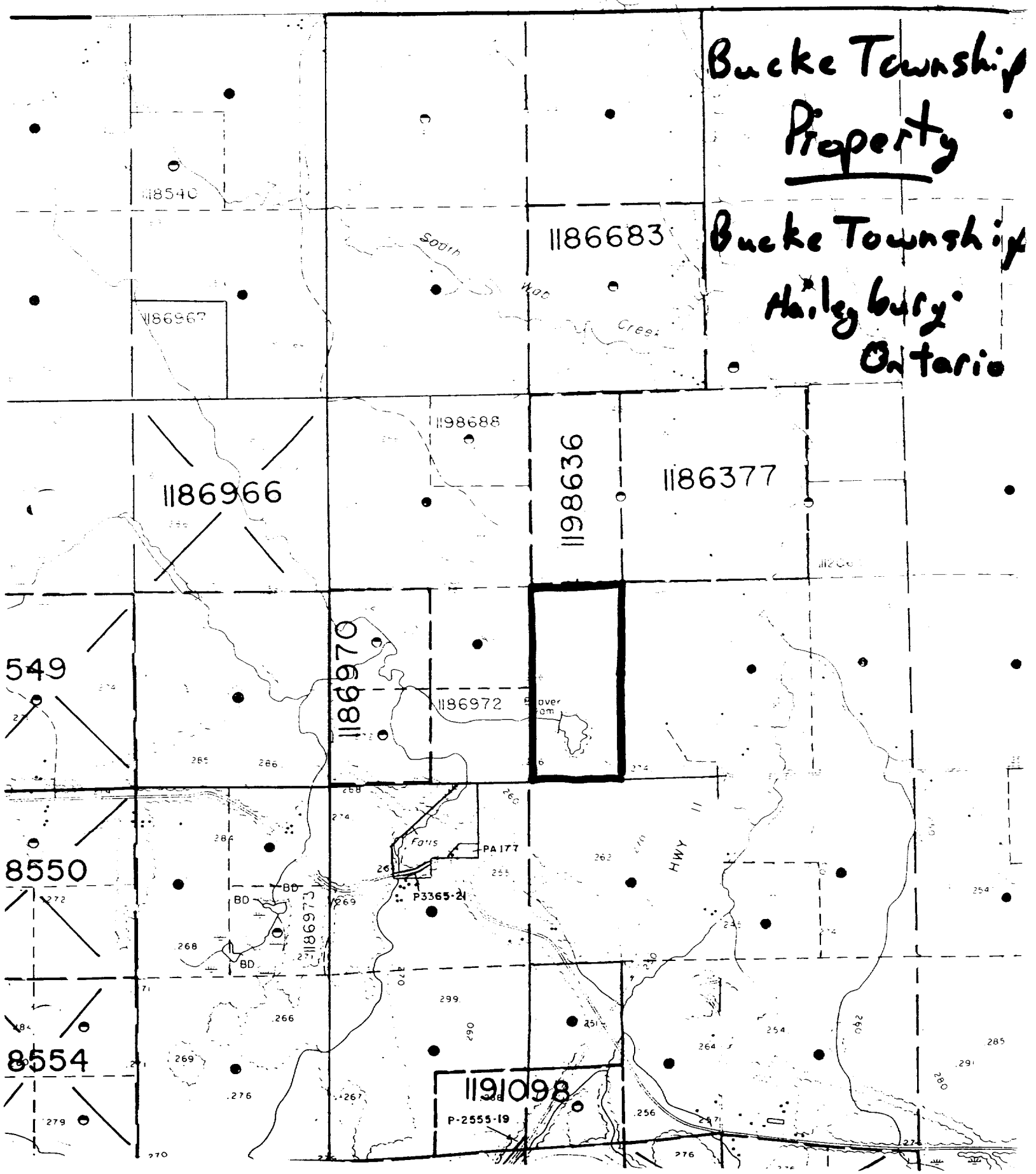
Revised:

Number: G-2835


1225261
Temagami Traprock Ltd.
1225453
1236108
1236105
1236106
1236107
R3
Lorrain Property
Lorrain Township
Cobalt Area, Ontario

Temagami Tryprock Ltd.

DYMOND TOWNSH

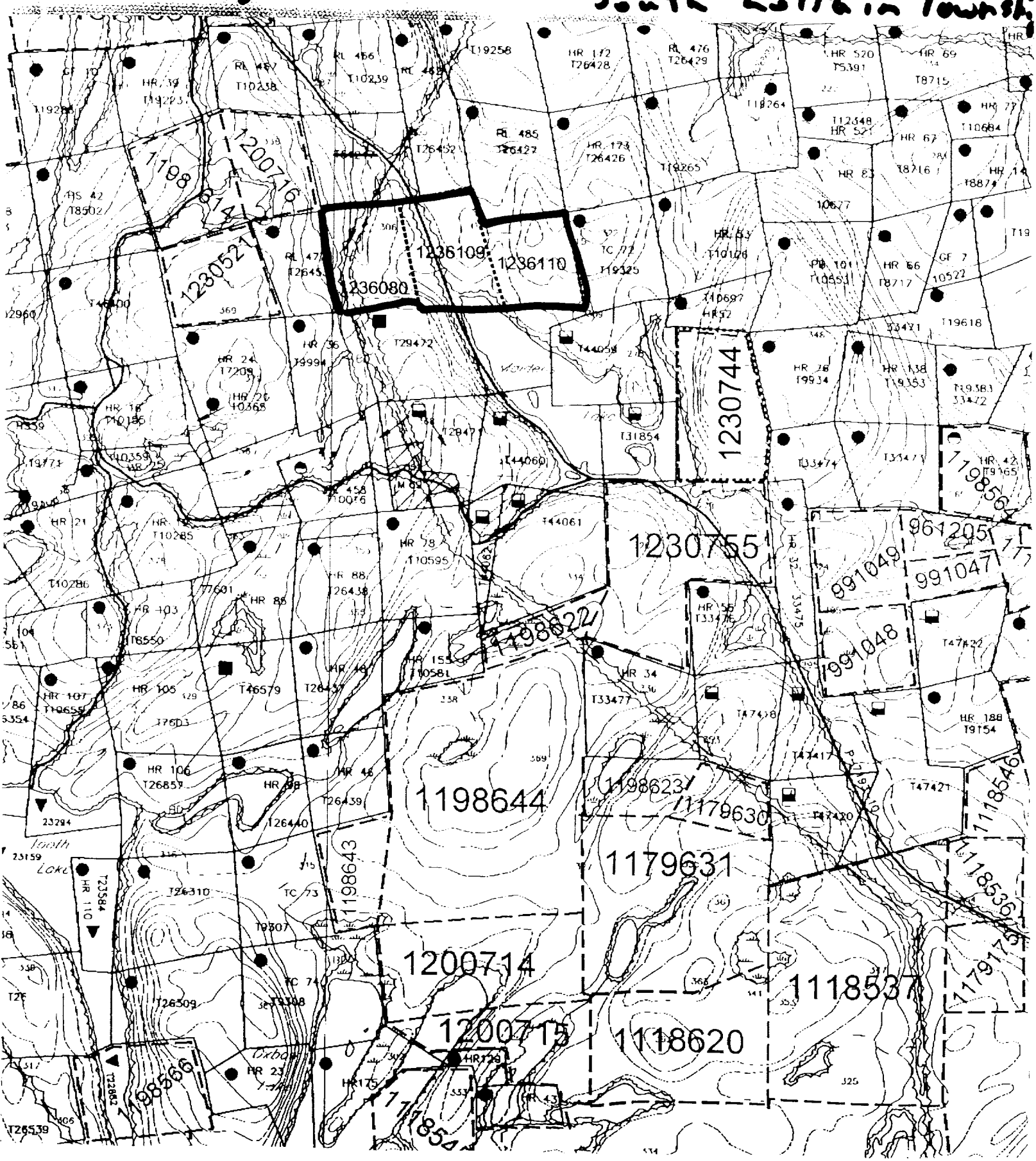


Temagami Traprock Ltd.

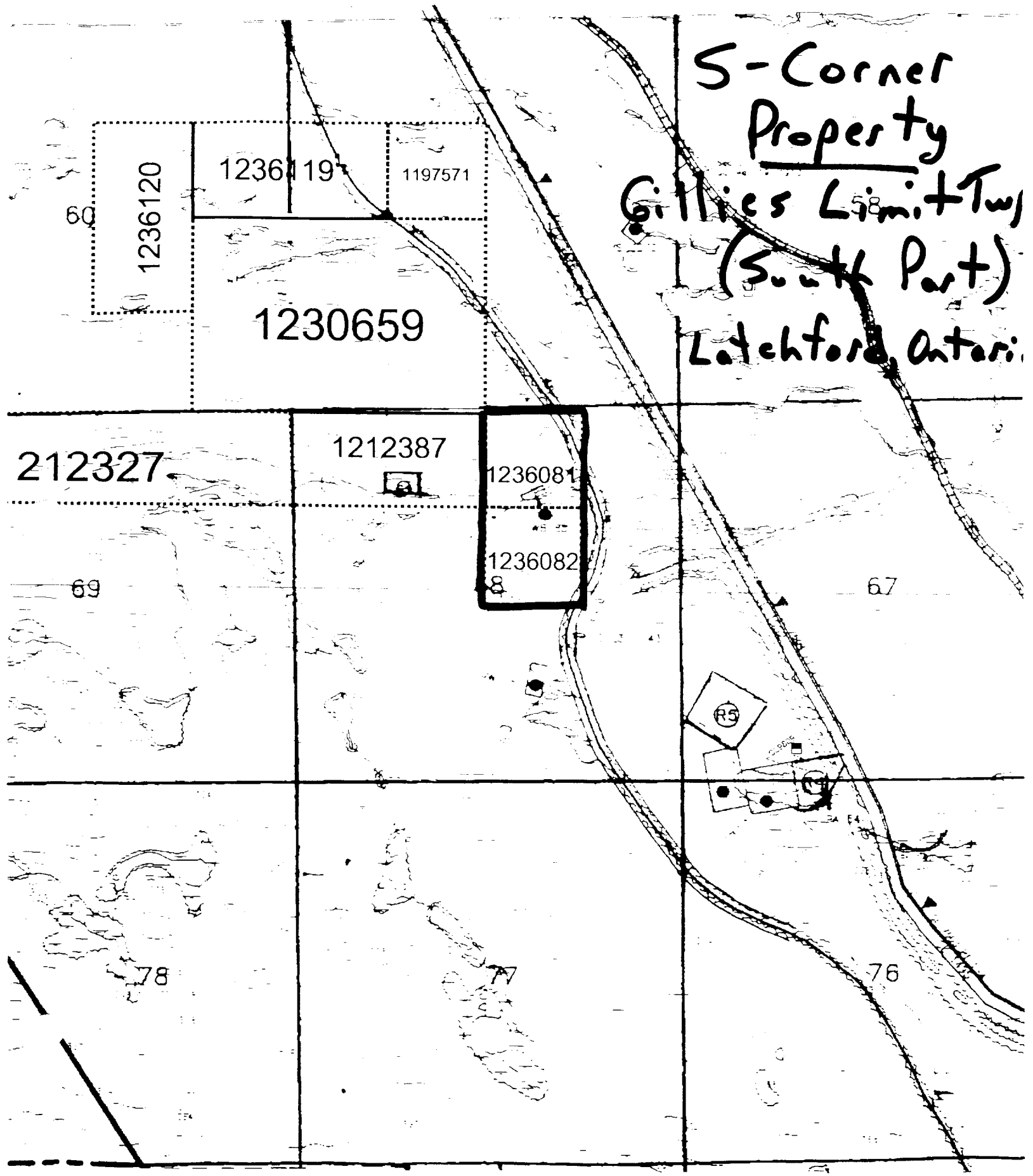
Maiden Lake Property

Cobalt Area, Ontario

South Lorrain Township



Temagami Traprock Ltd.



REPORT

TEMAGAMI TRAPROCK LIMITED

Quarry Site 2

Highway 11

Law Township
District of Nipissing

& Notes for
Quarry Site 1
Best Township

2

By Doug Robinson Consulting

Oct 17, 1999

APPENDIX

Notes & calculation of cubic meters traprock removed from Temagami Traprock claims.
Two pages.
Roosevelt Road Log
ICP Whole Rock Assay (Lithium Metaborate Fusion)

MAPS (Drafts used for visual perspective of work)
Map 1: Highway 11 Roosevelt Road-Best Tp Compilation (Site #1).
Scale 1:10000.
Map 2: Highway 11, Law-Askin Tp. Compilation
Scale 1:10000.
Map 3: Prospecting and Sampling Plan (Site 1) Best Tp. Scale 1:5000.
Map 4: Central Outcrop Plan. Scale 1:500
Map 5: South Outcrop Plan. Scale 1:500

LONGITUDINAL SECTIONS SCALE 1:1000 (Drafts used to calculate volumes)
Section 1: Central Outcrop.
Section 2: Central Outcrop. Numbers Reversed.
Section 3: South Outcrop.

CROSS SECTIONS SCALE 1:100 (Drafts used to calculate volumes)
South Outcrop, 16+410
Central Outcrop, 16+420
Central Outcrop, 16+430
Central Outcrop, 16+440
Central Outcrop, 16+450
Central Outcrop, 16+460
Central Outcrop, 16+470
Central Outcrop, 16+480

Central Outcrop, 16+601-16+600
Central Outcrop, 16+620
Central Outcrop, 16+640
Central Outcrop, 16+665-16+660
Central Outcrop, 16+680
Central Outcrop, 16+700
Central Outcrop, 16+720
Central Outcrop, 16+740
Central Outcrop, 16+760

Photographs 1-53

I. INTODUCTION

A. Traprock Definition

Traprock is defined as "any dark-colored fine-grained nongranitic hypabyssal (intrusive) or extrusive rock, such as basalt, peridotite, diabase or fine-grained gabbro; also applied to any such rock used as crushed stone" (Glossary of Geology, Bates and Jackson).

Traprock has numerous commercial applications and is not found in most of southern Ontario. When crushed and sized, this stone is a high quality aggregate used by the construction industry.

B. The Property

Temagami Traprock Limited (Temagami Traprock) owns two quarry sites on staked mining claims in the Temagami area along the Highway 11 corridor.

Both quarry sites are located in diabase, which is recognized as traprock in the construction industry.

1. Quarry Site #1 (Map 1, Best Tp.)

Quarry Site #1; located in mining claims 1118527 and 1212011 Best Township, has received permitting from The Ministry of Natural Resources for extraction of traprock. These two claims are located within a larger block of mining claims dominated by diabase suitable for traprock applications.

This site is located on the Roosevelt Road approximately 16 km north of Temagami.

2. Quarry Site 2 (Map 2, Law Tp.)

Quarry Site #2 is located on mining claims 1236112 and 1236113, in Law Township approximately 13 kilometers south of Temagami. Temagami Traprock has suspended application for traprock extraction for this property pending the clarification of land tenure in this process.

The site is located within 500 meters of Highway 11. Additional diabase traprock occurs on these and other contiguous mining claims held by Temagami Traprock.

3. Sand Pit (Map 2, Photograph: 36)

A sand pit located in Best Township at UTM coordinates 0599243 mE, 5224371 mN may have been used as a source of sand in highway construction. This pit located approximately 18.5 kilometers north of Temagami is assessed from the Roosevelt Road.

C. The Inspection

During the days of August 17, 25, 26, 27 and September 27, 1999, the author inspected Temagami Traprock's quarry sites 1 and 2. Traprock outcrops blasted during highway construction along Highway 11 were observed and measured.

The inspection established:

- the existence and location of blasted traprock exposures on the property in Law Township.
- volume of traprock (diabase) removed from the property.
- established end uses of the traprock products removed from the property.

II. PROCEDURES

A. Dates

On August 17, 25, 26, 27 and September 27, 1999 the author observed construction activities on and near the property and measured blasted outcrop exposures along Highway 11. Effort was concentrated on the Temagami Traprock's Property contiguous with the proposed Quarry Site #2.

On August 17 the author reviewed the available data, including quarry plans for both quarry Site #1 and Quarry Site #2. The author, accompanied by Mr. Gino Chitaroni and Mr. James Taylor, visited

- quarry sites #1 and #2,
- diabase exposures along the Roosevelt road in proximity of Quarry Site #1,
- various locations along the active Highway 11 construction on and near the mining claims held by Temagami Traprock.
- a recently rehabilitated sand pit east of Quarry Site #1

During August 25 and 26, 1999 the author staked mining claim 1225997.

B. UTM Coordinates

UTM coordinates reported are located in zone 17 and are uncorrected. Individual uncorrected measurements are can be +/- 100 meters.

C. Highway Bearings and Linear Measurement

Directions reported are independent of true azimuths. North-south directions are reported as parallel to the highway and east-west directions are reported as perpendicular to the highway.

Linear measurements along the highway are reported in the format 16+000 measured in meters. This is the format used by existing surveys and is marked at 20 meter intervals

along Highway 11. The author has found these marking to be reliable and used these measurements as a basis for his measurements and cross sections locations.

This system of measurement was used to allow the authors measurements to correspond with existing surveys.

D. Reason For Measurements and Calculations

The author's measurements and subsequent calculations are required in the absence of access to highway-outcrop surveys (before and after construction), tendering documents, cost estimates, production logs and other relevant documents. The author's measurements and calculations are required to verify these documents should they become available.

E. Compilation Maps

Maps 1 and 2 are compilations traced from photocopied Ministry of Northern Development and Mines claim maps and quarry maps prepared for the Ministry of Natural Resources permitting.

Scales are reported as scale bars to facilitate copying to other scales.

F. Other Maps and Sections

The other maps and sections are drafts used by the author and are included in this report for completeness.

A longitudinal section of the central outcrop with reversed numbering is provided to facilitate direct observation of the outcrop as it is viewed from the highway.

G. Photographs

Four 24 exposure roles of film were used in the inspection. All photographs in the original copy of this report are original prints produced from the resulting negatives. The original photographs were mounted on stiff cardboard pages and then photocopied directly for inclusion in additional copies of this report.

Photographs: 1-10 were consistently taken from the white line along the edge of the highway closest to the outcrop.

Photographs 11-14 were taken to document a panoramic continuum of the central outcrop east of the highway.

Photographs of diabase samples 8309-8314 were taken as three sets of pictures at consistent distances from the samples. Photographs 48-53 are placed in unspecified order to emphasize the similarity of the rocks between quarry sites 1 and 2.

Photographs 31 and 32 are included to show the natural contrast between diabase and felsic rocks similar to the rocks at the highway construction site. This outcrop is located along Highway 11 south of Quarry Site 1.

H. Vertical Measurements

Vertical Measurements of outcrops were made using a Suunto clinometer which measures vertical angles in % slope. The procedure used is similar to the process used in the forestry industry to measure trees (using Suunto clinometers calibrated to read linear height from a fixed base distance from the tree).

A horizontal 20 meter base distance was measured from the face of the blasted outcrop to the white line marking the outside edge of the highway. At this 20 metres position; the vertical % slope was measured to the top of the outcrop (at the cross section line perpendicular to the highway) and to the visible toe where of the rock face intersected the highway fill (the actual bottom of the blasted outcrop was buried under fill).

The clinometer was held 1.68 meters above the pavement surface. Each 1% slope equals 0.2 meters elevation (5% slope = 1 meters elevation).

The author made no adjustments due to gentle slopes along the highway because, any resulting minor errors in elevation are cancelled were the top of the outcrop is above the clinometer and the toe is below the clinometer.

The reported outcrop height is accurate where the face is vertical. Where overbreak causes the blasted outcrop face to lean away from the highway, the calculated height and the resulting volume calculations are lower than actual values. Also overbreak behind the face measurement were not included in calculations resulting in this rock not being included in the volume calculations.

10 and 20 meter base distances were tried. The 20 meter base distance was selected as it was less affected by angular errors of parallax and consistently reached the reference line along the edge of the pavement. A longer base distance was impractical.

I. Original Outcrop Trace

The face of the original outcrop prior to blasting was not measured. An assumed distance of 4.0 meters measured from the white line marking the outside edge of the traveled portion of the pavement to the original outcrop was used in all calculations within this report. The author saw evidence of this distance being as little as 1.8 meters. If this distance is less than 4 meters the calculated volumes will be low.

J. Calculations

Cubic meter calculation are based on the product of length, width and height (LxWxH):

- L = length of influence used in this calculation = distance between midpoint between measurement planes (measurement planes are the cross section planes included in this report).

- W = width assuming the original outcrop was 4 meters from the white line marking the edge of the pavement.
- H = height as measured from the cross sections = distance from subgrade to the top of the outcrop at the mid point of the calculated width.

K. Traprock Samples Collected

Six diabase samples were collected as follows:

- Sample 8309 from 15+620 east wall of central outcrop
- Sample 8310 from 15+730 east wall of central outcrop
- Sample 8311 from 16+458 west wall of south outcrop
- Sample 8312 from Roosevelt road 1.8 km east of Highway 11 0597384 mE 5223498 mN (uncorrected)
- Sample 8313 from Roosevelt Road 2.4 km east of Highway 11
- Sample 8314 from Roosevelt Road 2.6 km east of Highway 11 0598039 mE, 5223898 mN (uncorrected)

The analyses are included in the appendix.

L. Traprock Analysis

The diabase traprock whole rock analyses are included in the appendix. Samples 8309-8311 from the central and south outcrops are similar in composition to samples 8312-8314 from Quarry Site #1 diabase traprock in Best Township.

III. OBSERVATIONS

A. ***Traprock Removed From Claims*** (Map 2)

Three diabase traprock outcrops were blasted along Highway 11 in the Temagami Traprock's property. These are called the North Outcrop, Central Outcrop and South Outcrop. The Central Outcrop and South Outcrop are documented in detail.

A total of 21100 cubic meters of diabase traprock were removed from the central and south outcrops.

1. **North Outcrop** (Photographs: 46 & 47)

Diabase traprock extends along the highway as follows:

- West side of the highway from 17+153 to 17+290.
- East side of the highway from 17+153 to 17+320.

