TRIGAN RESOURCES INC.

ASSESSMENT REPORT

WEST GABBRO PROPERTY

METHUEN TOWNSHIP, SOUTHERN ONTARIO DISTRICT

RECEIVED

MOY 24 2003

GEOSCIENCE ASSESSMENT

November 18th, 2003



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CONTENTS

SUMMARY	Page 2
INTRODUCTION	2
PROPERTY	
Location and Access	2
Property Description and Status	2
WORK CARRIED OUT	
Sampling and Aggregate Testing	3
STATEMENT OF QUALIFICATIONS	4
FIGURES	
Figure 1: Location and Claim Map	2a
Figure 2: Borehole Location Map	In Pocket
Figure 3: Borehole Vertical Section	In Pocket
TABLES	
Table 1: Claim Status	3
Table 2: Summary of Aggregate Testing Results	4

APPENDIX

JEGEL Result Sheets

SUMMARY

Trigan Resources of Aurora, Ontario owns eight contiguous claims in the southwest part of Methuen Township, covering the western portion of a gabbroic body known as the West Gabbro.

In August 2003 Trigan Resources carried out a drilling program of ten holes (WG-1 to WG-10) for a total of 405 m to test the West Gabbro for its aggregate potential.

The drill holes intersected medium grained gabbro with adsorbed metasedimentary inclusions cut by granite dykes. All three lithologies form tough, cohesive rocks which should have properties suitable for aggregate resource material.

Representative bulk samples were taken from each borehole and submitted for aggregate testing. Results of these tests were all positive and indicate that the bedrock in the area of the gabbro covered by the boreholes is suitable as an aggregate resource.

INTRODUCTION

The Trigan West Gabbro Methuen Property was acquired for its potential as a source of high quality bedrock aggregate.

In July and August of 2003 a ten-hole diamond drilling program was undertaken to evaluate the quality of the bedrock as an aggregate resource in an area adjacent to and east of the railway line. Ten vertical holes were drilled to depths of between 31.8 and 45.7 m for a total of 405.2 m. Samples of core have been submitted for aggregate testing. This work was reported in an Assessment Report for the property filed on September 9th 2003.

The results of testing of this core for suitability as an aggregate resource were not available at the time the previous assessment report was submitted. This report covers the results of aggregate testing of eight composite core samples taken from the ten drill holes

PROPERTY

Location and Access

The property is located in the south half of Methuen Township in southern Ontario (Figure 1). The western boundary of the property is on the Township line between Methuen and Burleigh and Drummer Townships to the west. Regional road No. 6 runs north to south approximately 1 km west of the property and provides the easiest means of access. A dirt trail running eastwards from this road provides foot access to the northwest part of the property (Figure 2). The CPR branch rail line from Havelock to the Unimin operation at Nephton crosses the property from south to north.

The topography of the northern part of the property is characterized by a rugged ridge of red granite. As the gabbro contact is approached from the north, the terrain becomes more moderate but is characterized by extensive, beaver-dammed swamps.

Property Description and Status

The property is registered in the name of Trigan Resources Inc. 445 Beacon Hall Drive, Aurora, Ontario, L4G 3G8. The property consists of six contiguous claims (1240115, 1240130, 1240142, 1240150, 1240154 and 1240155), located within Concessions X to XII and Lots 4 to 9 of the southern half of



Methuen Twp in Southern Ontario. The claims were recorded between December 10th 1999 (Figure 2 and Table 1). Previous assessment work on these claims was filed December 5th 2001 (Submission No.2.22696, Transaction No.WO190.31321).

Extensions of Time on these claims (except 1240130) to September 10th 2003 was applied for and granted by the Provincial Recording Office. Assessment work on these claims was filed on September 9th 2003 (WO390.01426).

Claim 1240130 has assessment applied (\$14,670) to keep the claim in good standing until December 10th 2004.

Claim	Recording	Due Date	Units	Total applied	Work Required	Total Reserve
No	Date				December 10/03	
1240115	Dec 10 th , 1999	Dec 10 th 2003	12	\$9,600	\$4,800	\$2,765
1240130	Dec 10 th 1999	Dec 10 th 2005	8	\$14,670	-	\$30,118
1240142	Dec 10 th 1999	Dec 10 th 2003	12	\$9,600	\$4,800	
1240150	Dec 10 th 1999	Dec 10 th 2003	2	\$800	\$800	
1240154	Dec 10 th 1999	Dec 10 th 2003	8	\$6,400	\$3,200	
1240155	Dec 10 th 1999	Dec 10 th 2003	12	\$9,600	\$4,800	\$34

Table 1 West Gabbro Claims Status

WORK CARRIED OUT

Don Phipps sampled the core and wrote this assessment report. Aggregate testing of the core was carried out by John Emery Geotechnical Engineering Ltd of 109 Woodbine Downs Blvd, Toronto, M9W 6Y1.