This outcrop was not documented in detail.
The author has yet to verify if this outcrop falls within the property.

2. **Central Outcrop** (Photographs: 1-14, 39, 44 & 45)

Diabase traprock extends along the highway as follows:

- West side of the highway from 16+600 to 16+724.
- East side of the highway from 16+573 to 16+767.

2854 cubic meters and 13847 cubic meters of diabase traprock were removed from the west and east sides highway respectively.

3. **South Outcrop** (Photographs 15-18, 43-44)

Diabase traprock extends along the highway as follows:

- West side of the highway from 16+400 to 16+486.

4399 cubic meters of diabase traprock were removed from the west side of the highway.

B. Subgrade

The bedrock surface marking the bottom of blasting was observed in only one location (see photograph 38). At this location the bedrock surface at the bottom of the blast was 1.85 meters below the pavement along the edge of the highway. This (1.85 meter) distance between the pavement surface is referred to as subgrade in this report. A subgrade of 1.80 meters is assumed to be characteristic of the blasted outcrop area along the highway.

C. Controlled Blasting and Overbreak

Drilling and blasting in the area was of high quality and the break was generally precise. This was particularly evident in the south outcrop where the rock face was near vertical and marked by the trace of the blast holes (Photographs 15, 16, 17, 18). One notable exception to the precise breaking was the central outcrop that was overbroken to strong near vertical slips that have an average slope of approximately 82 degrees towards the road (Photographs 5, 6, 7, 8, 9, 13,14 and 39).

Strong slips are a common characteristic of diabase that makes ground control difficult.

Overbreak resulted in the removal of extra trap rock from this outcrop.

D. Other Overbreak

The north half of the east face of the central outcrop is overbroken, as evidenced by the absence of traces from the blast holes (Photographs 1, 2,3, 4, and 5). This overbreak results from smooth slips dipping towards the highway. This is typical diabase fracturing. The south outcrop is vertical because the strong slips dip into the outcrop away from the highway.

The west face of the central outcrop is overbroken due to closely spaced slips in incompetent ground. This resulted in this out crop shattering. See Photographs: 14 and 45.

E. Rock-Traprock Products

Sizing is a beneficiation process used to render blasted rock to product specifications. This sizing process may include crushing and/or screening.

Road fill in areas of blasted outcrop is sized rock product placed in layers directly above the bedrock surface. A fine sized product may have been placed directly over the bedrock surface (Photograph 37). Photographs 37 and 38 were taken in a blasted area north of the Temagami Traprock claims. This fine sized product appears to be overlain by a coarse (minus 10 cm) sized product (Photograph 37, 41). The coarse sized product appears to be overlain by a minus 2 cm sized upper layer (Photographs 42). It is unknown if this surface will be paved using sized material derived from rock blasted from the roadcuts.

Each of the materials used for road and shoulder base fill construction is sized product produced from the rock blasted from the road cuts during construction. The blasted rock, including traprock from Temagami Traprock's mining claims, has been beneficiated to make the aggregate and other products used in the highway construction.

Dark colored traprock product is evident in the central area of Photograph 39. This is in contrast with light colored felsic fill shown in the foreground of this photograph. Most of the road cuts in the construction area are felsic rocks. Sized traprock product used as shoulder or possibly pavement base can be seen in Photograph 42.

F. Marketable Products

Marketable products are being produced from the traprock extracted from the South Outcrop and Central Outcrop. It is unknown if marketable products will remain unused after the completion of highway construction.

If traprock and traprock products produced from the Temagami Traprock property are mixed with the felsic rocks from outside the claims it will be reduced in value and spoiled for many commercial uses.

G. Claim Post Found

A line post of Claim 1236113 was located at 0594210 mE, 5199558 mN approximately 34 meters perpendicular east from Highway 11 at 16+980.

IV. CONCLUSIONS

An estimated total of 21,100 cubic meters of marketable diabase traprock has been removed from the South Outcrop and Central Outcrop of the mining claims held by Temagami Traprock Limited.
This rock is the same character as the diabase traprock of the quarry Site 1 in Best Township.

The diabase traprock has been removed and beneficiated to form sized product for highway construction. All or part of this product has been used for construction purposes.
It is unknown how much of the product removed from the South Outcrop and Central Outcrop will remain unused after construction is completed.
It is unknown how much of the product removed from the South Outcrop and Central Outcrop has been spoiled for commercial purposes.

V. REFERENCES

Ontario Geological Survey Map 2361 Sudbury-Cobalt Compilation Series; Scale 1:253,440 or 1 inch to 4 miles.

Ministry of Natural Resources Ontario Tomiko: Scale 1:100,000

Bate, R.l. and Jackson, J.A.
1987: Glossary of Geology, Third Edition; p 698.

McKinstry, H.E., Tyler, A.T, Pennebaker, E.N. and Richard K.E.
1948: Mining Geology, p.65.

VI. CERTIFICATE OF QUALIFICATIONS

I, Douglas Robinson, of 24 Victoria Avenue, Swastika, Ontario hereby certify that:

1. I am a registered professional Engineer of the province of Ontario, No. 39322011.

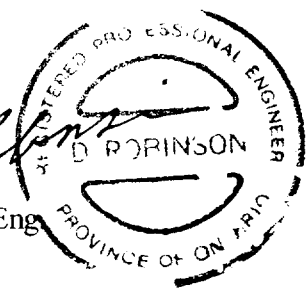
2. I am a graduate of Queen's University in Kingston Ontario with an Honours Bachelor of Science, Geological Engineering 1975, and
Northern College, School of Mines in Haileybury, Ontario, 1970.

3. I have been practising my profession since graduation.

4. The information contained in this report is the result of work done by myself and the references cited.

5. I own no direct or indirect interests in and do not expect to receive any interests in the Temagami Traprock Limited, Blackstone Development Inc or their properties.

Respectfully submitted



Douglas Robinson, P. Eng.
October 17, 1999

Notes & calculation of cubic metres traprock removed from Temagami Traprock's claims in Law Tp. along Highway 11 south of Temagami.

Highway surface 1.68 below 0.0 elavation

Central Outcrop	East Side of Highway 11 % Measured Base 20 m. Down	UP	Meters M Down	M. Up	Total Height Meters	Distance From Edge of Road "A"	Effective Width "A"-4.0	Effective Height Meters	Cubic Meters
16573	-10%	-10%	-2.0	-2.0	0.0				0.0
16580	-10%	15%	-2.0	3.0	5.0	11.50	7.5	5.6	567.0
16600	-10%	33%	-2.0	6.6	8.6	11.90	7.9	9.1	1437.8
16620	-10%	40%	-2.0	8.0	10.0	10.70	6.7	10.8	1447.2
16640	-12%	40%	-2.4	8.0	10.4	12.25	8.3	10.5	1732.5
16660	-10%	53%	-2.0	10.6	12.6	13.10	9.1	12.7	2484.8
16683	-8%	41%	-1.6	8.2	9.8	14.00	10.0	10.2	2040.0
16700	-10%	40%	-2.0	8.0	10.0	12.30	8.3	10.2	1566.2
16720	-10%	30%	-2.0	6.0	8.0	11.60	7.6	8.2	1246.4
16740	-10%	18%	-2.0	3.6	5.6	11.80	7.8	6	936.0
16760	-9%	3%	-1.8	0.6	2.4	11.60	7.6	3.8	389.9
16767	-7%	-7%	-1.4	-1.4	0.0				0.0
					Total				13847.7

Central Outcrop	West Side of Highway 11 Base 20 m. Down	UP	M Down	M. Up	Total Meters	Distance From Edge of Road "A"	Effective Width "A"-4.0	Effective Height Meters	Adjusted Cubic Meters
16600	-8%	0%	-1.6	0.0	1.6	8.50	4.5		0.0
16601	-8%	3%	-1.6	0.6	2.2	8.50	4.5	4.5	202.5
16620	-10%	12%	-2.0	2.4	4.4	11.70	7.7	6.5	976.0
16640	-10%	10%	-2.0	2.0	4.0	8.70	4.7	5.9	623.9
16665	-10%	12%	-2.0	2.4	4.4	8.65	4.7	6.4	595.2
16680	-10%	1%	-2.0	0.2	2.2	8.75	4.8	4.2	349.1
16700	-8%	2%	-1.6	0.4	2.0	6.55	2.6	4.2	107.1
16724	End of Outcrop								0.0
					Total				2853.8

South Outcrop	West Side of Highway 11 Base 20 m. Down	UP	M Down	M. Up	Total Meters	Distance From Edge of Road "A"	Effective Width "A"-4.0	Effective Height Meters	Adjusted Cubic Meters
16400	-9%	-9%	-1.8	-1.8	0.0			0	0.0
16410	-9%	18%	-1.8	3.6	5.4	9.70	5.7	6.5	370.5
16420	-10%	20%	-2.0	4.0	6.0	9.80	5.8	6.9	400.2
16430	-10%	35%	-2.0	7.0	9.0	10.10	6.1	9	549.0
16440	-10%	50%	-2.0	10.0	12.0	11.00	7.0	11.8	826.0
16450	-10%	60%	-2.0	12.0	14.0	10.00	6.0	14	840.0
16460	-9%	44%	-1.8	8.8	10.6	9.95	6.0	11.1	660.5
16470	-9%	41%	-1.8	8.2	10.0	9.70	5.7	10.6	604.2
16480	-9%	-1%	-1.8	-0.2	1.6	9.45	5.5	3.4	148.2
16486	-9%	-9%	-1.8	-1.8	0.0			0	0.0
					Total				4398.6

	Adjusted Cubic M	(c.mx35.315) Cubic Ft	SG = 2.96 (Cu Ft/10.8 Tonnes	Tons
North Outcrop East Side	13847.7	489033	40989.33	45238.96
North Outcrop West Side	2853.8	100783	8447.322	9323.111
South outcrop West Side	4398.6	155336	13019.83	14369.68
Total	21100.2	745152	62456.47	68931.74
	Ckeck	745152 Ckeck	62456.47	68931.74

Calculations are an estimate of cubic meter, tons & tonnes removed from Temagami Traprock Ltd.'s claims.

Estimate +or - 10%

Check 68845.77
Tonnesx1.1023

Revised
October 14, 1999

Douglas Robinson

REGISTERED PROFESSIONAL ENGINEER
D. ROBINSON
PROVINCE OF ONTARIO

ROOSEVELT ROAD LOG

0.00 km	Highway 11.
0.15 km	Creek.
1.1-1.4 km	Lake on south side of road.
1.6 km	Culvert.
1.8 km	Sample site 8312 in diabase outcrop on south side of road. UTM 0597384 mE, 5223498 mN
2.4 km	Temagami Traprock Quarry Site #1 (Photographs 33 and 34). Sample site 8313 in diabase. Sample collected from directly beneath hammer head in Photograph 34.
2.6 km	Sample site 8314 in diabase on north side of road. Sample collected from directly beneath sample bag in Photograph 35. UTM 0598039 mE, 5223898 mN Dark colored diabase
3.7 km	Creek
3.8 km	Road to south.
4.3 km	Turn south
4.7 km	Sand

BLACKSTONE DEVELOPMENT INC.

Attention: G. Chitaroni

Project: TEMAGAMI TRAP ROCK

Sample: ROCK

TSL Assayers Swastika

1 Cameron Ave., Swastika, Ontario, P0K 1T0

Tel: (705) 642-3244 Fax: (705) 642-3300

Report No : 9W2436 RL

Date : Sep-13-99

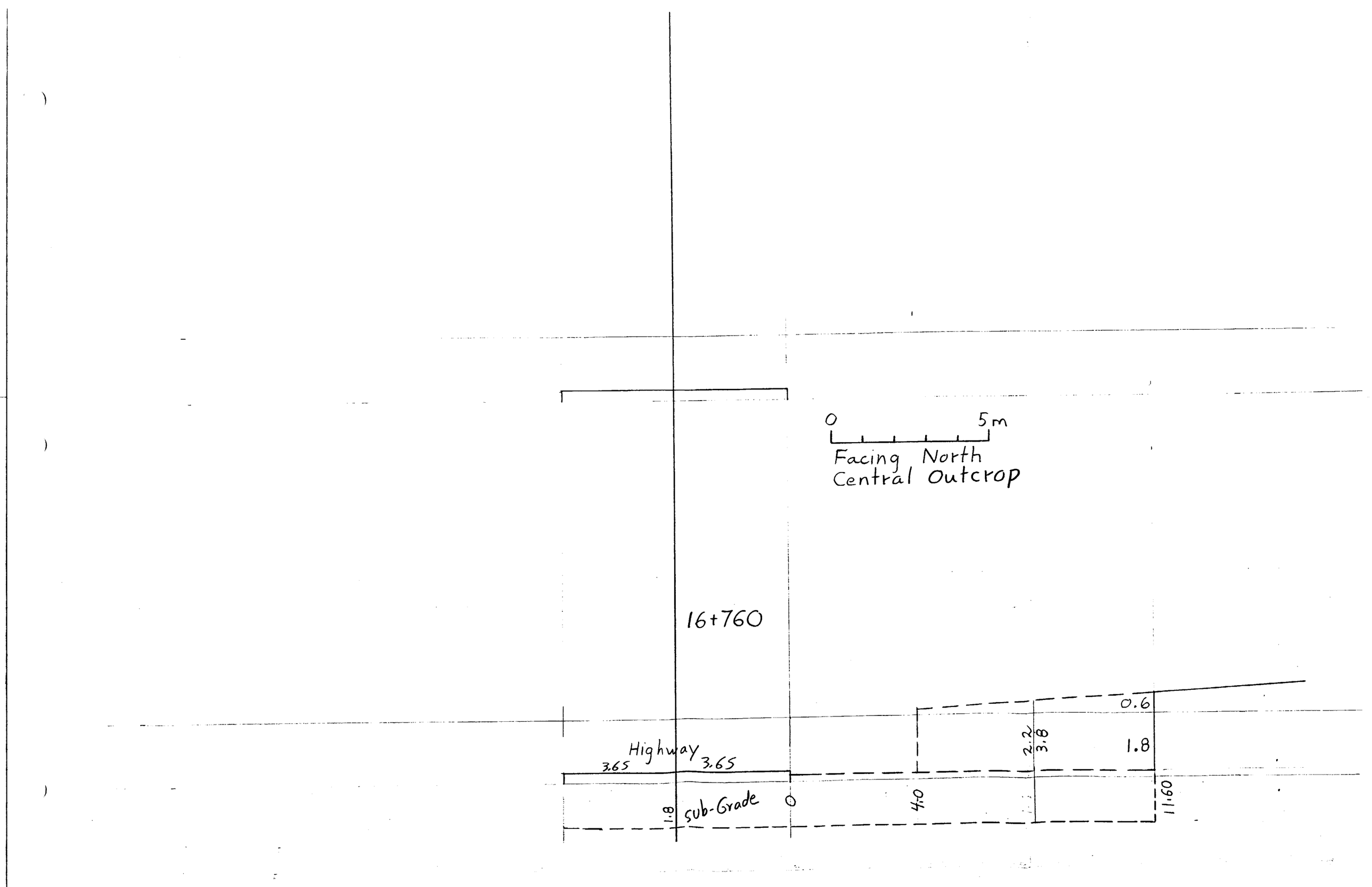
ICP Whole Rock Assay

Lithium Metaborate Fusion

Sample Number	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %	MgO %	Na_2O %	TiO_2 %	K_2O %	MnO %	P_2O_5 %	LOI %	Ba ppm	Sr ppm	Zr ppm	Sc ppm	Y ppm	Be ppm	Co ppm	Cr ppm	Cu ppm	Ni ppm	V ppm	Zn ppm	Rb %	Nb ppm	Total %
8309	47.68	12.77	18.21	9.06	5.63	2.27	1.86	0.68	0.21	0.11	0.91	120	210	60	35	15	10	60	65	340	75	990	140	0.01	40	99.60
8310	48.03	12.70	19.10	9.12	4.95	2.41	2.09	0.73	0.22	0.11	0.20	130	220	70	35	15	15	60	110	310	70	895	170	0.01	40	99.88
8311	51.15	13.41	15.19	8.69	4.57	2.79	1.31	1.31	0.21	0.13	0.87	230	310	80	30	20	10	45	35	170	40	370	170	0.01	10	99.78
8312	50.99	14.51	10.23	8.94	7.67	3.51	0.65	0.77	0.19	0.06	2.16	250	260	50	25	10	5	30	165	100	120	205	115	0.01	<10	99.83
8313	50.80	14.45	12.15	10.27	6.17	2.36	0.87	0.77	0.18	0.08	1.35	100	190	50	30	10	5	40	40	135	65	275	125	0.01	<10	99.55
8314	45.87	14.08	18.85	8.35	4.54	2.54	2.22	1.33	0.21	0.11	1.45	190	250	70	25	15	15	60	80	395	70	965	150	0.01	30	99.79

Sample is fused with Lithium Metaborate and dissolved in dilute HNO3.

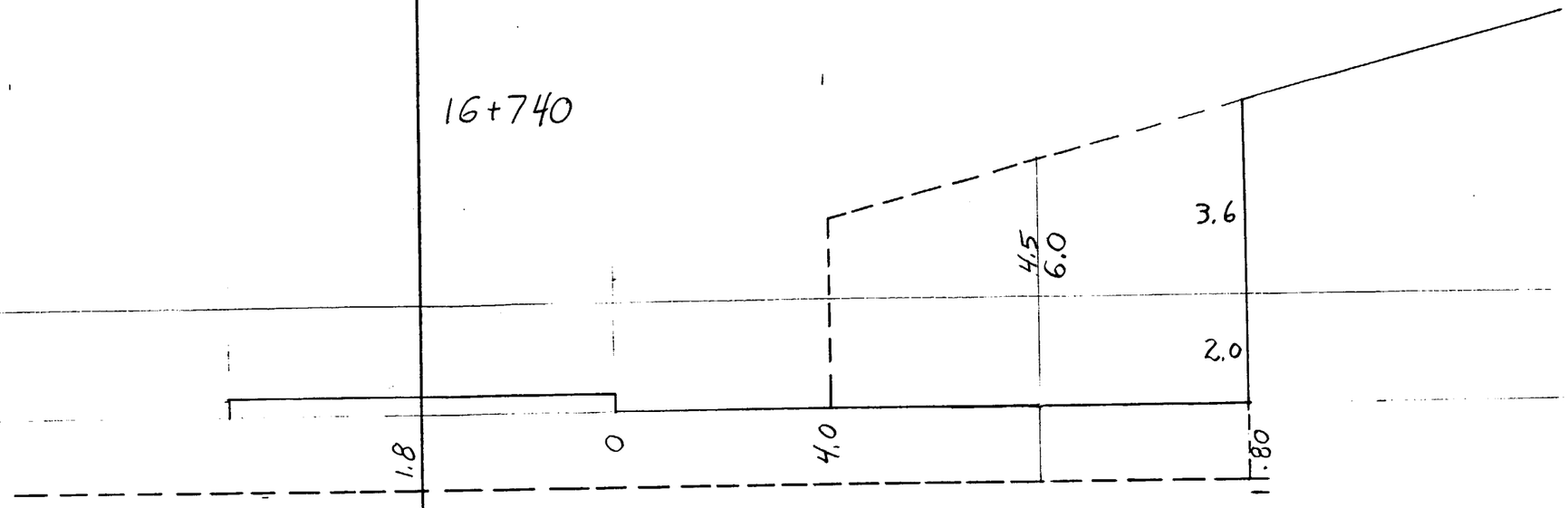
Signed: G. Chitaroni


0
5m
Facing North
Central Outcrop
16+760
Highway
3.65
3.65
1.8
Sub-Grade
0
4.0
2.2
3.8
0.6
1.8
11.60

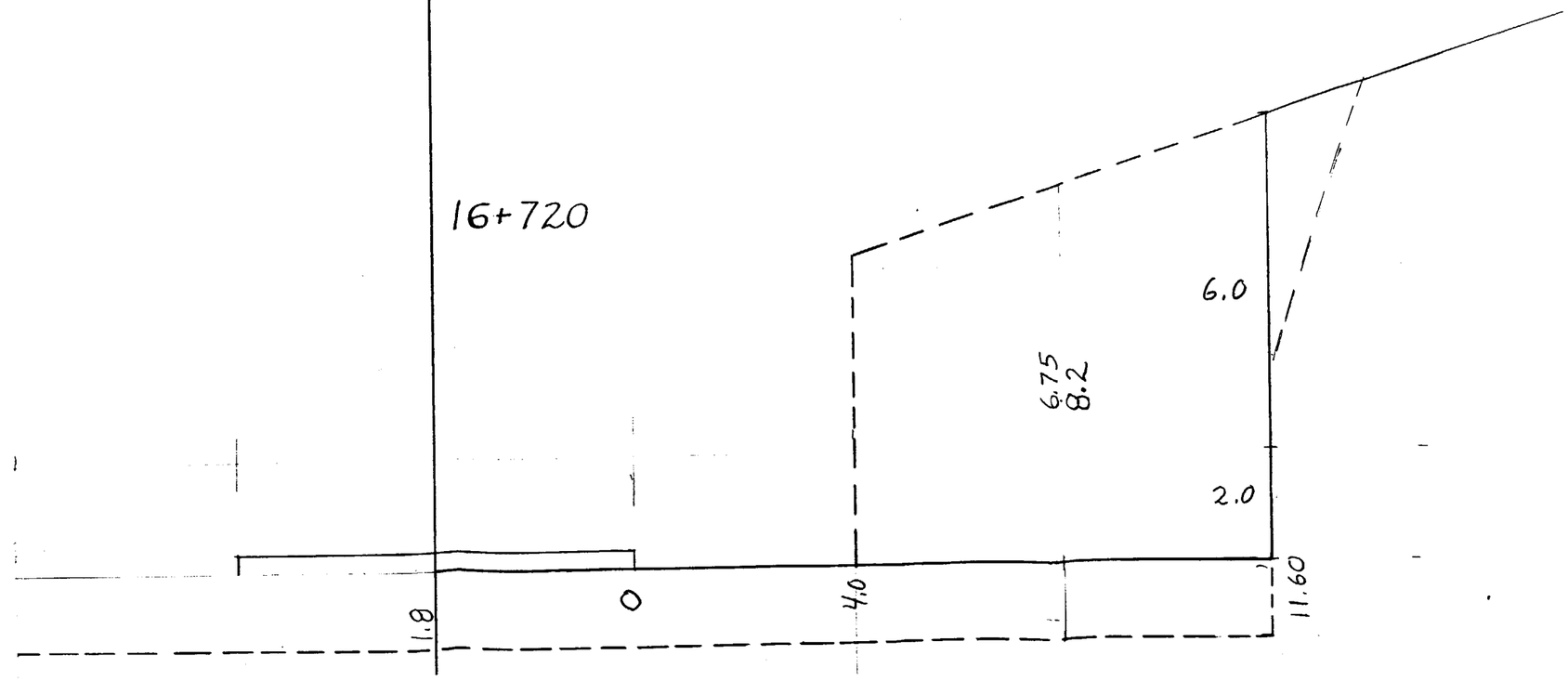
0 5m

Facing North
Central Outcrop

16+740



16+720



0 5m

Facing North
Central Outcrop

16+700

0.4
1.6
2.4
4.2
6.55
4.0
0
0
1.8
0
4.0
8.0
8.8
10.2
2.0
12,30

16+680
16+683

0.2
2.0
2.8
4.2
8.75
4.0
0
0
1.8
0
4.0
8.2
8.4
10.2
1.6
14.0

0 5m

Facing North
Central Outcrop

16+665 16+660

=2.4

5.55
6.4

2.0

3.65 3.65

11.3
12.7

10.6

~82°

2.0

11.70

8.60

4.0

0

1.8

0

4.0

13.10

0 5.0m

Facing North
Central Outcrop

16+640

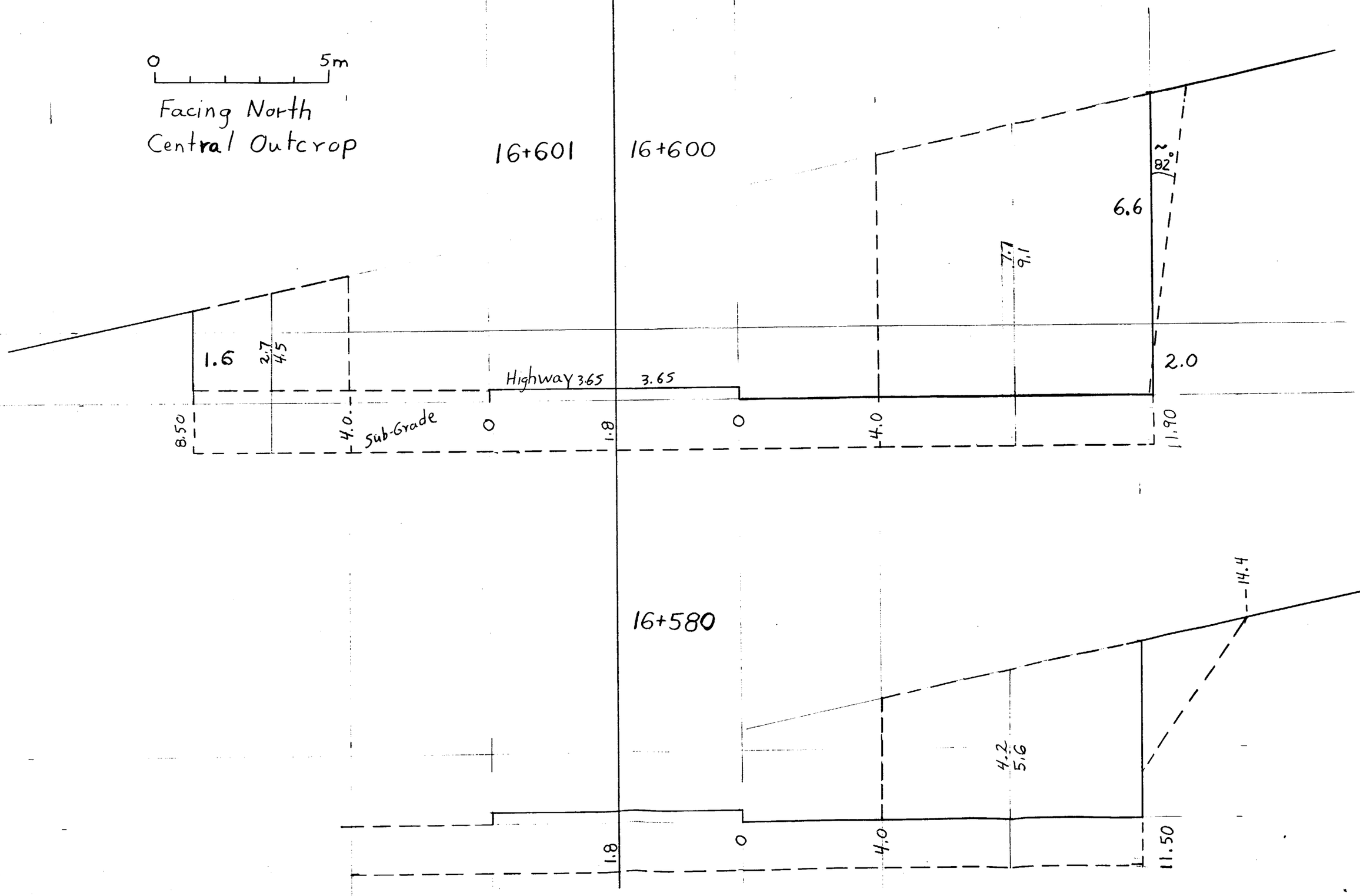
2.0
4.5
5.9
2.0
9.85
8.70
4.0
Sub. Grade
0
Highway 3.65
3.65
0
4.0
0.0
9.5
10.5
8.0
82°
12.25
2.4

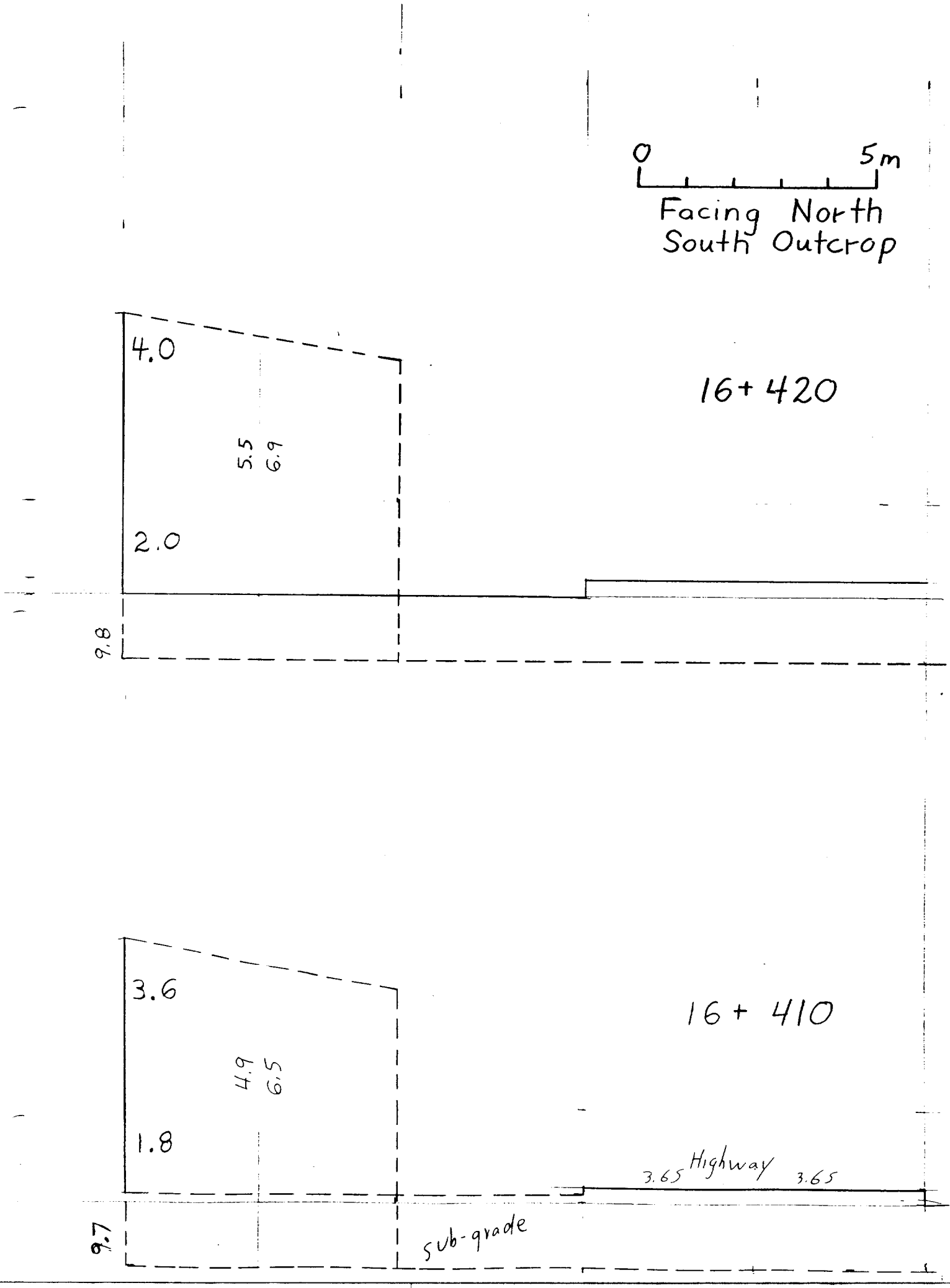
16+620

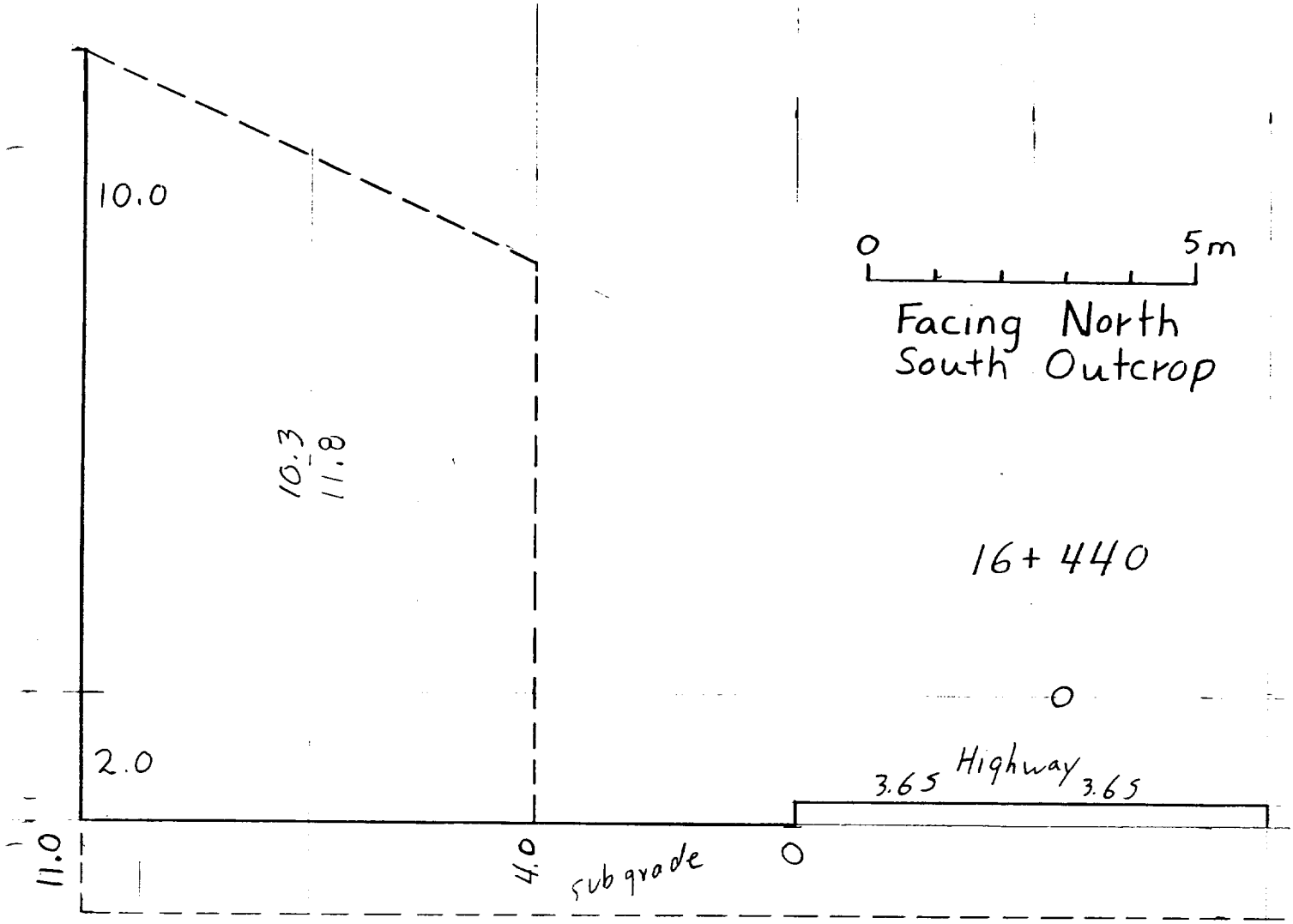
2.4
5.1
6.5
2.0
11.70
4.0
0
0
4.0
0.0
9.4
10.8
8.0
82°
2.0
10.70