Sampling and Aggregate Testing

The locations and cross sections of the boreholes are shown in Figures 2 and 3 respectively (back pocket). Holes WG1 to WG7 and WG10 were drilled on claim 1240130; holes WG8 and 9 were drilled on claim 1240155. The holes were drilled using a BQ thin-wall coring tube.

The core was sampled by taking a 5 to 8 cm piece of core from the start of each row in the core box. This method ensured a random, unbiased sampling of the core to give a representative sample of each borehole.

Samples from holes WG-1, 2 and 3 were combined into one sample; these three holes are predominantly gabbro (87%, 100% and 93% respectively). Samples from the remaining holes were made into one sample for each hole for a total of eight separate samples.

The eight samples were submitted to John Emery Geotechnical Engineering Ltd. (JEGEL) for testing. The following test were carried out for comparison with OPSS 1003 for HL 1 and DFC asphalt aggregates:

Bulk Relative Density	MTO LS-604
Absorption %	MYO LS-604
Micro-Deval Abrasion, % loss	MTO LS-618
Freezing and Thawing, % loss	MTO LS-614
Petrographic Analysis	MTO LS-609

Results

A summary of the aggregate testing results is given in the table below. The original result reporting sheets from JEGEL are included in the Appendix.

Test	WEST GABBRO DIAMOND DRILL HOLE SAMPLES								
- 650	1-2-3	4	5	6	7	8	9	10	
Bulk Relative Density	2.937	2.837	2.957	2.735	2.877	2.814	2.921	2.933	
Abrasion % Loss	8.9	7.5	8.8	6.2	7.1	7.6	10.1	8.5	
Absorption %	0.40	0.37	0.30	0.35	0.30	0.33	0.32	0.36	
Unconfined Freeze-Thaw % Loss	1.3	2.7	2.6	1.4	0.9	0.4	0.6	0.8	
Hot Mix Surface Treatment and Concrete Petrographic No.	105	104	104	105	102	101	101	103	
Corrected Granular and 16 mm Type B	100	100	100	100	100	100	100	100	

Table 2Summary of Aggregate Testing Results

All eight samples exceed the minimum requirements for acceptable aggregate.

STATEMENT OF QUALIFICATIONS

The writer of this report, Don Phipps, is the Geological Consultant to Trigan Resources Inc. He is a certified member of the APGO, a member of the Canadian Institute of Mining and Metallurgy, and the Prospectors and Developers Association of Canada. The professional qualifications of the writer include the following.

Graduate of the Camborne School of Mines with Mining Diploma Graduate of McGill University, B.Sc. Honours Geology Graduate of the Massachusetts Institute of Technology, M.Sc. in Oceanography

Over 30 years as a practicing professional geologist, mainly in the field of mineral exploration.



Donald Phipps.

APPENDIX

JOHN EMERY GEOTECHNICAL ENGINEERING LIMITED

CONSULTING ENGINEERS

#1, 109 Woodbine Downs Boulevard, Toronto, Ontario M9W 6Y1 Telephone: (416) 213-1060 Facsimile: (416) 213-1070 E-mail: jegel@jegel.com www.jegel.com

> September 26, 2003 JEGEL: 103061 JEGEL ID: 007000

MRT Aggregates Inc. P.O. Box 270 Brechin, Ontario LOK 1B0

Attention: Mr. John Loughnan

Dear Sir:

Aggregate Testing

As requested, John Emery Geotechnical Engineering Limited (JEGEL), Consulting Engineers, has completed testing of rock core samples labelled 1 through 10, supplied by MRT Aggregates Inc.

The following tests were completed for comparison with OPSS 1003 for HL 1 and DFC asphalt aggregates:

Bulk Relative Density and Absorption	MTO LS-604
Petrographic Examination	MTO LS-609
Micro-Deval Abrasion	MTO LS-618
Freezing and Thawing	MTO LS-614

The test results are presented in the attached Tables 1 to 10. We trust that the results of this testing are satisfactory for your purposes. Please contact us with any questions or if you require any additional information.

Yours very truly, JOHN EMERY GEOTECHNICAL ENGINEERING LIMITED

what have in com

Corrie Weatherbee Supervising Senior Laboratory Technician

Michael tel.

Michael H. MacKay, M.Eng, P.Eng. Principal Geotechnical Engineer

ISO 9001 Engineering / Research / Development / Education Soil / Rock / Aggregates / Slags / Asphalt / Cement / Concrete / Byproducts JEGEL• PAVMATEC

JEGEL 103061

TABLE 1AGGREGATE PHYSICAL PROPERTIES TEST RESULTS

		TEST RESULTS					
TEST		SAMPLE 1-2-3 SAMPLE 4 S		SAMPLE 5	SAMPLE 6		
Hot Mix Surface Treatment and		105	104	104	105		
Concrete Petrographic Nu	6 mm Type B	100	100	100	100		
	Sample	2.937	2.873	2.957	2.735		
Bulk Relative Density	Control	2.672					
	Sample	0.40	0.37	0.30	0.35		
Absorption, %	Control	0.66					
Coarse Micro-Deval	Sample	8.9	7.5	8.8	6.2		
Abrasion,	Control			16.5			
% Loss	Sample	1.3	2.7	2.6	1.4		
Freezing and Thawing, % Loss	Control		<u>.</u>				
70 0000							