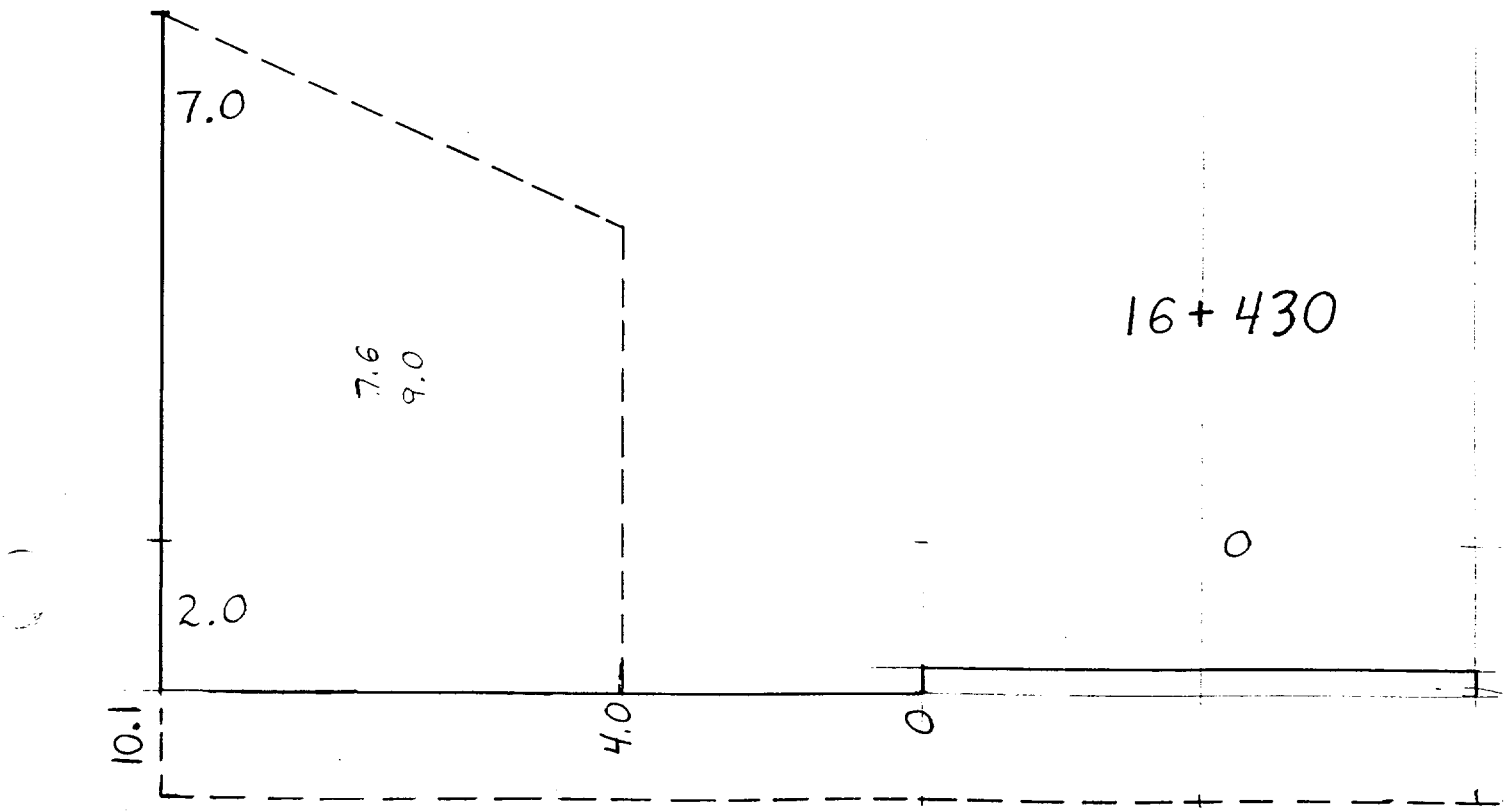
0 5m

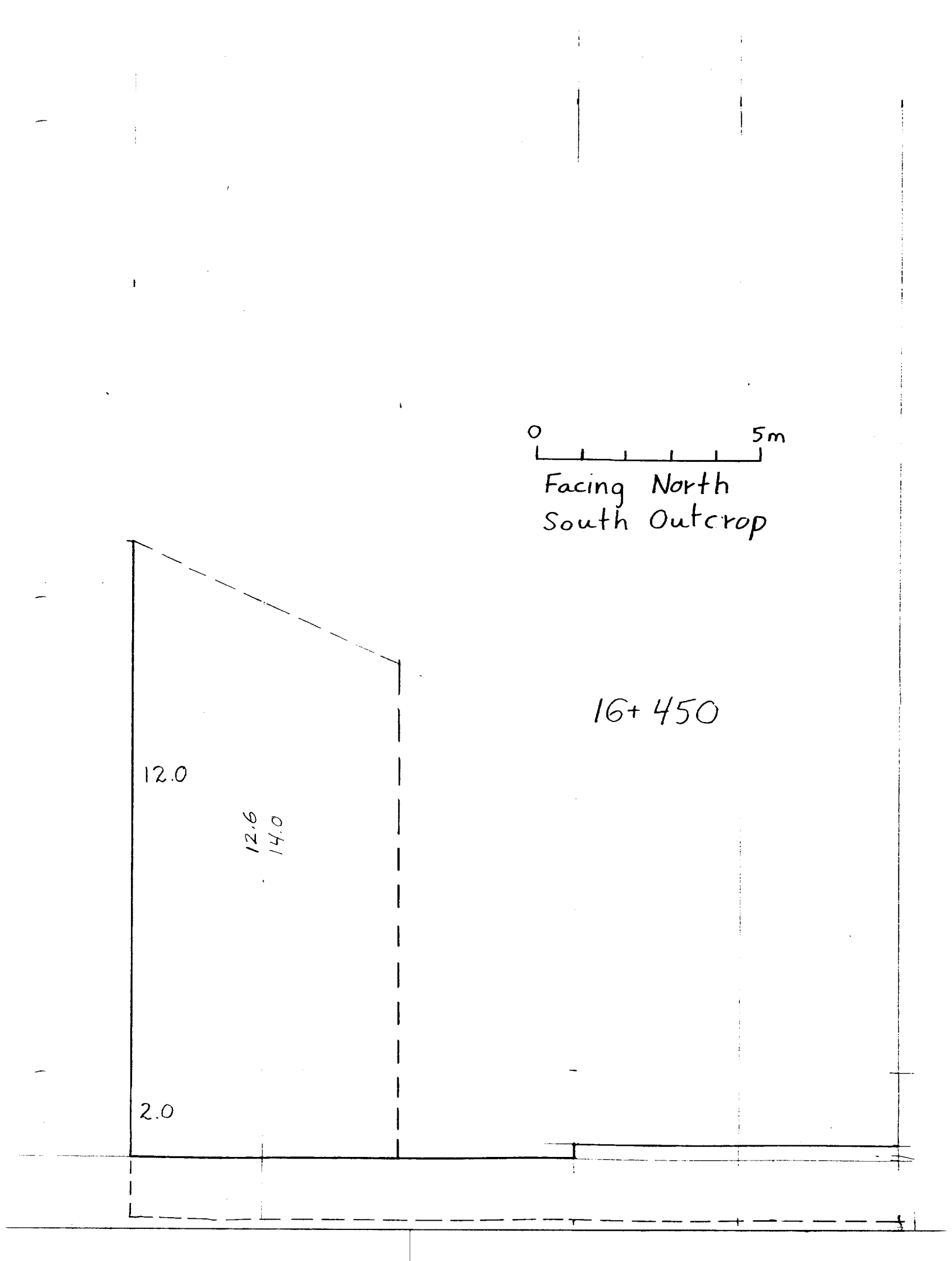
Facing North
Central Outcrop

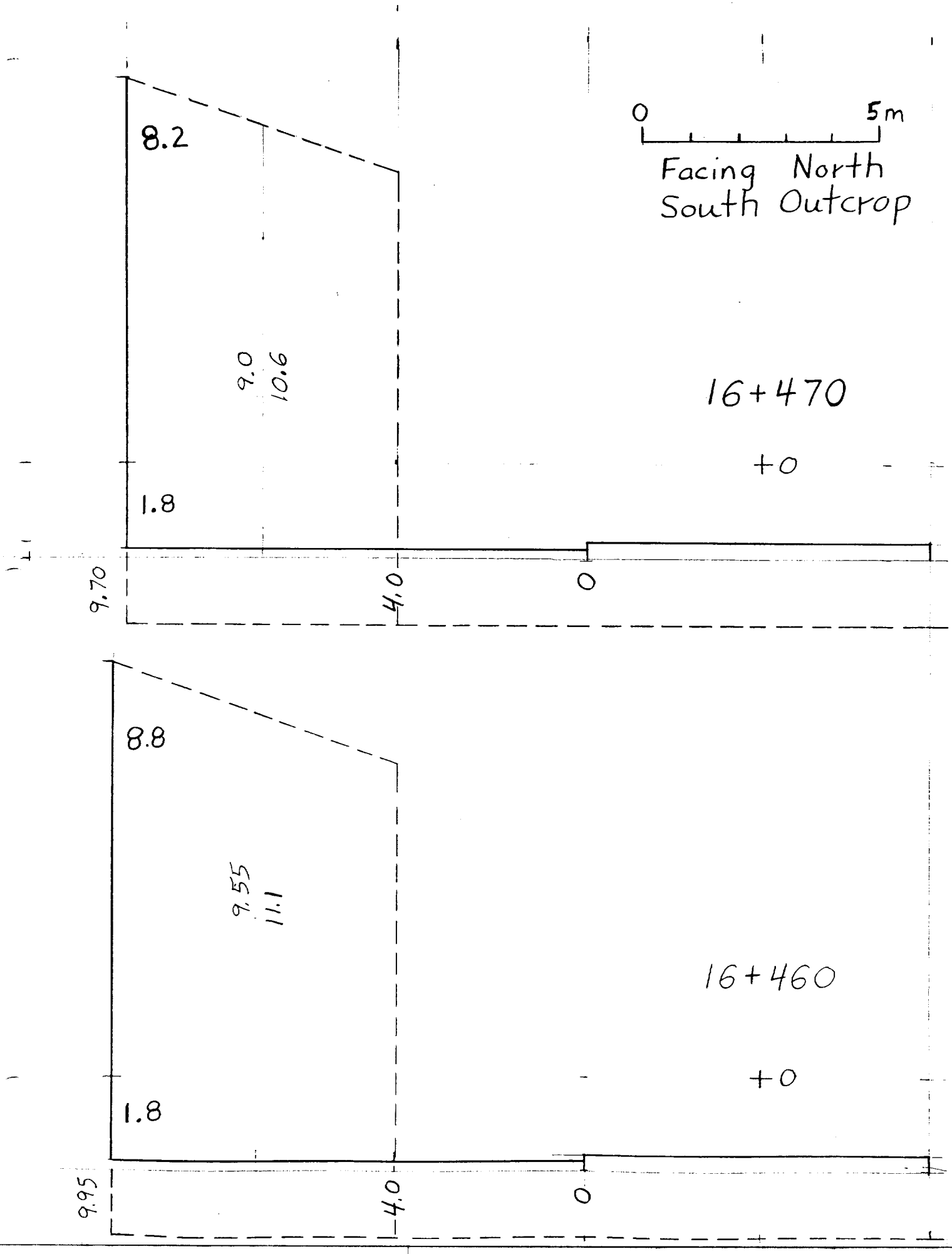


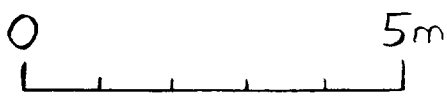

0
5m
Facing North
South Outcrop
4.0
16+420
5.5
6.9
2.0
9.8
3.6
16+410
4.9
6.5
1.8
3.65
Highway
3.65
9.7
sub-grade


10.0
10.3
11.8
2.0
11.0
4.0
sub grade
0
3.65
Highway
3.65
0
5m
Facing North
South Outcrop
16+440


7.0
7.6
9.0
2.0
10.1
4.0
0
0
16+430

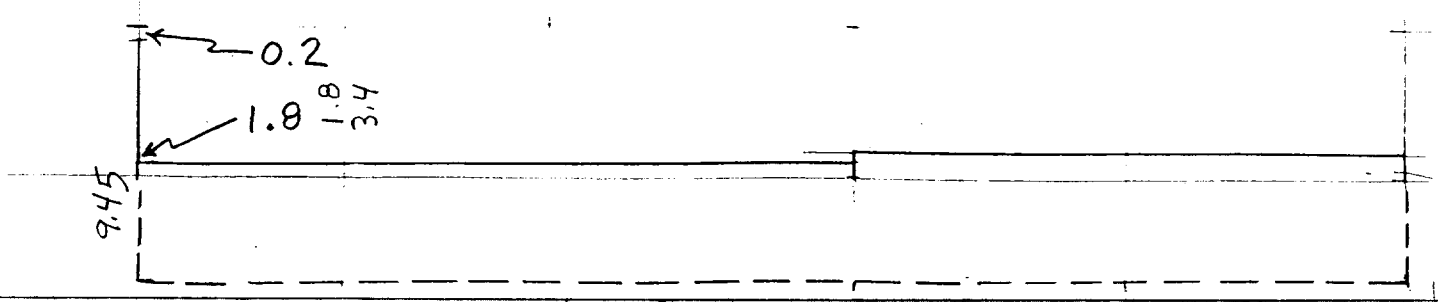

0
5m
Facing North
South Outcrop
16+450
12.0
12.6
14.0
2.0

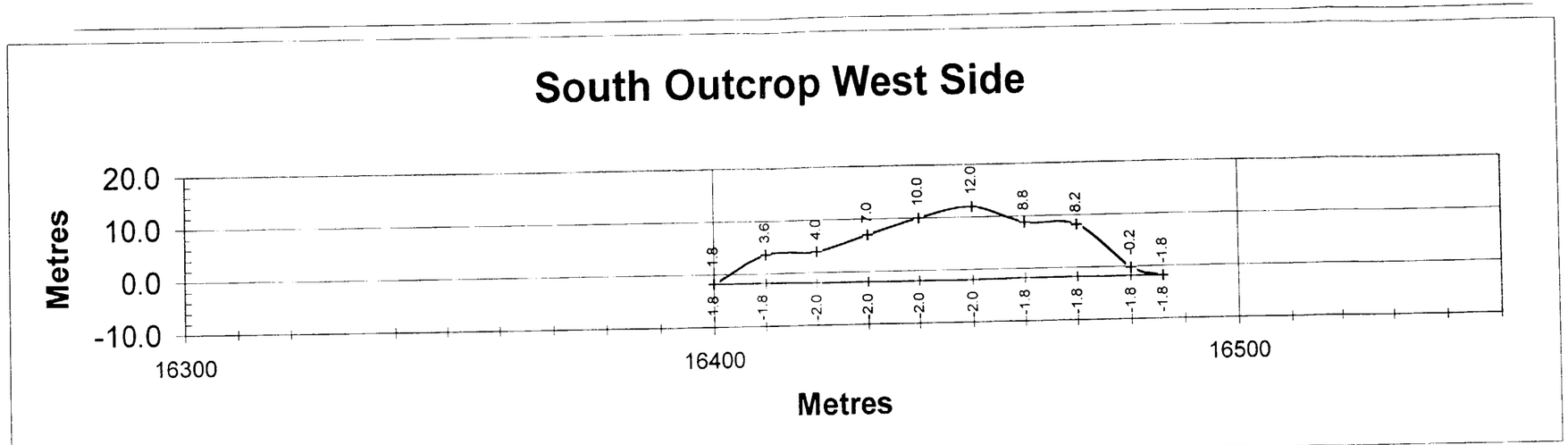

0
5m
Facing North
South Outcrop
8.2
9.0
10.6
16+470
+0
1.8
9.70
4.0
0
8.8
9.55
11.1
16+460
+0
1.8
9.95
4.0
0



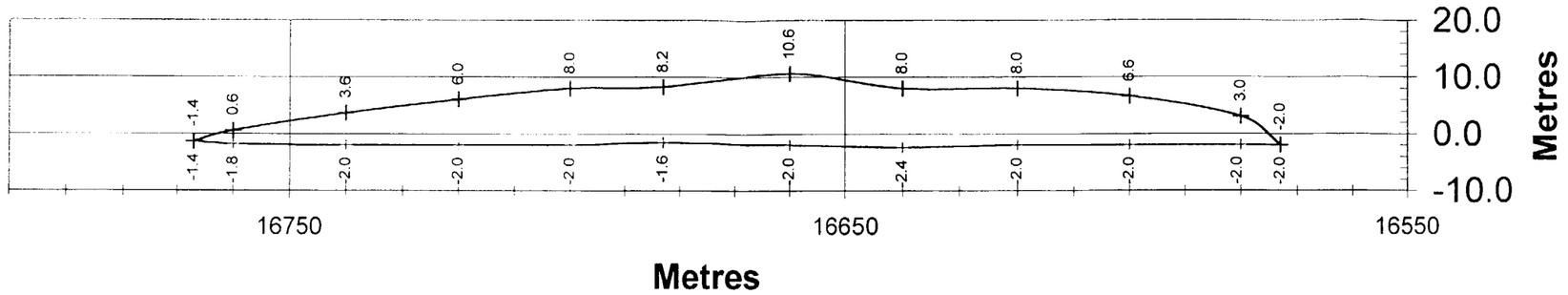
Facina North
South Outcrop

16+480

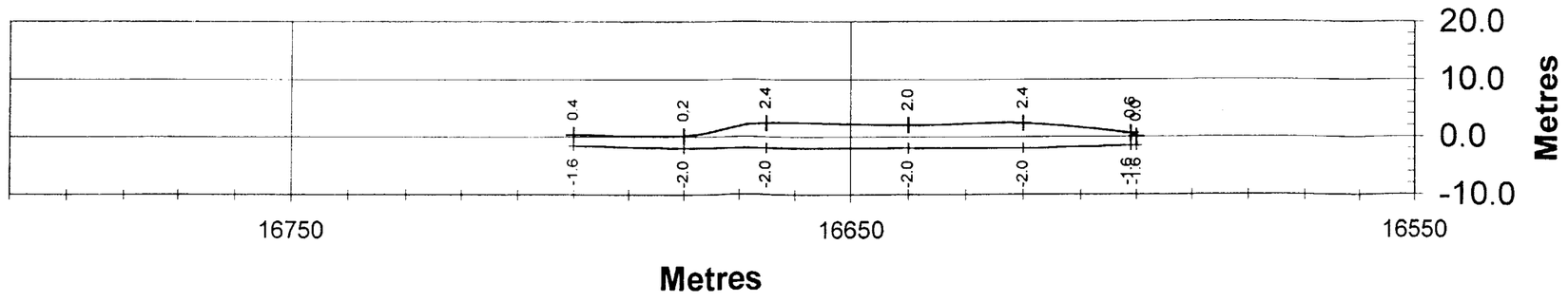



South Outcrop West Side
Metres
20.0
10.0
0.0
-10.0
16300
16400
16500
Metres
-1.8
3.6
4.0
7.0
10.0
12.0
8.8
8.2
-0.2
-1.8
-1.8
-1.8
-2.0
-2.0
-2.0
-2.0
-1.8
-1.8
-1.8
-1.8

Central Outcrop East Side

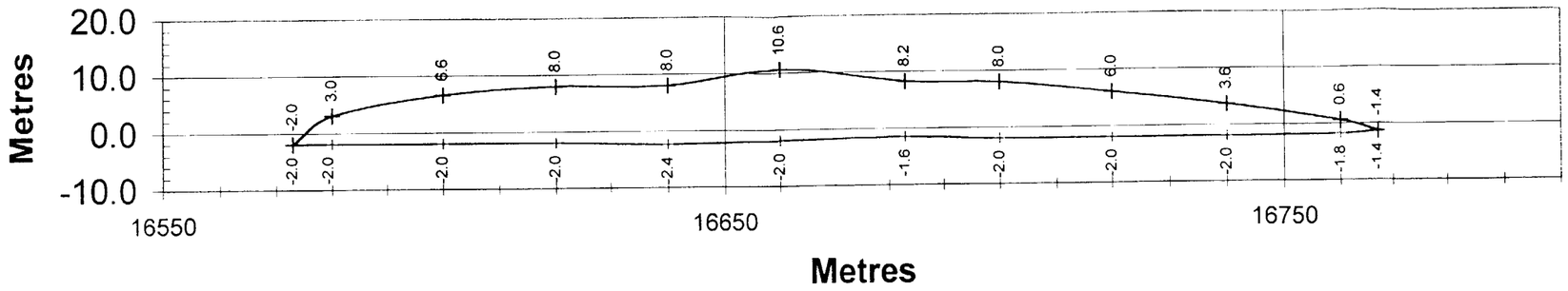


Central Outcrop West Side

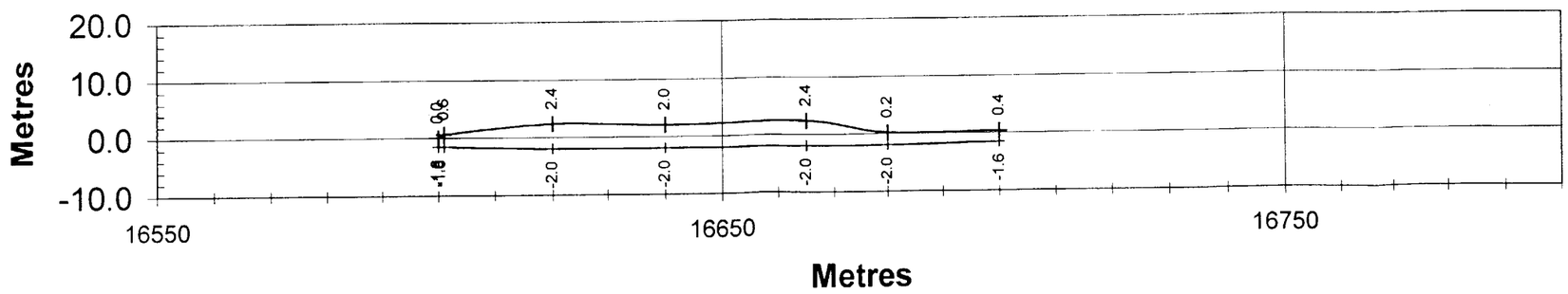


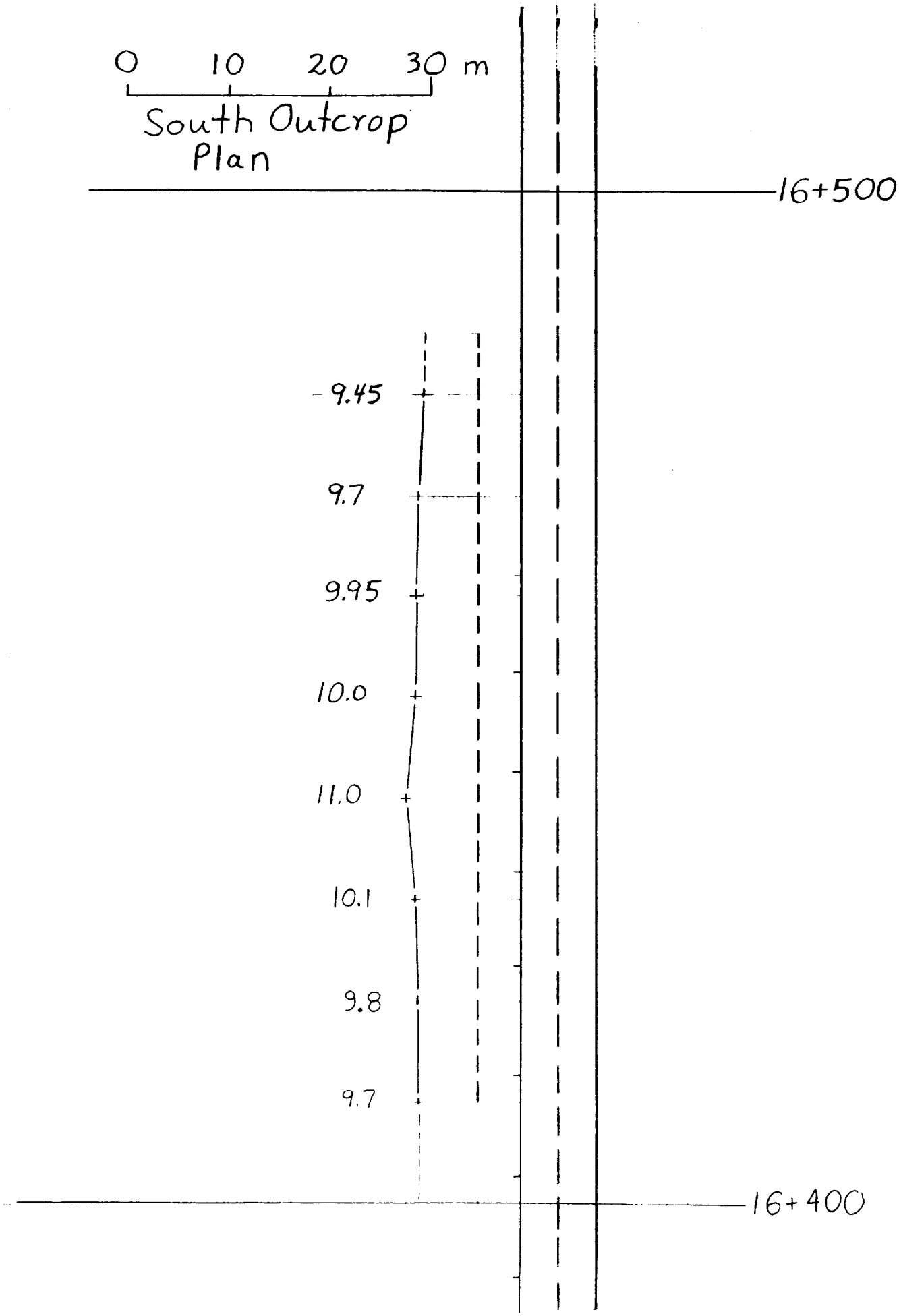
Numbers Reversed

Central Outcrop East Side



Central Outcrop West Side




0 10 20 30 m
South Outcrop
Plan
16+500
9.45
9.7
9.95
10.0
11.0
10.1
9.8
9.7
16+400

Map 5

Central Outcrop

Plan

0 10 20 30 40 50m.

16+700

6.55 12.3

8.75 14.0

(11.7) 8.65 13.1

(9.85) 8.7 12.25

11.7 10.7

8.5 11.9

16+600

11.6

11.8

11.6

11.5

Map 4

1212013

1118527

TOWNSHIP

K32060
K32061
K32069
K1428
K32078
K32079
K32080
K1409

8314

M.T.O. HL4 TEST

K1426
K1427

K32075
K32076
K32077

K32070

K1408

8313

1212011

ROAD

ROOSEVELT

K1429
K32072
K32073
K32074
K1407

K32068

8312

1212012

0 100 200 300 400 500 m.

x — SAMPLE LOCATION

K32071 — SAMPLE NUMBER

— QUARRY PERMIT BOUNDARY

TEMAGAMI TRAPROCK LIMITED
50 SILVER ST., COBALT, ONT. P.O. Box 699 POA 1C0 TEL.: (705)-679-5300

PROSPECTING and SAMPLING PLAN

BLACKSTONE DEVELOPMENT INC.

DATE: DEC. 1998	SCALE: 1:5000 metric
DRAWN: R.D. Lindsay	DWG. #

Map 3

0594000 mE

0595000 mE

5201000 mN

UTM - Coordinates Uncorrected

17+200 0594038 mE, 5199650 mN

16+700 0594482 mE, 5199422 mN

16+400 0594695 mE, 5199202 mN

15+840 0594952 mE, 5198714 mN

LAW Tp.

ASKIN Tp.

5200000 mN

Central Outcrop

16+700

North Outcrop

17+200

16+400

South Outcrop

Temagami Traprock Site #2

Hornet Lake

5199000 mN

15+840

Gravel Pit Pond

Temagami Transport

5198000 mN

Highway 11

Law – Askin Tp.

Compilation

Scale

0 500 m

Map 2

Highway 11

ONR Railway

Temagami Traprock Quarry Site

8314

8313

x 8312

Sand Pit

5224000 mN

Roosevelt Road

Lake

Lake

5223000 mN

0596000 mE

0597000 mE

0598000 mE

0599000 mE

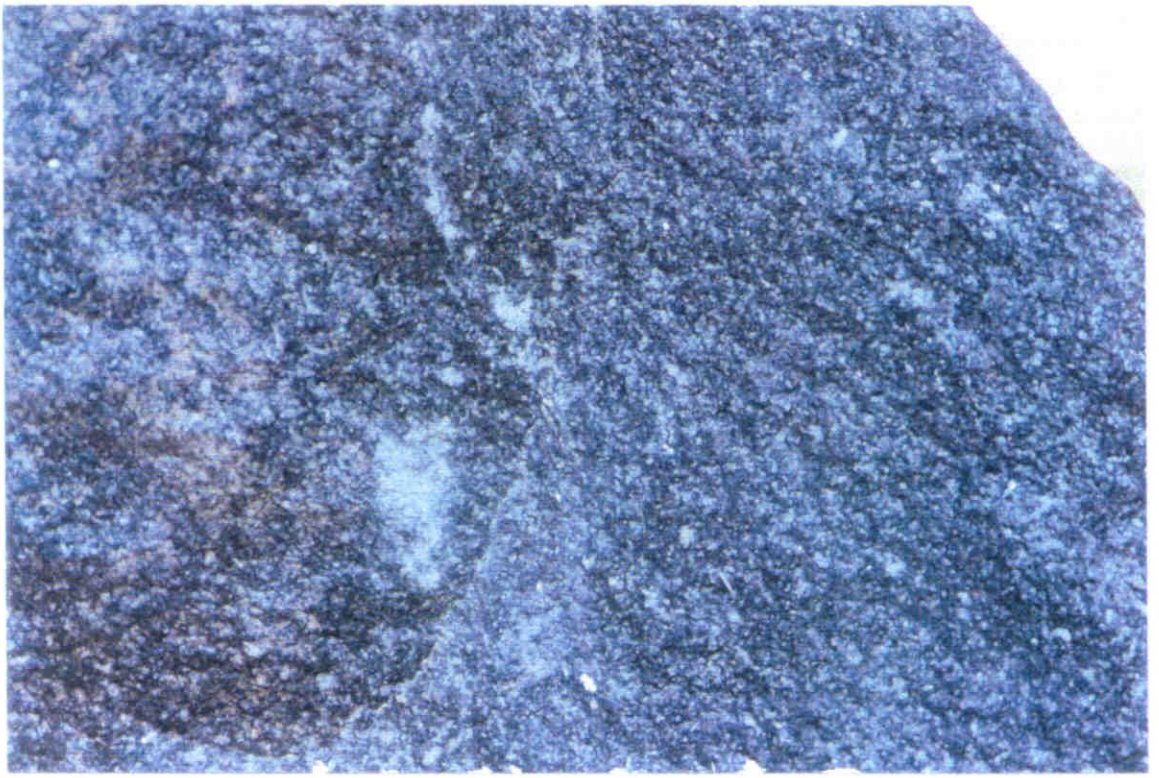
x 8312 Sample Location

Scale

0 500 m.