JEGEL 103061

TABLE 2AGGREGATE PHYSICAL PROPERTIES TEST RESULTS

			TEST R	ESULTS			
TEST	-	SAMPLE 7	SAMPLE 8	SAMPLE 9	SAMPLE 10		
Hot Mix Surface Treatmen	it and	102	101	101	103	10	
Corrected Granular and 10	6 mm Type B	100	100	100	100	- 6	
	Sample	2.877	2.814	2.921	2.933	_] 3	
Bulk Relative Density	Control	2.672					
	Sample	0.30	0.33	0.32	0.36	0	
Absorption, %	Control		().66			
Coarse Micro-Deval	Sample	7.1	7.6	10.1	8.5	7	
Abrasion,	Control	16.5					
	Sample	0.9	0.4	0.6	0.8	_6	
Keezing and Thawing, % Loss	Control		L	22.6			

		T	ABLE 3				
	COARSE AGO	GREGATE	PETROGRAPHIC ANALYSIS				
ріт ма	ME: MRT Sample #1-2-3					JEGEL:	103061
DATE:	Sept 22/03 FRACTION 19.	0 - 9.5 m	m ANALYST:	CW		ID#:	7000
	10pt 22,00					GRANU	LAR &
TYPE	TYP	E		MASS	%	16.0 mm '	ГҮРЕ В
No				í		CORRE	CTION
110.	CAPBONATE (hard: silty hard)						
20	CARBONATE (surface weathered: silt_surface weathered:	thered: med	ium hard; silty, medium hard)				
20	CARBONATE (sandy hard or medium hard)	,					
2	CARBONATE (slightly cherty: <5%chert)						
21	MARBLE (hard or medium hard)						
25	CONGLOMERATE-SANDSTONE-ARKOSE (hard						
22	CONGLOMERATE-SANDSTONE-ARKOSE (med	ium hard)					
6	GREYWACKE-ARGILLITE (hard or medium hard	}					
4	GNEISS-AMPHIBOLITE -SCHIST (hard)	·		45.4	4.4		
5	OUARTZITE						
8	GRANITE-DIORITE-GABBRO (hard)			951.4	93.0		
7	VOLCANIC (hard)						
9	TRAP (<20% sulphide)					┞────┤	
10	QUARTZ (vein or pegmatitic)					┠┈╼╾╸┥	
77	GYPSITE (<10% gypsum)					↓	
·····	TOTAL GOOD AGGREGATE			996.8	97.4		
35	CARBONATE (soft; silty, soft; slightly shaley)					×2	
41	CARBONATE (soft, pitted)					×2	
42	CARBONATE (deeply weathered; silty, deeply wea	thered)					
40	CARBONATE (sandy, soft)					×2	
24	MARBLE (brittle)					×2	
26	CHERT-CHERTY CARBONATE (<20% leached	chert)				×2	
30	CONGLOMERATE-SANDSTONE-ARKOSE (brit	tle)				×2	
29	GREYWACKE (brittle)						
52	ENCRUSTATION				0.2	~2	0.6
25	GNEISS-AMPHIBOLITE-SCHIST (brittle)			3.3	0.3	2	0.0
34	ARGILLITE (medium soft)					~2 ×2	4.6
27	GRANITE-DIORITE-GABBRO (brittle)			23.3	2.3	×2	1.0
28	VOLCANIC (soft)			26.6	26		
	TOTAL FAIR AGGREGATE			20.0			
43	CARBONATE (shaley; clayey; silty, clayey)			<u> </u>			
44	CARBONATE (ochreous; sandy, ochreous)					×3	
49	MARBLE (friable)					×5	
45	CHERT-CHERTY CARBONATE (>20% leached	chert)	· · · · · · · · · · · · · · · · · · ·			×3	
46	CONGLOMERATE-SANDSTONE-ARKOSE (International Conglomerate-Sandstone-Arkose)	able)				×3	
56	SILTSTONE					×3	
53	CEMENTATION (partial)						
54	CEMENTATION (total)			+		×3	
50	GNEISS-AMPHIBOLITE (triable)				<u> </u>	×3	
55	SCHIST (soft)					×3	
51	GRANITE-DIORITE-GABBRO (friable)	<u> </u>			·	×3	
48	VOLCANIC (very soft, porous)			+		×3	
78	GYPSITE (gypsum 10 to 49%)			0	0.0	1	
	TOTAL POUR AGGREGATE			1	1	1	
60	OCHRE					1	
61	SHALE						
62	CLAY					+	
63	VOLCANIC-GNEISS-SCHIST (decomposed)		· · · · · · · · · · · · · · · · · · ·	0	0.0	1	
	TOTAL DELETERIOUS AGGREGATE		TOTAL	s 1023.4	100.0	-	5.2
				1	<u></u>		
1		074					
% GOC	DD 97.4 × 1	71.4 71 0					
% FAII	2.6 × 3	1.0					
% POO	R 0.0 × 6	0.0		EST PE	CENT CH	USHED	100
% DEL	ETERIOUS 0.0 × 10	0.0		EST. PFI	CENT FL	ATS &	
				ELONG	TED		<5
L			1	CORRE	CTED GR 4	NULAR	100.0
HOTM	IIX, SURFACE TREATMENT	105.2		AND 16	0 mm TYF	EBP.N.	100.0
AND C	ONCRETE P.N.			1.1.10 10.			uly 30, 20
S/A 1.7	-1		120 2001			•	