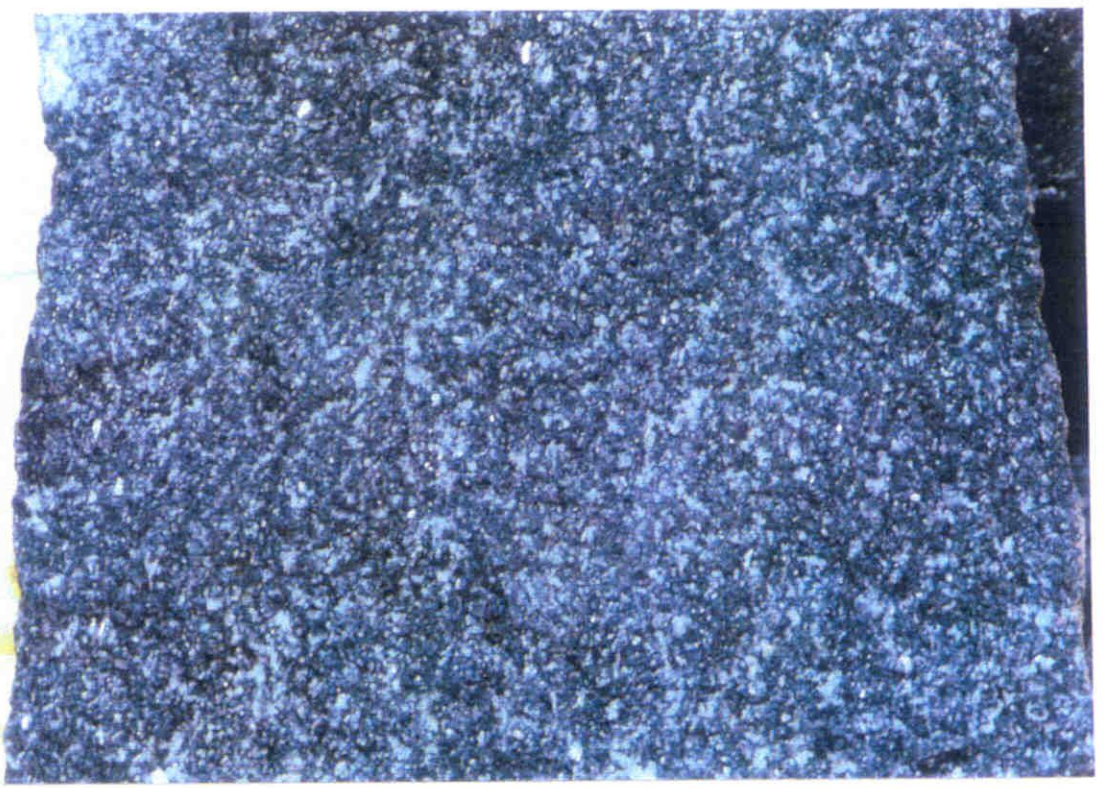
Highway 11
Roosevelt Road
Best Tp
Compilation

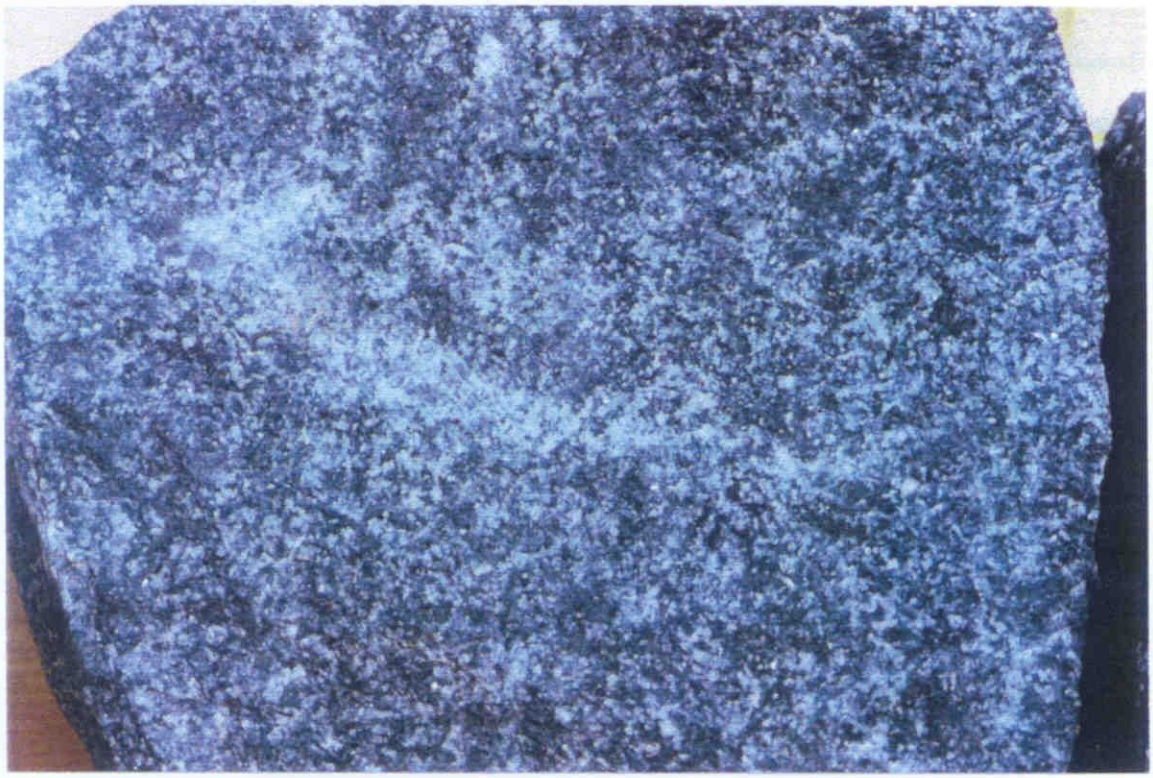
Map 1



Photograph: 52 (Above) Photographs 48-53 show samples 8309-8314 in unspecified order.

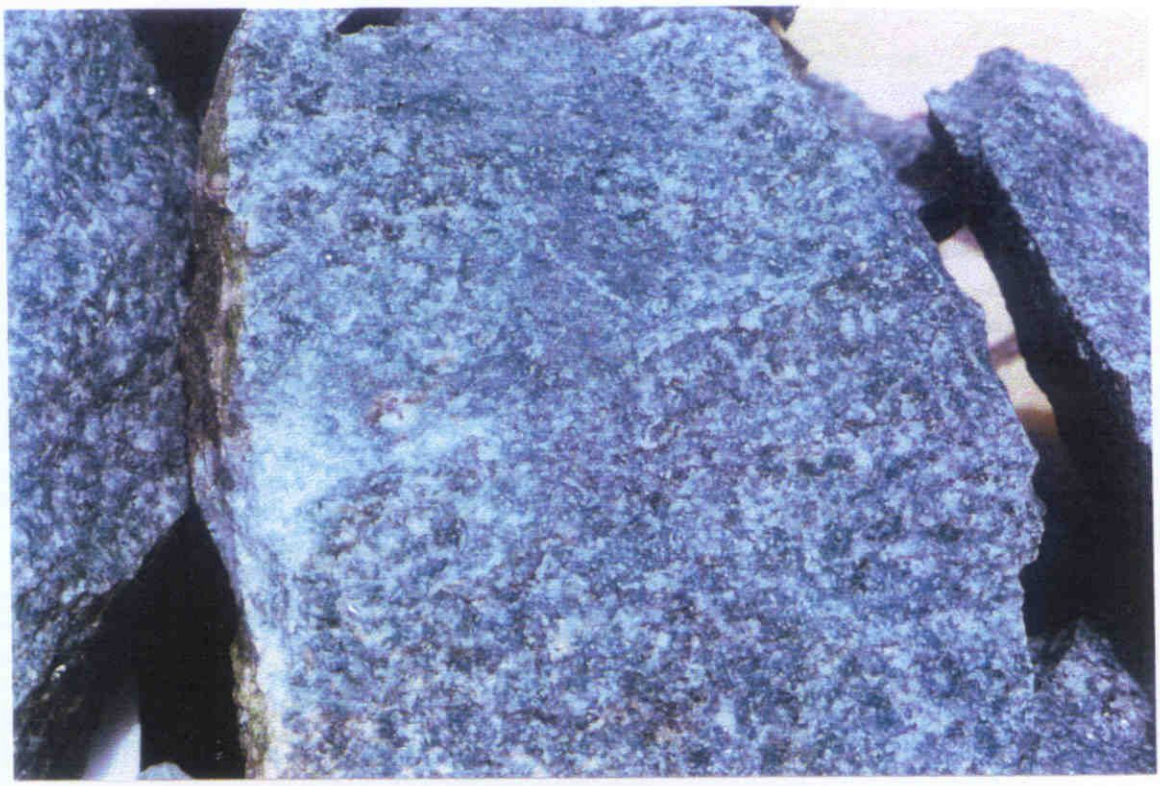
Photograph: 53 (Below) Photographs 48-53 show samples 8309-8314 in unspecified order.

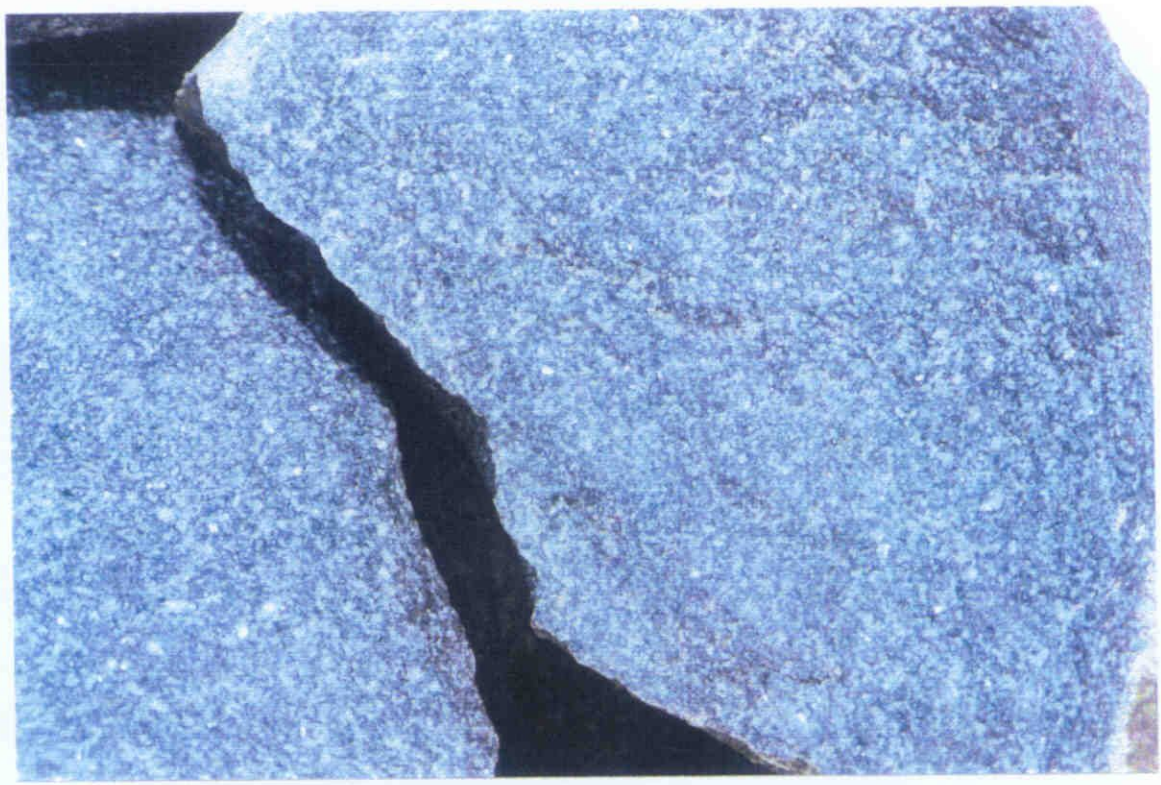




Photograph: 50 (Above) Photographs 48-53 show samples 8309-8314 in unspecified order.

Photograph: 51 (Below) Photographs 48-53 show samples 8309-8314 in unspecified order.





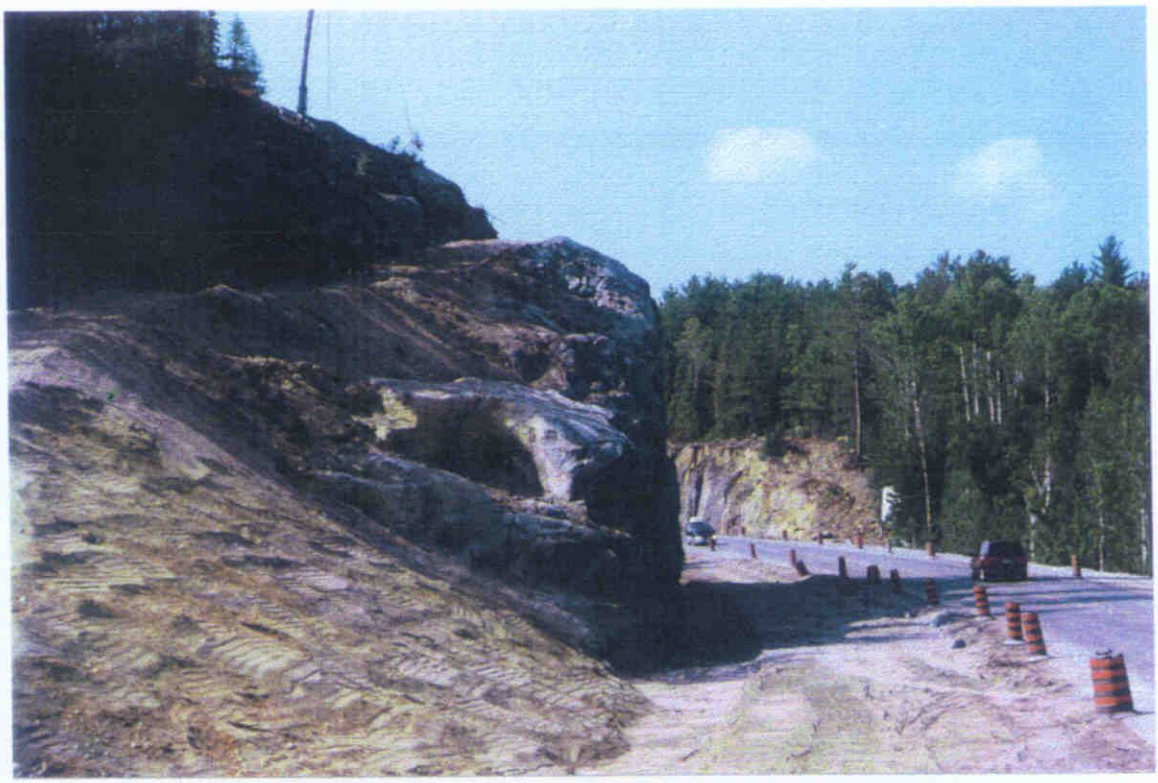
Photograph: 48 (Above) Photographs 48-53 show samples 8309-8314 in unspecified order.

Photograph: 49 (Below) Photographs 48-53 show samples 8309-8314 in unspecified order.

Photograph: 46 (Above)
North outcrop viewed from west shoulder of highway at 16+780.

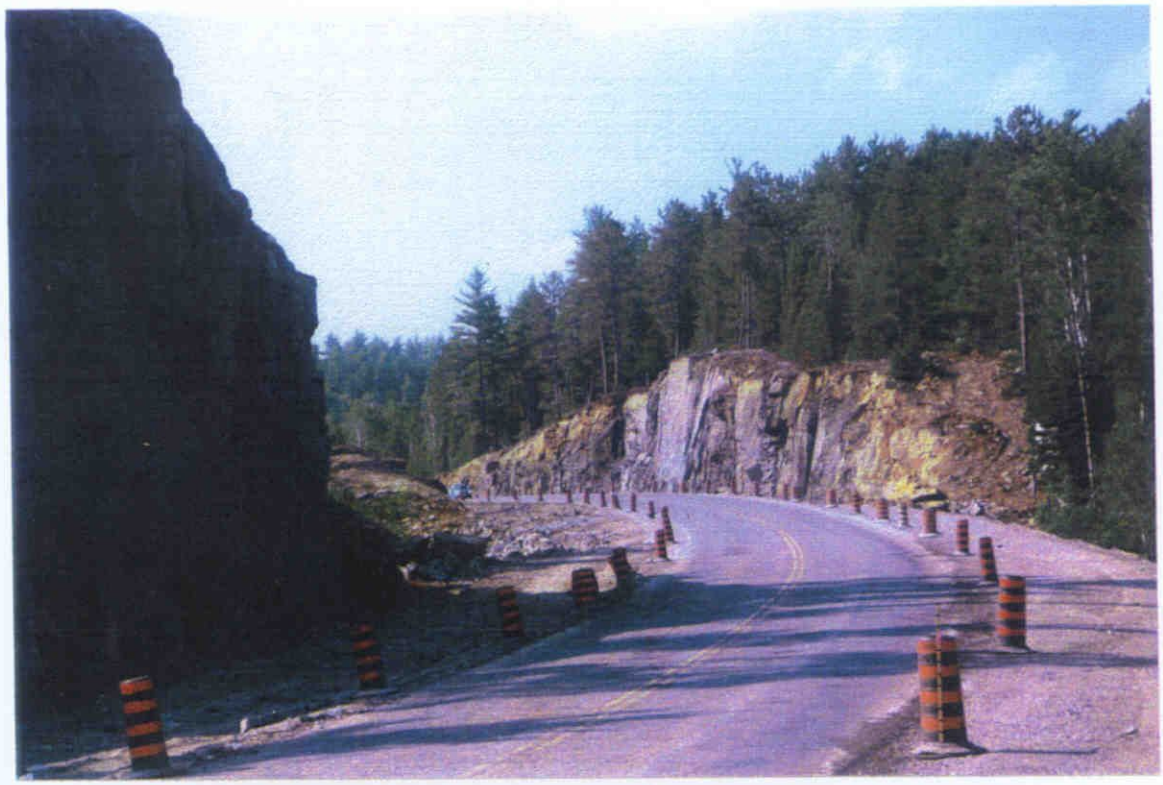
Photograph: 47 (Right)
North outcrop at 17+200.
UTM 0594038 mE, 5199650 mN.

Photograph: 45 Central outcrop west of highway.
This outcrop is overbroken.



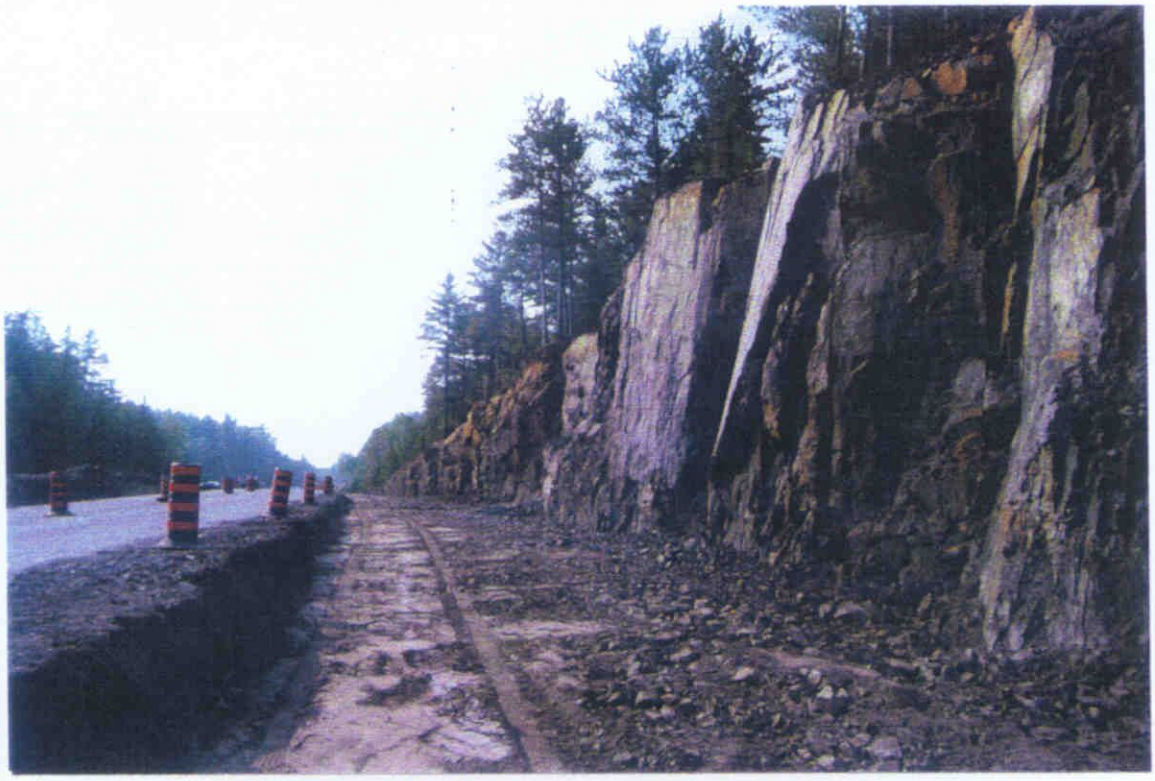
Photograph: 43 (Above) South Outcrop with Central Outcrop in background.
Photograph taken at 16+330 ~ 2 meters west of highway.

Photograph: 44 (Below) South Outcrop with central outcrop in background.
Photograph taken at 16+380 ~ 5 meters east of highway.



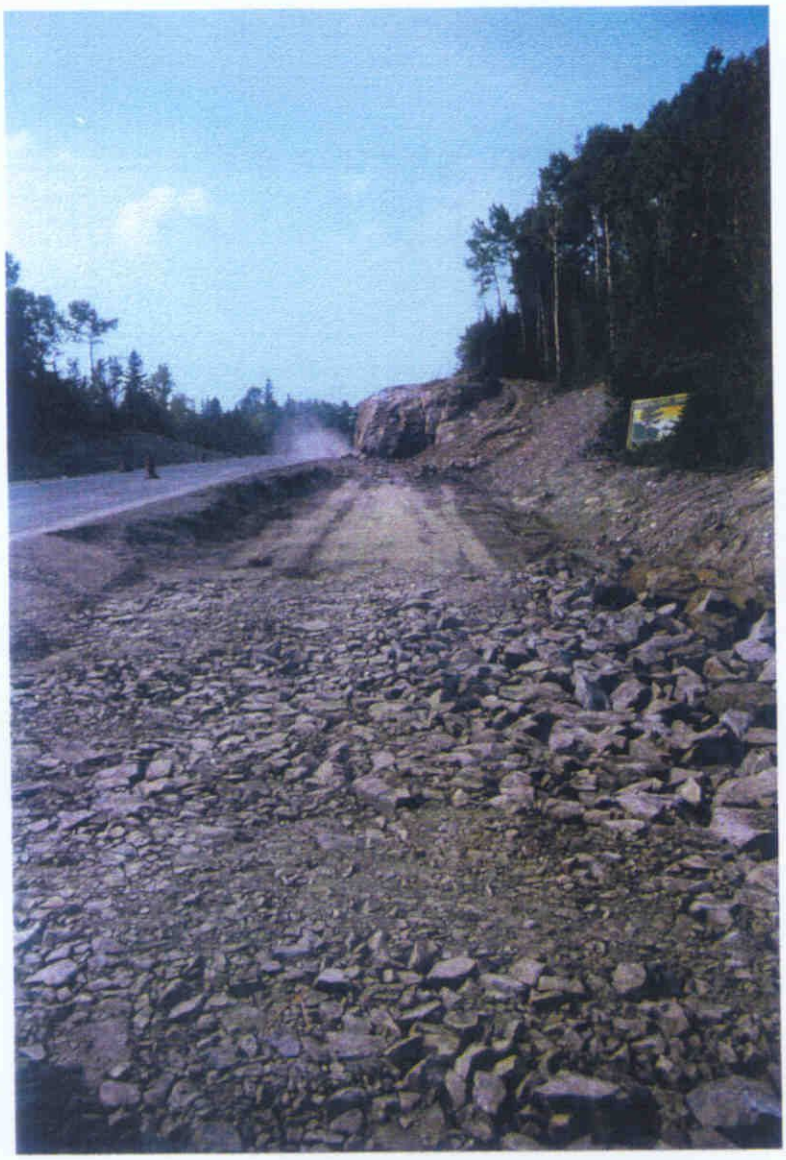
Photograph: 41 (Above) Sized (minus 10 cm) traprock product used as shoulder or possibly pavement base.

Photograph: 42 (Below) Sized (minus 2 cm) product as final shoulder to highway.



Photograph: 39 (Above) Central outcrop east of Highway 11 and fill product. This appears to be preparatory work for a passing lane.

Photograph: 40 Dark colored traprock product in contrast with light colored felsic fill in the for ground.



Photograph: 37 (Left)
Sized product used as
shoulder or road fill.

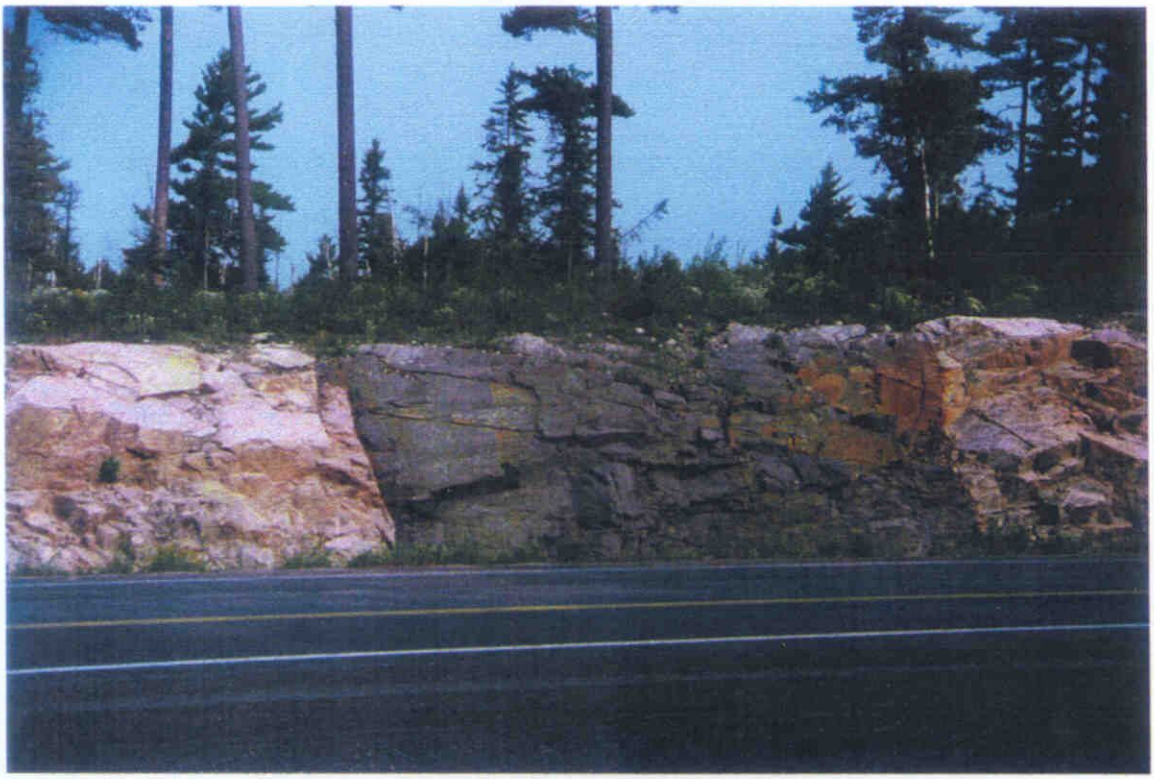
Photograph: 38 (Below)
Close up of rock face
of Photograph 37's rock face.
Sub grade is 1.85 meters below
pavement surface at this location.
UTM 0593383 mE, 5200280 mN.

Photograph: 35 (Above) Sample 8314 site in diabase 0.2 km east of Quarry Site #1. Sample collected from under sample bag.

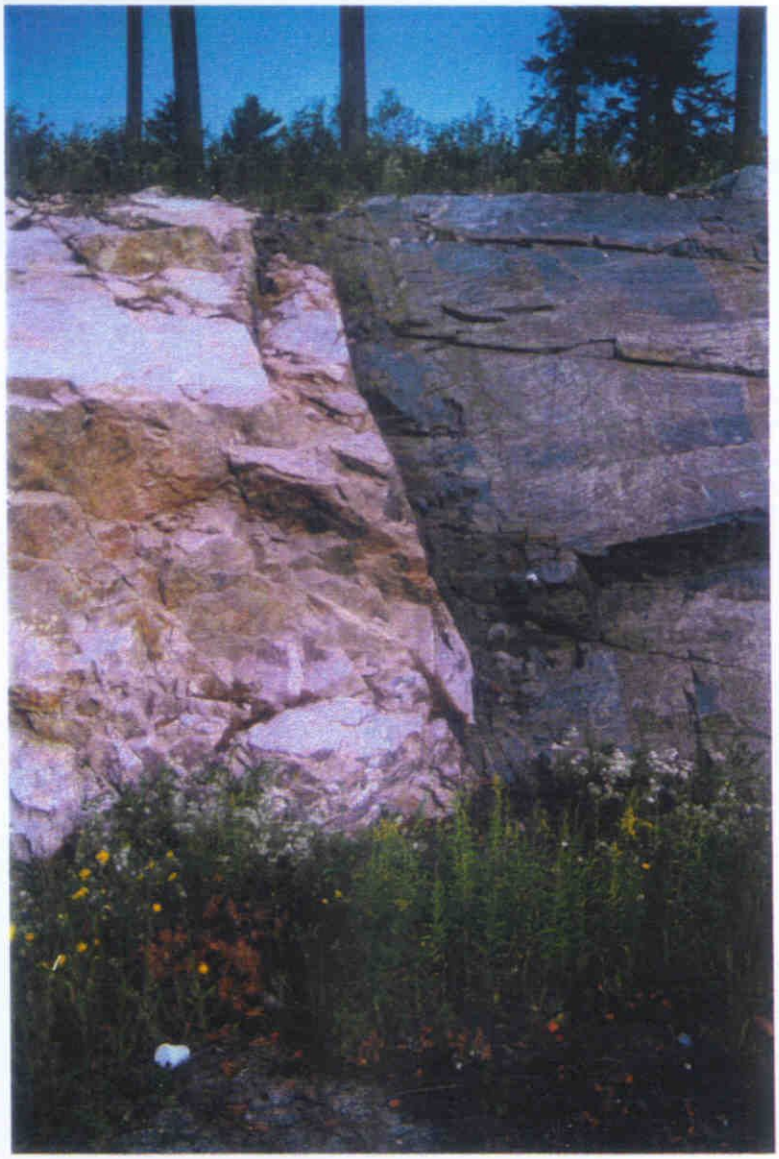
Photograph: 36 Sand pit (south from the Roosevelt Road) from which material used in highway construction may have been removed.

Photograph: 33 (Left)
Sign at Temagami Traprock
Quarry Site #1
on Roosevelt Road.

Photograph: 34 (Below)
Sample 8313 site at Quarry Site #1.
Sample collected from directly
beneath hammer head.

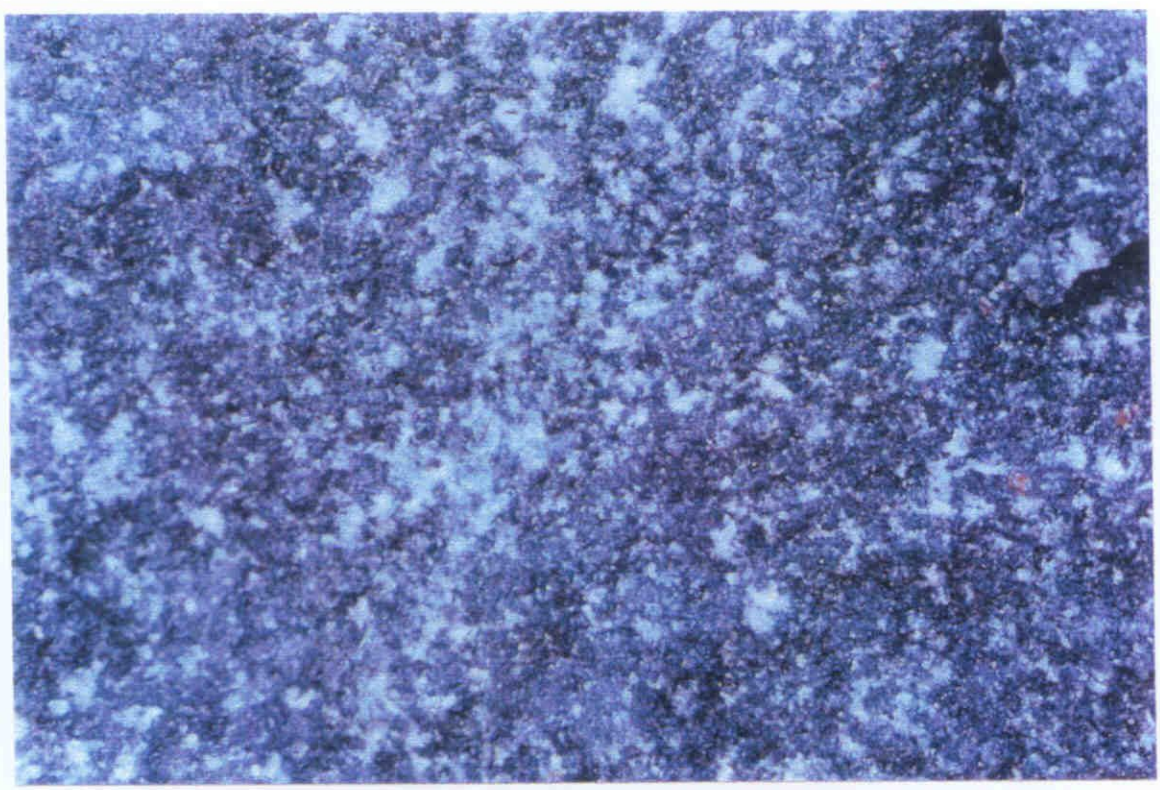


Photograph: 31 (Above)
15 m wide dark green diabase dike
cross cutting pale pinkish felsic rocks.
UTM 0592712 mE, 5219900 mN

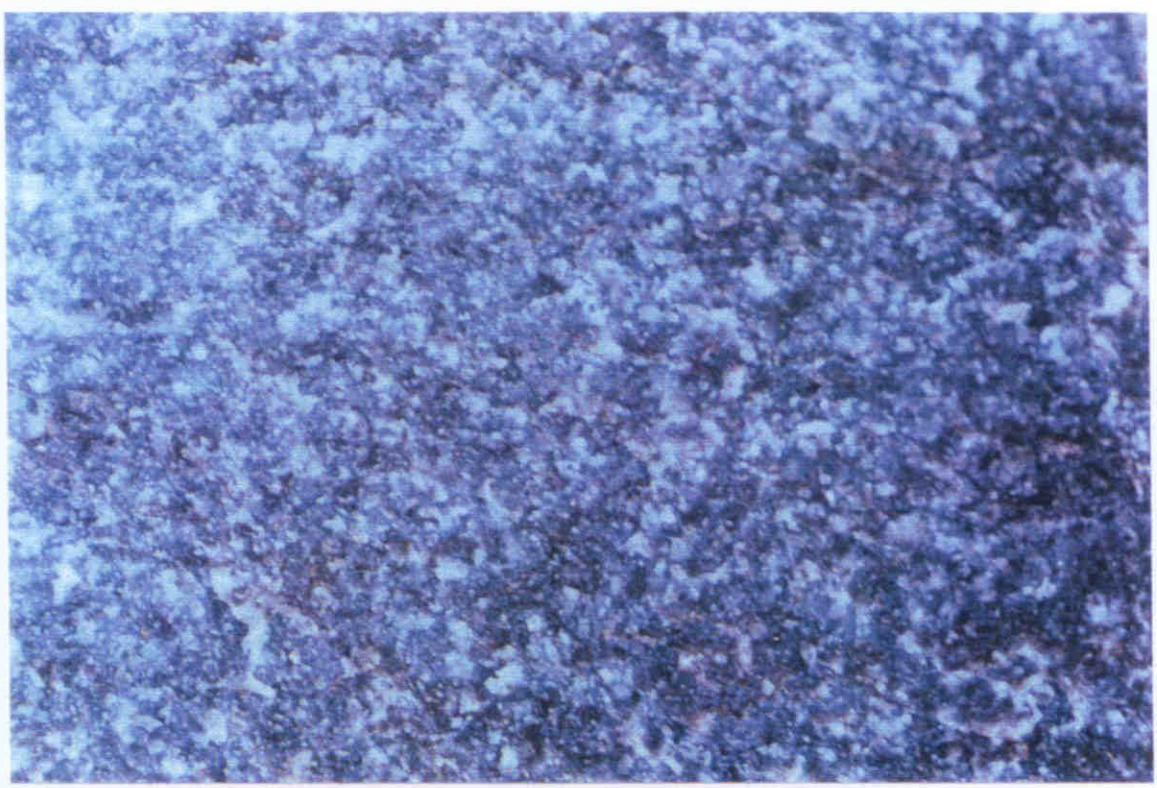


Photograph: 32 (Right)
Close up view of Photograph: 31
showing typical diabase contact.

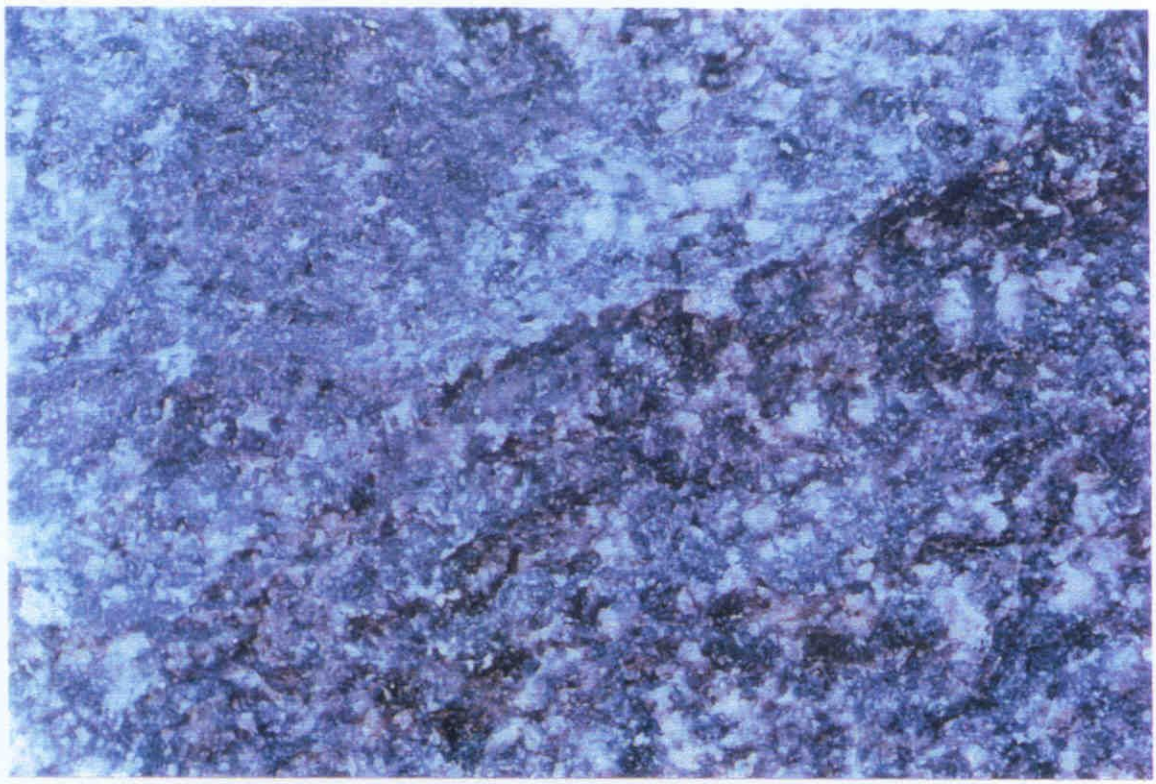
Photograph: 29 (Above) Diabase sample 8314, Roosevelt Road near Quarry Site #1, 2.6 km east of Highway 11.
Photograph: 30 (Below) Close up of sample 8314.



Photograph: 27 (Above) Diabase sample 8313, Roosevelt Road Quarry Site #1, 2.4 km east of Highway 11.
Photograph: 28 (Below) Close up of sample 8313.

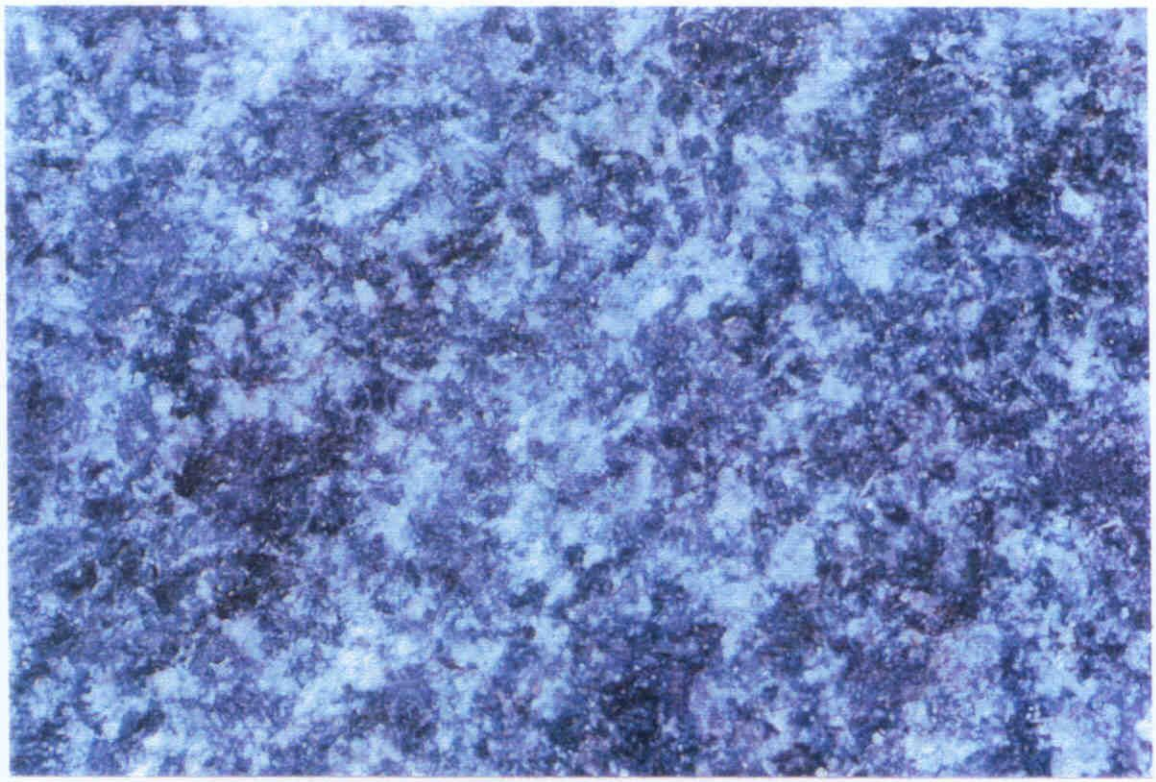


Photograph: 25 (Above) Diabase sample 8312, Roosevelt Road near Quarry Site #1, 1.8 km east of Highway 11.
Photograph: 26 (Below) Close up of sample 8312.