		T.	ABLE 4				7
	COARSE AGO	GREGATE	PETROGRAPHIC ANALYSIS			JEGEL:	103061
PIT NAI DATE:	Sept 22/03 FRACTION 19.	0 - 9.5 m	n ANALYST:	<u>cw</u>		ID#: GRANU	7000 LAR &
		-		MACC	0/2	16.0 mm	TYPE B
TYPE	TYP	B		MASS	/0	CORRE	CTION
No.				<u>+</u>		T	51101
1	CARBONATE (hard; silty, hard)						
20	CARBONATE (surface weathered; silt, surface we	thered; med	ium hard; silty, medium hard)				
2	CARBONATE (sandy, hard or medium hard)						
21	CARBONATE (slightly cherty: <5%chert)						
23	MARBLE (hard or medium hard)						
3	CONGLOMERATE-SANDSTONE-ARKOSE (hard	I)					
22	CONGLOMERATE-SANDSTONE-ARKOSE (med	lium hard)					
6	GREYWACKE-ARGILLITE (hard or medium hard)					
4	GNEISS-AMPHIBOLITE -SCHIST (hard)						
5	OUARTZITE						
8	GRANITE-DIORITE-GABBRO (hard)			993	98.1		
7	VOLCANIC (hard)						
0	TRAP (<20% sulphide)						
10	OLIARTZ (vein or negmatitic)						
77	GV2SITE (<10% gvnsum)	<u> </u>					
	TOTAL GOOD ACCREGATE			993	98.1		
25	CARBONATE (soft: silty soft: slightly shaley)					×2	
41	CARDONATE (soft, sitted)					×2	
41	CADDONATE (deenly weathered silty deenly we	thered)					
42	CARBONATE (deeping weathered, sinty, deeping					×2	
40	CARBONATE (sandy, sol)					×2	
24	MARBLE (Drittle)	abort)	······································	11		×2	
26	CHERT-CHERTY CARBONATE (<20% leached					×2	
30	CONGLOMERATE-SANDSTONE-ARKOSE (DI					×2	
29	GREYWACKE (brittle)					×2	
52	ENCRUSTATION					×2	
25	GNEISS-AMPHIBOLITE-SCHIST (brittle)					×2	
34	ARGILLITE (medium soft)			197	1.9	×2	3.9
27	GRANITE-DIORITE-GABBRO (brittle)			12.1		×2	
28	VOLCANIC (soft)			197	19		
	TOTAL FAIR AGGREGATE	·····					
43	CARBONATE (shaley; clayey; silty, clayey)						
44	CARBONATE (ochreous; sandy, ochreous)					×3	
49	MARBLE (friable)					×5	
45	CHERT-CHERTY CARBONATE (>20% leached	chert)				×3	
46	CONGLOMERATE-SANDSTONE-ARKOSE (fri	able)				×3	
56	SILTSTONE					×3	
53	CEMENTATION (partial)			-		<u> </u>	<u> </u>
54	CEMENTATION (total)				┣		<u> </u>
50	GNEISS-AMPHIBOLITE (friable)				 	~ <u>)</u> ~2	<u>}</u>
55	SCHIST (soft)		······	- <u> </u>	ļ	+	┼
51	GRANITE-DIORITE-GABBRO (friable)				ļ	× 3	
48	VOLCANIC (very soft, porous)				ļ	×3	
78	GYPSITE (gypsum 10 to 49%)						<u> </u>
	TOTAL POOR AGGREGATE			0	0.0		<u> </u>
60	OCHRE				<u> </u>		
61	SHALE				L		<u> </u>
62							_
62	VOLCANIC-GNEISS-SCHIST (decomposed)						ļ
- 0.5	TOTAL DELETERIOUS ACCREGATE			0	0.0		
	I G FALL DELLA DALOGO AGUAGOARD		TOTAL	S 1012.7	100.0		3.9
		02 1					
% GOC	98.1 × 1	50.1					
% FAIF	1.9 × 3	0.0					
% POO	R 0.0 × 6	0.0		EST PE	RCENTCR	USHED	100
% DEL	ETERIOUS 0.0 × 10	0.0		EST DE	RCENT FI	ATS &	1
				ELONG.	ATED		<5
			1	CODDEC	TED CP A	NULAR	1
HOT M	IX, SURFACE TREATMENT	103.9		LUKKE		EBBN	100.0
AND C	ONCRETE P.N.		L	AND 16.	v and 1 YP	GDT.N.	July 30, 200
S/A 1.7	-1		ISO 9001				ang 50, 200

COARSE AGGREGATE PETROGRAPHIC ANALYSIS	\$		IEGEL	103061
PIT NAME: MRT Sample #5	CW		ID#:	7000
DATE: Sept 22/03 FRACTION 19.0 - 9.3 mm ANAL 131.		1	GRANU	LAR &
TYDE	MASS	%	16.0 mm	TYPE B
			CORRE	CTION
No.				
1 [CARBONATE (nard; siny, nard)				
20 CARBONATE (surface weathered, sin, surface weathered, medianities, a system of the surface weathered of medium hard)				
2 CARBONATE (slightly cherty: <5%chert)				
23 MARBLE (hard or medium hard)				
3 CONGLOMERATE-SANDSTONE-ARKOSE (hard)				
22 CONGLOMERATE-SANDSTONE-ARKOSE (medium hard)				
6 GREYWACKE-ARGILLITE (hard or medium hard)				
4 GNEISS-AMPHIBOLITE -SCHIST (hard)	9	0.9		
5 OUARTZITE		00.4		
8 GRANITE-DIORITE-GABBRO (hard)	993	97.4		
7 VOLCANIC (hard)				
9 TRAP (<20% sulphide)	┨────┤		┟┨	
10 QUARTZ (vein or pegmatitic)	<u> </u>			
77 GYPSITE (<10% gypsum)	1002	98.2		
TOTAL GOOD AGGREGATE	1002	70.2	×2	
35 CARBONATE (soft; silty, soft; slightly shaley)			×2	
41 [CARBONATE (soft, pitted)	┼───┤			
42 [CARBONATE (deeply weathered; sitty, deeply weathered)			×2	
40 [CARBONATE (sandy, soπ)]			×2	
24 MARBLE (DILLE) 24 CUEPT CHEPTY CAPBONATE (<20% leached chert)			×2	
20 CONCLOMERATE-SANDSTONE-ARKOSE (brittle)			×2	
20 GREYWACKE (brittle)			×2	
52 ENCRUSTATION			×2	
25 GNEISS-AMPHIBOLITE-SCHIST (brittle)			×2	<u> </u>
34 ARGILLITE (medium soft)		<u> </u>	*2	3.5
27 GRANITE-DIORITE-GABBRO (brittle)	17.9	1.8	×2	5.5
28 VOLCANIC (soft)	17.0	18		
TOTAL FAIR AGGREGATE	17.9	1.0		
43 CARBONATE (shaley; clayey; silty, clayey)				
44 CARBONATE (ochreous; sandy, ochreous)			×3	
49 MARBLE (friable)			×5	
45 CHERT-CHERTY CARBONATE (>20% leached chert)	1	1	×3	
46 CONGLOMERATE-SANDSTONE-ARROSE (Induct)			×3	
56 SILISTONE			×3	L
53 CEMENTATION (paula)				
50 GNEISS-AMPHIBOLITE (friable)		<u> </u>	×3	
55 SCHIST (soft)		 	×3	<u> </u>
51 GRANITE-DIORITE-GABBRO (friable)		<u> </u>	+ ×3	
48 VOLCANIC (very soft, porous)			- ×3	╂
78 GYPSITE (gypsum 10 to 49%)	+	0.0	<u>+_^,</u>	<u> </u>
TOTAL POOR AGGREGATE		0.0		+
60 OCHRE		+		+
61 SHALE			+	1
62 CLAY		+	1	1
63 VOLCANIC-GNEISS-SCHIST (decomposed)	0	0.0		1
TOTAL DELETERIOUS AGGREGATE TOTAL	s 1019.9	100.0		3.5
09.2 × 1 09.2				
96.2 A 70.2				
$\frac{100}{100} = \frac{100}{100} = $				
$\frac{1}{10} \frac{1}{10} \frac$	EST. PE	RCENT CI	RUSHED	100
	EST. PE	RCENT FI	ATS &	-
	ELONG	ATED		- <5
HOT MIX SURFACE TREATMENT	CORRE	CTED GRA	ANULAR	100.0
AND CONCRETE P.N.	AND 16	.0 mm TYI	PEBP.N.	Lub: 20, 20
S/A 1.7-1 ISO 9001				July 30, 20