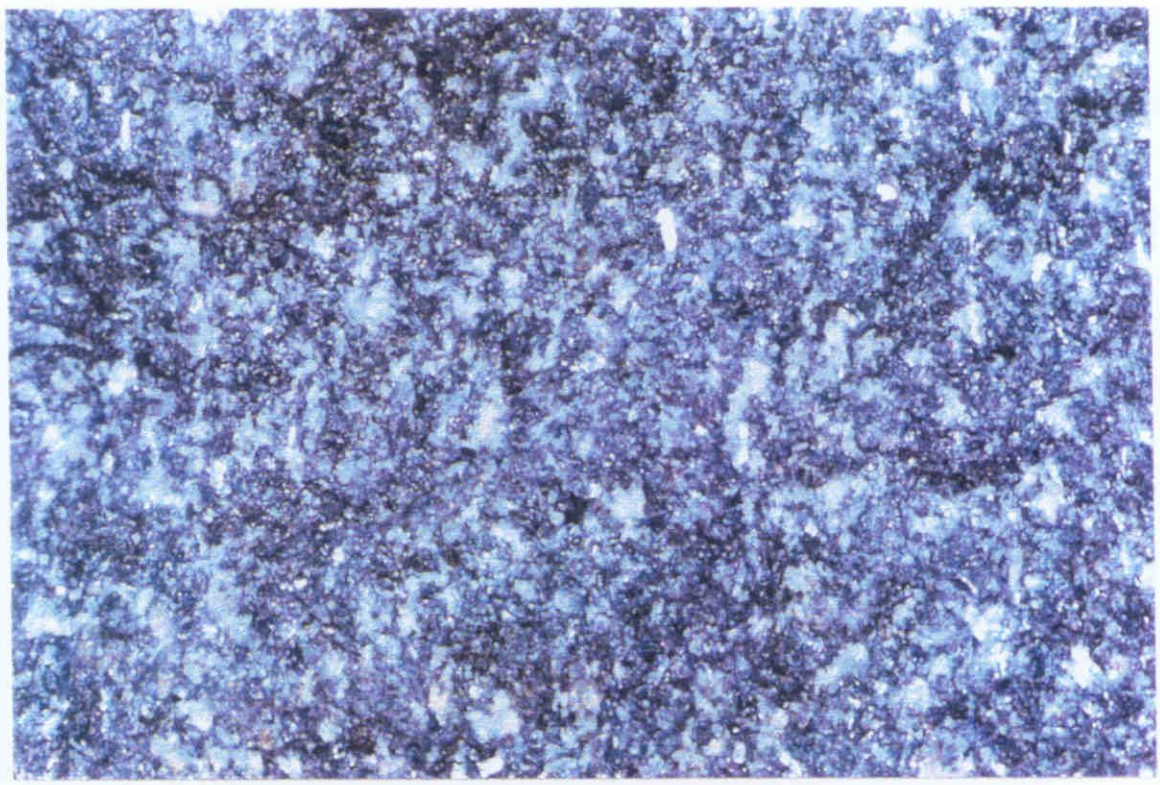
Photograph: 23 (Above) Diabase sample 8311 from South Outcrop at 16+458.

Photograph: 24 (Below) Close up of sample 8311.



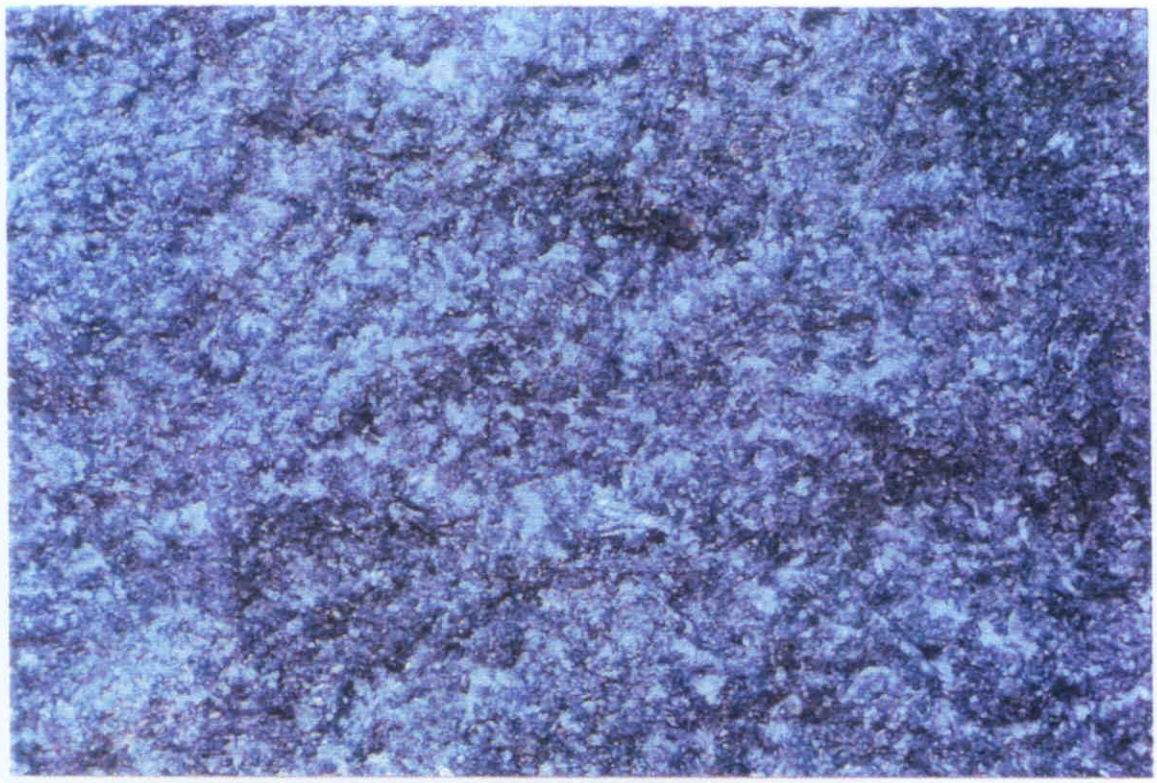
Photograph: 21 (Above) Diabase sample 8310 from Central Outcrop at 16+730.

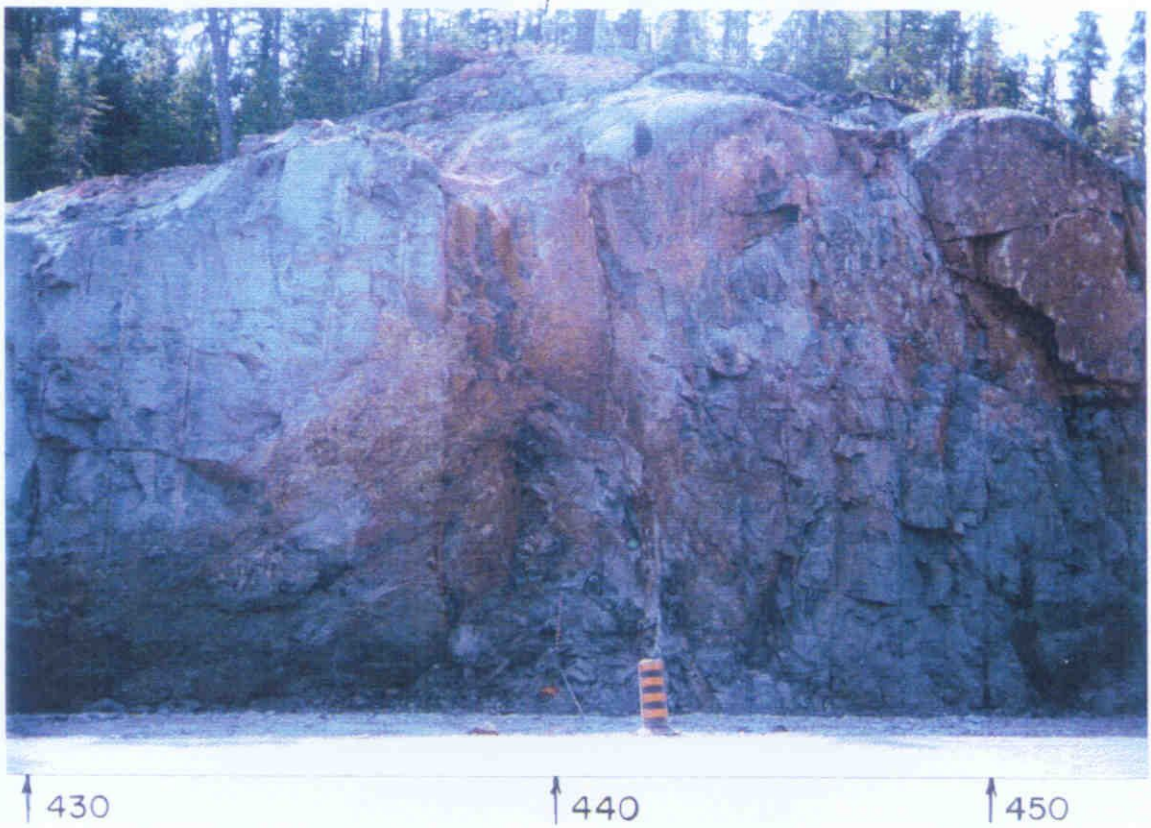
Photograph: 22 (Below) Close up of sample 8310.



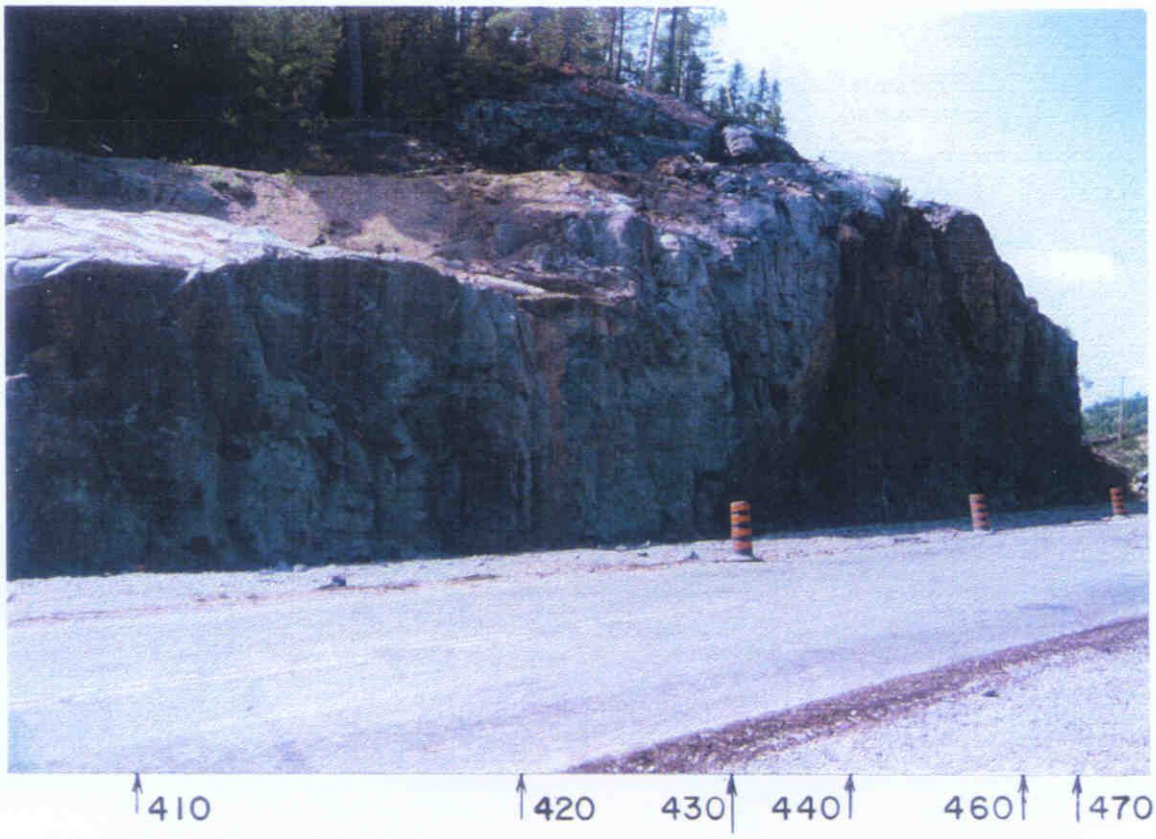
Photograph: 19 (Above) Diabase sample 8309 from Central Outcrop at 16+620.

Photograph: 20 (Below) Close up of sample 8309.

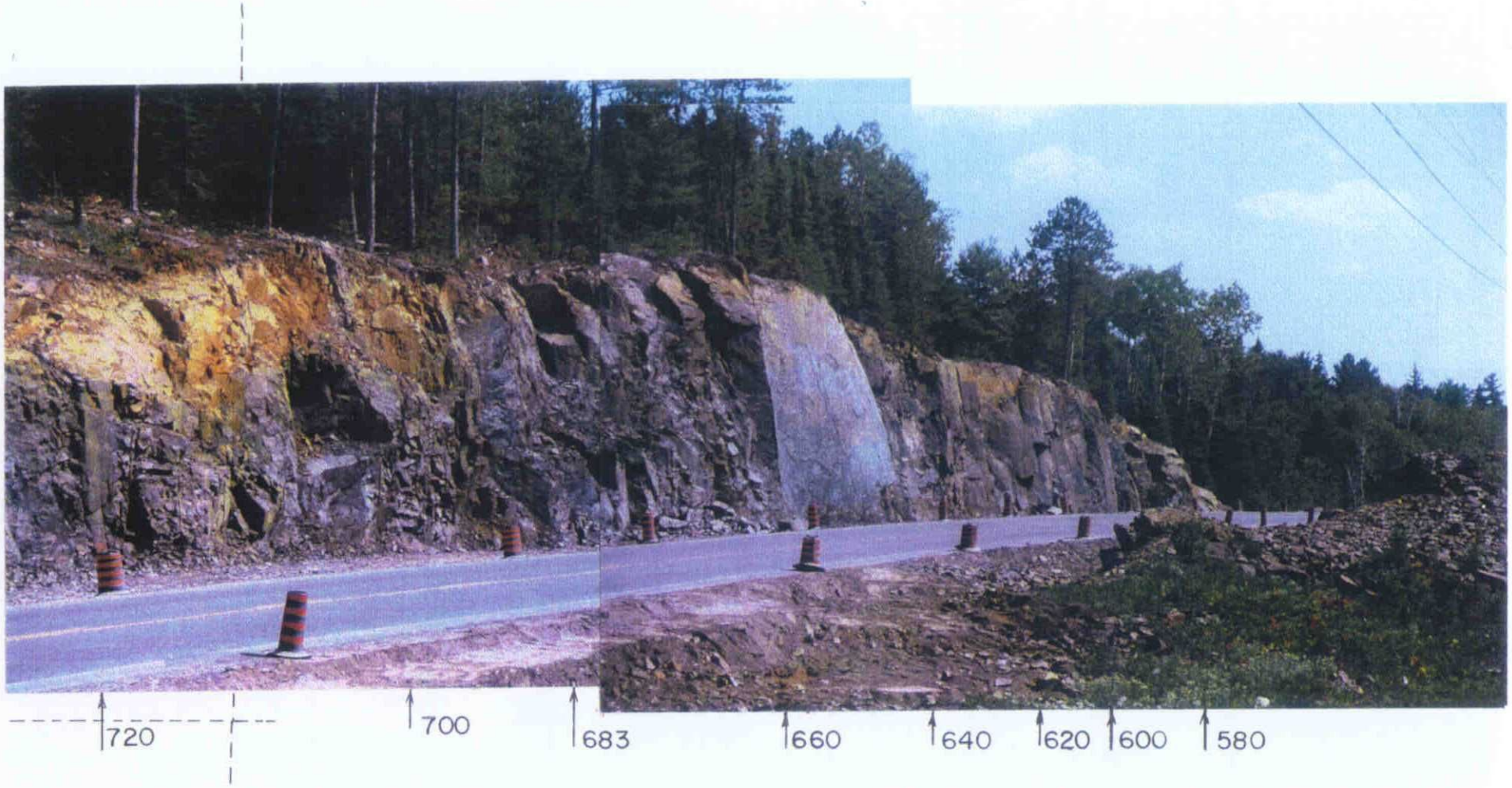




Photograph: 17 (Above) South Outcrop.
Photograph taken at 16+440.
Photograph: 18 (Below) South Outcrop.
Photograph taken at 16+467, 4 m east of highway.



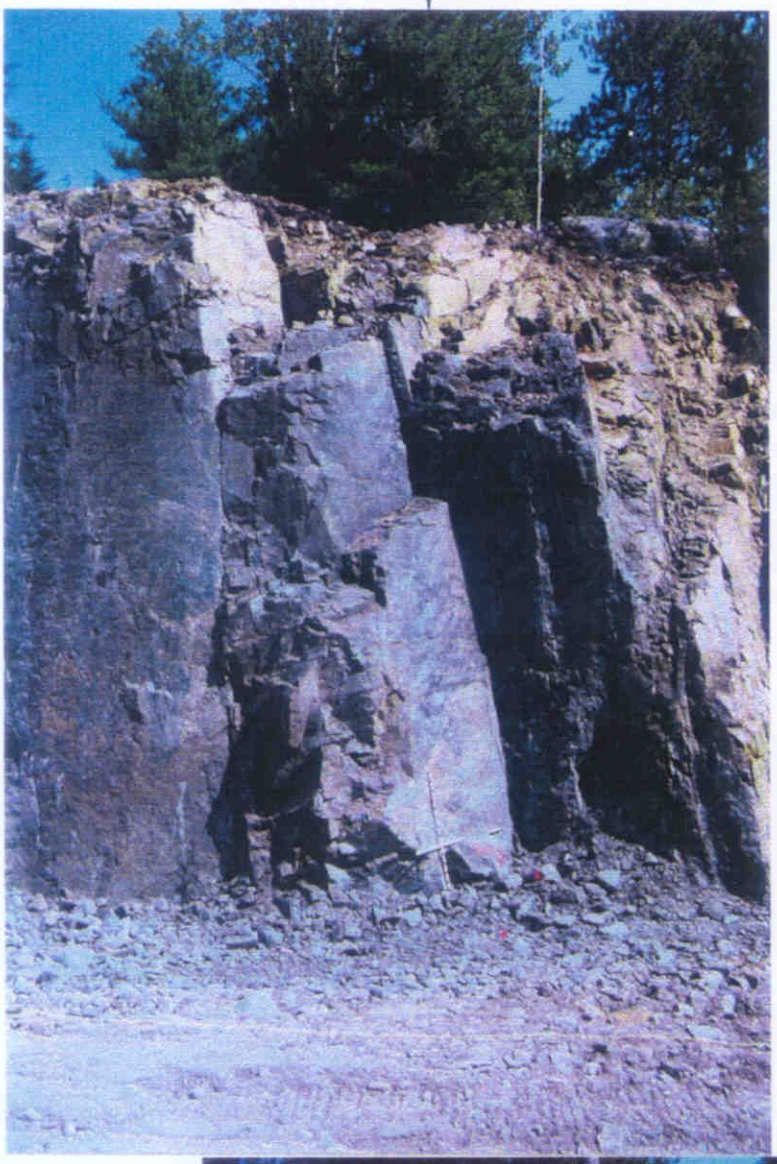
Photograph: 15 (Above) South Outcrop.
Photograph taken at 16+400, 5 m east of highway.
Photograph: 16 (Below) South Outcrop (enlarged view).



Photographs: 13 (Left) & 14 (Right): Photographs 11 throughout 14 form a panoramic continuum of the Central Outcrop east of highway 11.
Photographs taken at 16+771, 18 meters west of the highway.

Photographs: 11 (Left) & 12(Right): Photographs 11 through 14 form a panoramic continuum of the Central Outcrop east of highway 11.
Photographs taken at 16+771, 18 meters west of the highway.