COARSE AGGREGATE PETROGRAPHIC ANALYSIS EGIE:: 103061 DATE: Sept 2203 FRACTION 19.0 - 9.5 mm ANALYST: CW DB::: 7000 NIC TYPE MASS % GRANULAR S GRANULAR S % GRANULAR S		TABLE 6				
TT NAME: MRT Sample 6 JECHT NAME: MRT Sample 6 JECHT NAME: 100001 ARTE, Sopt 2203 FRACTION 19.0 - 9.5 mm ANALYST: CW IDF: 7000 NAME TYPE MASS % IGR MULLAR & IGR MULLA		COARSE AGGREGATE PETROGRAPHIC ANA	LYSIS		mon	102061
TYPE TYPE MASS 96 GRANULAR & Iso nm TYPE N.1 CABEONATE (and, site, seathered, medium hard; sity, medium hard; 20 CAUDONATE (and) seathered; 20 CAUDONATE (and) seathered; 20 <td>PIT NA DATE:</td> <td>ME: MRT Sample #6 Sept 22/03 FRACTION 19.0 - 9.5 mm ANAL</td> <td>YST: CW</td> <td></td> <td>JEGEL: ID#:</td> <td>7000</td>	PIT NA DATE:	ME: MRT Sample #6 Sept 22/03 FRACTION 19.0 - 9.5 mm ANAL	YST: CW		JEGEL: ID#:	7000
TYPE TYPE MASS % 10.0 mm TYPE MASS % 10.0 mm TYPE CORRECTION 1 CANEDONATE (and), land or medium hard), ally, medium hard, ally, medium hard)					GRAN	ILAR &
No CARBONATE (rance weathered; situ, andree weathered; modum hard; sity, modum hard; COURRECTION 10 CARBONATE (rance weathered; situ, andree weathered; modum hard; sity, modum hard) - - - 11 CARBONATE (rance), site, andree weathered; modum hard; sity, modum hard; - - - - 12 CARBONATE (rance), site, andree weathered; modum hard; - - - - - 12 CARBONATE (rance), site, and and (rance) -	TYPE	ТҮРЕ	MASS	%	16.0 mm	I YPE B
I CARBONATE (andre sitty, undrice weathered; introdum faird; sitty, medium hard) Image: Construct (andre weathered; itty, undrice weathered; itty, medium hard) Image: Construct (andre weathered; itty, undrice weathered; itty, medium hard) Image: Construct (andre weathered; itty, andre weathered) Image: Construct (andre weathered) <thimage: (andre="" construct="" th="" weathered)<=""> <t< td=""><td>No.</td><td></td><td></td><td></td><td>CORRE</td><td>CTION</td></t<></thimage:>	No.				CORRE	CTION
0 CARBONATE (surface wathered; iff, surface wathered; medium hard)	1	CARBONATE (hard; silty, hard)				
2 CARBONATE (addy, land or medium hmd)	20	CARBONATE (surface weathered; silt, surface weathered; medium hard; suity, medium hard	1)			
11 CARBONATE (dipil) clerg: -SYREAT)	2	CARBONATE (sandy, hard or medium hard)				
33 MARKUE (and or medium http) 1 1 21 CONCLOMERATE-SANDSTONE-ARKOSE (medium http) 4 1 4 22 CONCLOMERATE-SANDSTONE-ARKOSE (medium http) 471.9 46.7 4 31 GRANTE-SANDSTONE-ARKOSE (medium http) 471.9 46.7 - 4 GREENS-AMPHIBOLTE -SCHIST (http) 314.1 30.9 - 5 QUARTZE Canson 46.7 - - 7 GYONCE (http) 56.97.7 - - - 7 GYONCE (http) 56.97.7 - - - - 10 QUARTE (obj. sith; soft, slight shatery) 56.97.7 -	21	CARBONATE (slightly cherty: <5%chert)				
3 CONCLOREATESANDSTOREARCOSE (medium hard) Image: Concent of the conc	23	MARBLE (hard or medium hard)				
22 CONSUME CARCINELTE (unit or medium hand) 47.1.9 46.7 4 GREYWACKE ARGIELTE (unit or medium hand) 47.1.9 46.7	3	CONGLOMERATE-SANDSTONE-ARKOSE (natu)				
4 ONERDSS-AMPHROLITE -SCHIST (hund) 411.9 46.7 5 OUARTITE-DORTE-GABBRO (hand) 514.1 50.9	6	GREYWACKE-ARGILLITE (hard or medium hard)				
5 OUARTZTE 514.1 50.9	4	GNEISS-AMPHIBOLITE -SCHIST (hard)	471.9	46.7		
8 ÖRANTE-DIORTE-GABRO (bask) 514.1 50.9	5	OUARTZITE				
7 VOLCANIC (bard)	8	GRANITE-DIORITE-GABBRO (hard)	514.1	50.9		
9 TEAP (-200% subplied)	7	VOLCANIC (hard)				
10 QUARTZ (vein or pegnatitic)	9	TRAP (<20% sulphide)				
7.7. GYI'STE (<10% gypesm)	10	QUARTZ (vein or pegmatitic)				
IDTAL GOUD AGERELATE 200 212 x2 31 CARBONATE (doi, pilly, soft, iightly shaley)	77	GYPSITE (<10% gypsum)		977	+	
35 CARBONATE (solt, sinty, solt, sinty shadey) - - - 41 CARBONATE (solt, sinty, solt, sinty, deply weathered) - - - 42 CARBONATE (solt, sinty, solt, sinty, deply weathered) - - - 42 CARBONATE (solt, sinty, solt, sinty, solt		TOTAL GOOD AGGREGATE	700	21.7	×2	
41 CARBONATE (seque) weathered; sily, deeply weathered)	35	CARBONATE (soft; sifty, soft; singnity snaley)			×2	
42. CARDONATE (source) realization of the set o	41	CARBONATE (soil, pillou)				
10 OARDOLL(brittle) 22 26 CHRET-CHERTY CARBONATE (<20% leached chert)	42	CARBONATE (deepity weathered, siny, deepity weathered)			×2	
1 1 22 23 26 CHRRT-CHERTY CARBONATE (<20% leached chert)	40	CANDONATE (saidy, son)			×2	
30 CONGLOMERATE-SANDSTONE-ARKOSE (brittle) x2 20 CREYWACKE (brittle) x2 x2 21 CREVWACKE (brittle) 19 x2 38 25 ENCRUSTATION 19 x2 38 26 ARGILLITE (medium soft) 19 x2 38 27 GRANTE-DIORITE-GABBRO (brittle) 4.5 0.4 x2 0.9 28 VOLCANIC (soft) 23.6 2.3 - <t< td=""><td>26</td><td>CHERT-CHERTY CARBONATE (<20% leached chert)</td><td></td><td></td><td>×2</td><td>L</td></t<>	26	CHERT-CHERTY CARBONATE (<20% leached chert)			×2	L
29 GREYWACKE (brittle) x2 20 ENCRUSTATION x2 21 ENCRUSTATION 19.1 1.9 x2 20 IDENS AMPHIBOLITE-SCHIST (brittle) 19.1 1.9 x2 3.8 34 ARGILLITE (medium soft) 4.5 0.4 x2 0.9 21 GRENTE-DIORITE-GABBRO (brittle) 4.5 0.4 x2 0.9 22 GARLTE-DIORITE-GABBRO (brittle) 23.6 2.3 - - 23 VOLCANIC (soft) 23.6 2.3 - - 43 CARBONATE (chaley; clayey; silly, clayey) - - - - 44 CARBONATE (chaley; clayey, silly, clayey) - - - - - 45 CHERT-CHERTY CARBONATE (clayer, standy, oclarous) - </td <td>30</td> <td>CONGLOMERATE-SANDSTONE-ARKOSE (brittle)</td> <td></td> <td></td> <td>×2</td> <td></td>	30	CONGLOMERATE-SANDSTONE-ARKOSE (brittle)			×2	
52 ENCRUSTATION 1<	29	GREYWACKE (brittle)			×2	
25 GNEISS-AMPHIBOLITE-SCHIST (decomposed) 19,1 10,1 10,1 10,1 10,1 10,1 10,1 10,1 10,1 10,1 10,1 10,1 10,1 10,1 10,	52	ENCRUSTATION			×2	2.9
34 ARGILLTE (medium soft) 4.5 0.4 \$2 0.9 27 GRANITE-DIORITE-GABBRO (brittle) 4.5 0.4 \$2 0.9 28 VOLCANIC (soft) 23.6 2.3 - - 43 CARBONATE (shaley, clayey, sily, clayey) - - - - 44 CARBONATE (shaley, clayey, sily, clayey) - - - - 45 CHERT-CHERTY CARBONATE (>20% leached chert) - ×3 - 45 CHERT-CHERTY CARBONATE (>20% leached chert) - ×3 - 46 CORGLOMERATE-SANDSTONE-ARKOSE (friable) - ×3 - 56 SILTSTONE - ×3 - 53 CEMENTATION (partial) - ×3 - 54 CEMENTATION (total) - ×3 - 55 SCHIST (soft) - ×3 - 56 SILTSTONE - ×3 - 57 CEMENTATION (partial) - ×3 - 56 SILTSTONE - ×3 - 57 SCHIST (soft) - ×3 - 58 SCHIST (soft) - ×3 -	25	GNEISS-AMPHIBOLITE-SCHIST (brittle)	19.1	1.9	×2 ×2	5.0
27 GRANTE-DIORTE-GABBRO (brittle) 1 ×2 1 28 VOLCANIC (soft) 23.6 2.3 1 41 CARBONATE (shaley, clayey, sily, clayey) 1 1 1 44 CARBONATE (shaley, clayey, sily, clayey) 1 1 1 44 CARBONATE (shaley, clayey, sily, clayey) 1 1 1 44 CARBONATE (shaley, clayey, sily, clayey) 1 1 1 44 CARBONATE (shaley, clayey, sily, clayey) 1 1 1 44 CARBONATE (shaley, clayey, sily, clayey) 1 1 1 44 CARBONATE (shaley, clayey, sily, clayey) 1 1 1 44 CARBONATE (shale) 1 1 1 45 CHERT-CHERTY CARBONATE (>20% leached chert) 1 1 1 46 CORGLOMERATEANDN (partial) 1 1 1 51 GRNITE-DORITE-GABBRO (friable) 1 1 1 52 SCHIST (soft) 1 1 1 1 53 SCHIST (soft) 1 1 1 1 54 CEMENTATION (partial) 1 1 1 1 55 SCHIST (soft) 1	34	ARGILLITE (medium soft)	4.5	0.4	×2	0.9