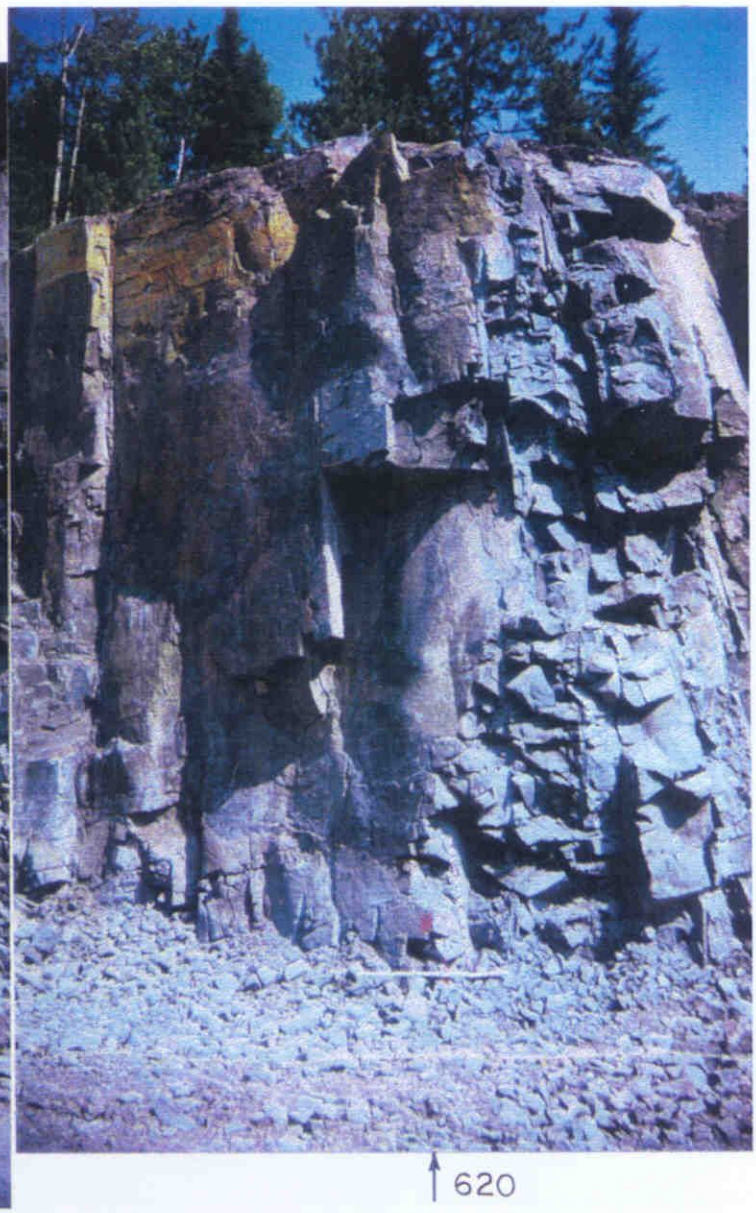
600



Photograph: 9 (Left)
16+600, Central Outcrop
east of Highway 11.
~ 83° slope towards highway
along strong slips.

Photograph: 10 (Below)
16+580, Central Outcrop
east of Highway 11.

580

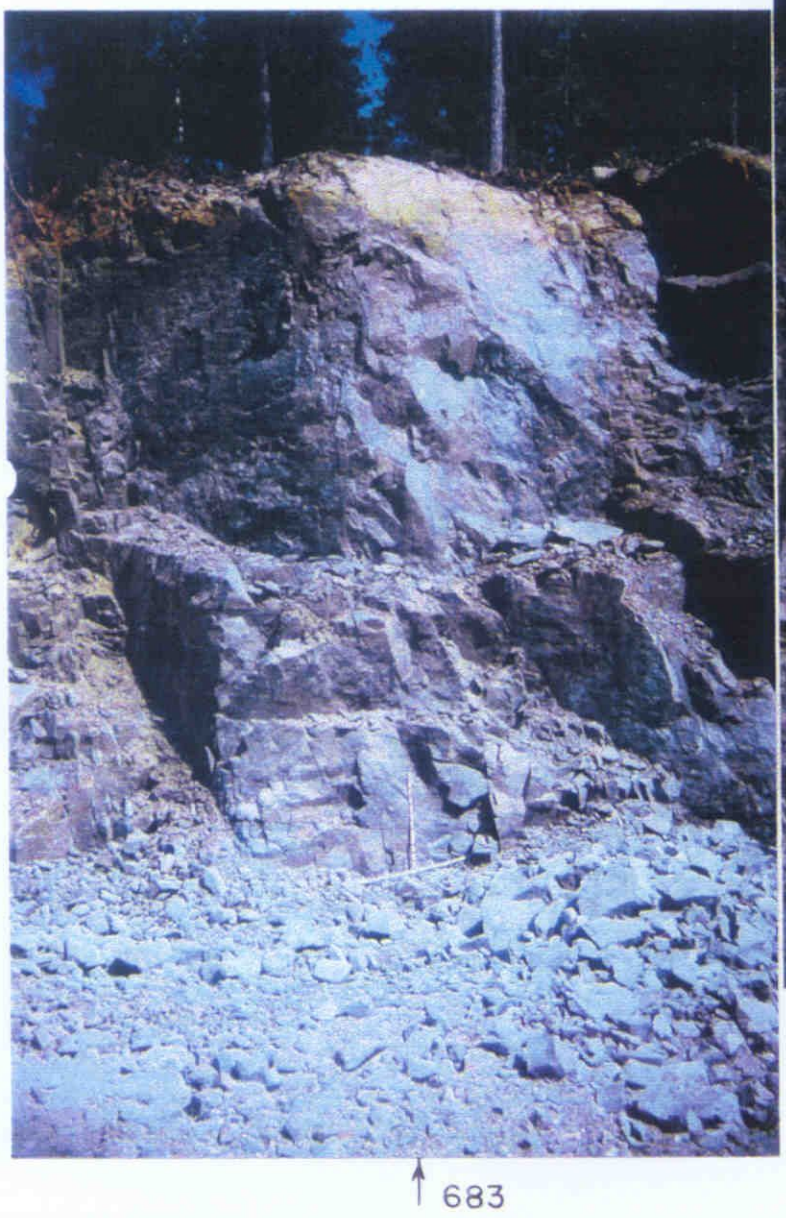


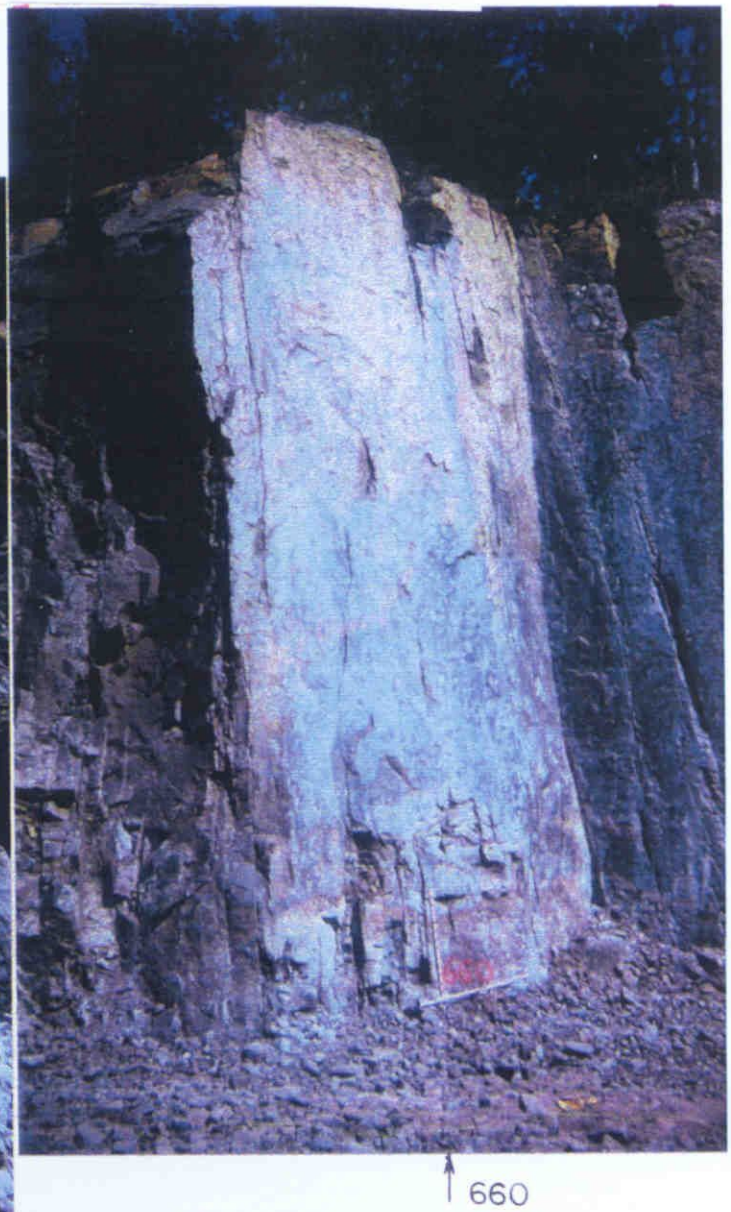
Photograph: 7 (Left) 16+640, Central Outcrop east of Highway 11.
~ 83° slope towards highway along strong slips.

Photograph: 8 (Right) 16+620, Central Outcrop East side of Highway 11.
~ 83° slope towards highway along strong slips.

Photograph: 5 (Left) 16+683, Central Outcrop east of Highway 11.
Measured at 16+883 to avoid muck pile at 16+880.

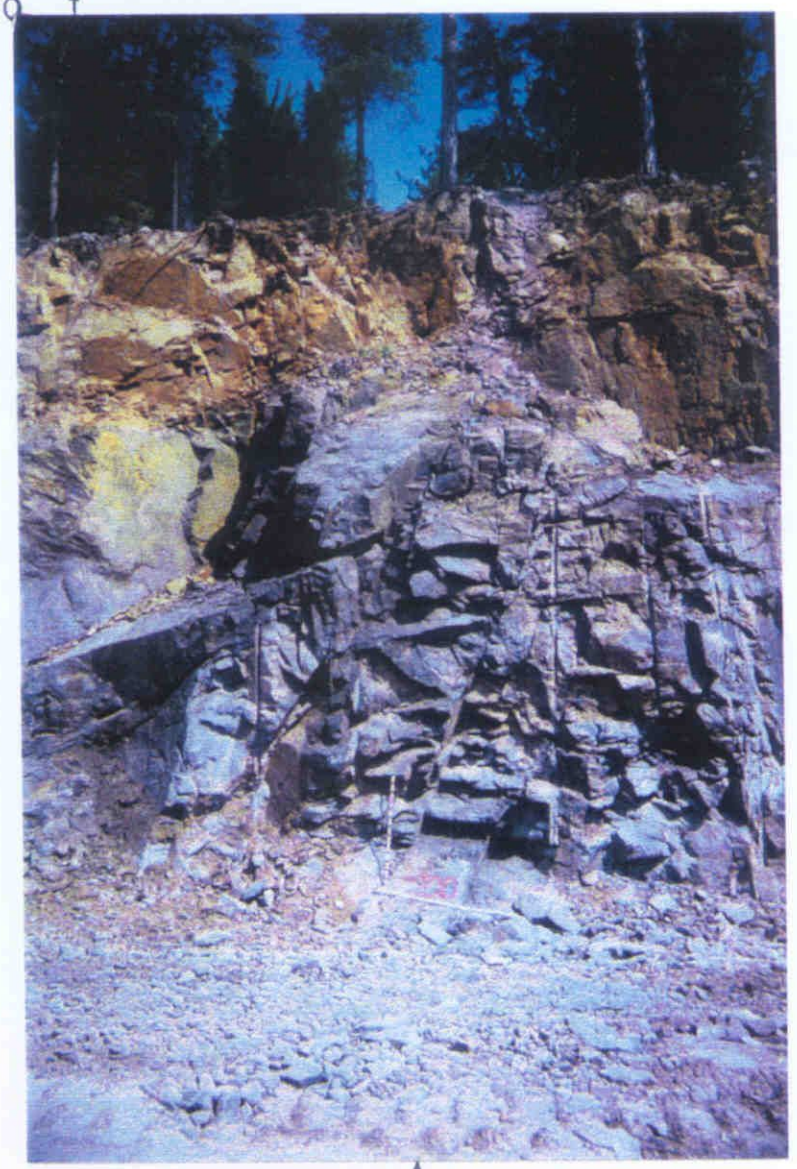
Photograph: 6 (Right) 16+660, Central Outcrop east of Highway 11.
Strong slips dipping ~ 83° towards Highway 11 caused overbreak sloping towards highway.





Photograph: 3 (Above)
16+720, Central Outcrop
east of Highway 11.

Photograph: 4 (Right)
16+700, Central Outcrop
east of Highway 11.
Overbreak in top half
of outcrop above trace of drill holes.



Photograph: 1 (Above) 16+760, Central Outcrop east of Highway 11.
Absence of drill hole traces indicate overbreak.

Photograph: 2 (Below) 16+740, Central Outcrop east of Highway 11.
Trace of vertical drill holes in left side of indicate no overbreak.

2.19977

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use): W9970-00332

Assessment Files Research Imaging

ubsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, sesment work and correspond with the mining land holder. Questions about this rthern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury.

31M04NE2017 2.19977 BEST 900

Temagami Tr. Prock Ltd.

Instructions: - For work performed on Crown Lands before **recording** a claim, use form 0240.
- Please type or print in ink.

Roosevelt Rd Area

1. Recorded holder(s) (Attach a list if necessary)

Name: Gino Chitaroni	Client Number: 117874
Address: Portage Bay Rd, P.O. Box 271 Cobalt Ontario P0J 1C0	Telephone Number: (705) 679-5500
	Fax Number: (705) 679-5519
Name	Client Number
Address	Telephone Number
	Fax Number

RECORDED DEC 23 1999

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs)

✱ Physical: drilling stripping, trenching and associated assays

Rehabilitation

		Office Use
Work Type: Power Stripping, Assay + Summary Geotechnical Report ✓		Commodity
		Total $ Value of Work Claimed: 6169
Dates Work Performed: From 19 (Day) 12 (Month) 99 (Year) To 10 (Day) 12 (Month) 99 (Year)		NTS Reference
Global Positioning System Data (if available)	Township/Area: Best	Mining Division: Sudbury
	M or G-Plan Number: G-3409	Resident Geologist District: Sudbury

Please remember to:
- obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

PROVINCIAL RECORDING OFFICE - SUDBURY RECEIVED DEC 23 1999 10:15 P.M.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name: Gino Chitaroni	Telephone Number: (705) 679-5500
Address: Portage Bay Rd P.O. Box 271 Cobalt Ont P0J1C0	Fax Number: (705) 679-5519
Name: Doug Robinson, Consultant Geologist	Telephone Number: (705) 642-9153
Address: 24 Victoria Ave, Swastika, Ontario, P0K 1T0	Fax Number
Name: James Lutken Excavating Limited	Telephone Number: (705) 672-5576
Address: 35 Niven St., Haileybury Ontario P0J 1K0	Fax Number

✱ see additional sheets

RECEIVED DEC 23 1999 11:00 GEOSCIENCE ASSESSMENT OFFICE

4. Certification by Recorded Holder or Agent

I, Gino Chitaroni (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: Gino Chitaroni		Date: Dec 10, 1999.
Agent's Address: Portage Bay Rd, P.O. Box 271, Cobalt, Ontario, P0J 1C0	Telephone Number: (705) 679-5500	Fax Number: (705) 679-5519

0241 (03/97)

Deemed March 22/2000 (592)

Fig. 2

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
W9970.00332
Assessment Files Research Imaging

Personal information collected on this form is obtained under the authority of subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assesment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Instructions: - For work performed on Crown Lands before **recording** a claim, use form 0240. Temagami Tri/Rock Ltd. Roosevelt Rd. Area
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name	Client Number
Address	Telephone Number
	Fax Number
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs) | Physical: drilling stripping, trenching and associated assays | Rehabilitation

		Office Use
Work Type		Commodity
		Total $ Value of Work Claimed
Dates Work Performed From Day / Month / Year To Day / Month / Year		NTS Reference
Global Positioning System Data (if available)	Township/Area	Mining Division
	M or G-Plan Number	Resident Geologist District

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name: Trow Consulting Engineers Ltd.	Telephone Number: (705) 674-9681
Address: 1074 Webbwood Drive, Sudbury, Ontario P3C 3B7	Fax Number: (705) 674-8271
Name: Meegwich Consultants Inc.	Telephone Number: (705) 569-2904
Address: P.O. Box 482, Temagami, Ontario P0H 2H0	Fax Number: (705) 569-2817
Name: Swastika Labs	Telephone Number: (705) 642-3244
Address: 1 Cameron Ave., Swastika, Ontario, P0K 1T0	Fax Number:

RECEIVED
DEC 23 1999
GEOSCIENCE ASSESSMENT OFFICE

4. Certification by Recorded Holder or Agent

I, Gino Chitaroni (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent	Gino Chitaroni	Date Dec 10, 1999.
Agent's Address: Portage Bay Rd., P.O. Box 271, Cobalt, Ont., P0J 1C0	Telephone Number (705) 679-5500	Fax Number (705) 679-5519

0241 (03/97)

Kg 3

5. **Work to be recorded and distributed.** Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form. W9970. 00332 "Roosevelt Rd. Property"

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg	TB 7827	16 ha	$26, 825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8, 892	$ 4,000	0	$4,892
Best Twp 1 S-	1118527	3	$ 3,695	$ 0	$ 3,695	$ 0
2 S-	1212011	3	2,294	0	2,294	0
3 S-	1212012	4	400	0	400	0
4 S-	1212013	4	0	0	0	0
5 S-	1206294	15	400	1,000	0	0
6 S-	1212069	14	0	169	0	0
7 S-	1212070	9	0	0	0	0
8						
9						
10						
11						
12						
13						
14						
15						
7 claims	Column Totals 52 units		$ 6,169	$ 6,169	$ 5,769	$ 0

I, Gino Chitaroni (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7.(1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: Gino Chitaroni — Date: Dec 10, 1999.

6. **Instructions for cutting back credits that are not approved.**

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- ☐ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☒ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☐ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

Temagami Traprock Ltd.

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use): W9970.00332

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Roosevelt Quarry Area

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
① Sampling + Geotechnical Report	3 Samples Whole Rock 20% of Report pertains	$75.44 $4,571.59	$75.44
② Power Stripping	to Best Area	(-3,657.27)	914.32 1,529.54
③ Blasting			321.00
④ Test Sample	1 Composite Sample	300 tons	~~321.00~~
			2,728.50
Associated Costs (e.g. supplies, mobilization and demobilization).			
Supervision + Labour, Report by owner/author			600.00
Transportation Costs		—	—
Food and Lodging Costs		—	—
Note: See Report & Receipt Summary!		**Total Value of Assessment Work**	$6,168.80

Total = $6,169

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK	x 0.50 =	Total $ value of worked claimed.

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarifications not made, the Minister may reject all or part of the assessment work submitted.

RECEIVED
DEC 23 1999
GEOSCIENCE ASSESSMENT OFFICE

Certification verifying costs:

I, Gino Chitaroni (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Recorded Holder (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature	Date
	Dec 10 1999

0212 (03/97)

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9845
Fax: (877) 670-1555

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

March 16, 2000

GINO PAUL CHITARONI
P.O. BOX 271
PORTAGE BAY ROAD
COBALT, Ontario
P0J-1C0

Dear Sir or Madam:

Submission Number: 2.19977

Subject: Transaction Number(s):		**Status**
	W9970.00332	Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact BRUCE GATES by e-mail at bruce.gates@ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 14665
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.19977

Date Correspondence Sent: March 16, 2000 **Assessor:** BRUCE GATES

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9970.00332	1118527	BEST	Approval	March 16, 2000

Section:
10 Physical PSTRIP
18 Other INDUS

Correspondence to:
Resident Geologist
Sudbury, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):
GINO PAUL CHITARONI
COBALT, Ontario

Correspondence ID: 14665

Ministry of Natural Resources
Ontario

Ministry of Northern Development and Mines

IN SERVICE FEBRUARY 10, 1989

THIS CROWN LAND WITHIN THE TEMAGAMI COMPREHENSIVE PLANNING AREA SPECIAL WORKING CONDITIONS MAY APPLY TO EXPLORATION ACTIVITIES FOR MORE DETAILED PLANS CONTACT:
DISTRICT MANAGER
NORTH BAY DISTRICT
MINISTRY OF NATURAL RESOURCES

INDEX TO LAND DISPOSITION

PLAN
G-3409
TOWNSHIP
BEST

M N R ADMINISTRATIVE DISTRICT
TEMAGAMI
MINING DIVISION
SUDBURY
LAND TITLES/REGISTRY DIVISION
NIPISSING

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY NORTHERN DEVELOPMENT AND MINES FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

LRO Parcel(s) Application under the Land Titles Act, Mining Act (Clause 35 (b)) 1990 (PT)

Scale 1:20 000

Contour Interval 10 Metres

Map base and land disposition mapping by Surveys and Mapping Branch, Ministry of Natural Resources.

The disposition of land, location of lot fabric, and parcel boundaries on this index was compiled for administrative purposes only.

AREAS WITHDRAWN FROM DISPOSITION
M R D MINING RIGHTS ONLY
S R O SURFACE RIGHTS ONLY
M & S MINING AND SURFACE RIGHTS

Description Order No. Date Disposition File

DISPOSITION OF CROWN LANDS

Parcel
Surface & Mining Rights
Surface Rights Only
Mining Rights Only
Lease
Surface & Mining Rights
Surface Rights Only
Mining Rights Only
Licence of Occupation
Order in Council
Cancelled
Reservation
Sand & Gravel
Land Use Permit
PLACER CLAIM

SYMBOLS

Boundary
Township, Meridian, Baseline
Road allowance surveyed
shoreline
Lot/Concession surveyed
unsurveyed
Parcel surveyed
unsurveyed
Right-of-way road
railway
utility
Flood Plain
Cliff, Pit, Pile
Contour
Interpolated
Approximate
Depression
Control point (horizontal)
Flooded land
Mine head frame
Pipeline (above ground)
Railway: single track
double track
abandoned
Road, highway, county, township
access
trail, bush
Shoreline (approx.)
Transmission line
Wooded area

BRIGSTOCKE TOWNSHIP
LORRAIN TOWNSHIP
GILLIES LIMIT TOWNSHIP
BANTING TOWNSHIP
SOUTH LORRAIN TOWNSHIP
BERS TOWNSHIP
STRATHY TOWNSHIP
CASSELS TOWNSHIP

1227375
1227376
1212108
1227370
1227369
1227368
1235953
1231339
1231338
1235954
1227364
1191101
1191100
1231128
1225648
1227365
1227380
1229323
1191930
1237415
1165507
1212335
1212234
1206294
1212013
1118527
1212014
1212011
1212012
1212070
1212069
1179178
1118498
1179080
1118561
1165508
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