28 VOLCANIC (soft) 23.6 2.3	27	GRANITE-DIORITE-GABBRO (brittle)	4.5	01	×2	
IOTAL FAIR ACOREDATE Dot Image: Construction of the second secon	28		23.6	2.3		
43 CARBONATE (shaley, andy, colreous) 44 CARBONATE (chrous, sandy, colreous) ×3 45 CHERT-CHERTY CARBONATE (>20% leached chert) ×3 46 CONCLOMERATE-SANDSTONE-ARKOSE (friable) ×3 56 SILTSTONE ×3 53 CEMENTATION (partial) ×3 54 CEMENTATION (chal) ×3 55 SCHIST (soft) ×3 56 SILTSTONE ×3 57 CEMENTATION (partial) ×3 58 SCHIST (soft) ×3 59 GNESS-AMPHBOLITE (friable) ×3 51 GRANITE-DIORITE-GABBRO (friable) ×3 51 GRANITE-DIORITE-GABBRO (friable) ×3 70 GYPSITE (gypsum 10 to 49%) ×3 71 TOTAL POOR AGGREGATE 0 0.0 61 SHALE 62 CLAY 63 VOLCANIC (very soft, porous) 70 Matter of the soft of the		CARRONATE (abalaur aleveur silty claveu)				
44 CARBOLANTE (control basic), control basic) x3 45 CHERT-CHERTY CARBONATE (>20% leached chert) x3 46 CONCLOMERATE-SANDSTONE-ARKOSE (friable) x3 56 SILTSTONE x3 51 CEMENTATION (partial) x3 54 CEMENTATION (total) x3 55 SCHIST (soft) x3 56 SILTSTONE x3 51 GRANITE-DORITE (friable) x3 55 SCHIST (soft) x3 51 GRANITE-DORITE-GABBRO (friable) x3 51 GRANITE-DORITE-GABBRO (friable) x3 53 SCHIST (soft) x3 78 VOLCANIC (very soft, porous) x3 78 GYPSITE (gypsum 10 to 49%) x3 60 OCCHRE 0 0.0 61 SHALE - - 62 CLAY - - 63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 - 70 Y 97.7 Y 97.7 % GOOD 97.7 1	43	CARBONATE (shaley, claycy, shiy, claycy)				
10 MILBORY CARBONATE (>20% leached chert) x5 45 CHERT-CHERTY CARBONATE (>20% leached chert) x3 46 CONGLOMERATE-SANDSTONE-ARKOSE (friable) x3 56 SILTSTONE x3 57 CEMENTATION (partial) x3 54 CEMENTATION (total) x3 54 CEMENTATION (total) x3 55 SCHIST (soft) x3 56 SILTSTONE (very soft, porous) x3 57 GYPSITE (gypsum 10 to 49%) x3 58 CHAR 0 0.0 60 OCHRE x3	44	MARBLE (friable)			×3	
10 CONGLOMERATE-SANDSTONE-ARKOSE (friable) x3 56 SILTSTONE x3 53 CEMENTATION (partial) x3 54 CEMENTATION (total) x3 55 SCHIST (soft) x3 51 GRANITE-DIORITE-GABBRO (friable) x3 51 GRANITE-DIORITE-GABBRO (friable) x3 71 GVPSITE (gypsum 10 to 49%) x3 78 GYPSITE (gypsum 10 to 49%) x3 70 TOTAL POOR AGGREGATE 0 0.0 60 OCHRE	45	CHERT-CHERTY CARBONATE (>20% leached chert)			×5	
56 SILTSTONE x3 53 CEMENTATION (parial) x3 54 CEMENTATION (total) x3 50 GNEISS-AMPHIBOLITE (friable) x3 51 GRANITE-DIORITE-GABBRO (friable) x3 51 GRANITE-DIORITE-GABBRO (friable) x3 51 GRANITE-DIORITE-GABBRO (friable) x3 61 SHALE x3 70 TOTAL POOR AGGREGATE 0 61 SHALE 2 62 CLAY 2 63 VOLCANIC-GNEISS-SCHIST (decomposed) 2 70 TOTAL DELETERIOUS AGGREGATE 0 0.0 62 CLAY 2 2 63 VOLCANIC-GNEISS-SCHIST (decomposed) 2 2 70 TOTAL DELETERIOUS AGGREGATE 0 0.0 4.7 % GOOD 97.7 × 1 97.7 % FAIR 2.3 × 3 7.0 % POOR 0.0 × 6 0.0 % POOR 0.0 × 10 0.0 % POOR 0.0 ×	46	CONGLOMERATE-SANDSTONE-ARKOSE (friable)			×3	
53 CEMENTATION (partial) x3 54 CEMENTATION (total) x3 50 GNEISS-AMPHIBOLITE (friable) x3 51 GRANITE-DIORITE-GABBRO (friable) x3 51 GRANITE-DIORITE-GABBRO (friable) x3 78 VOLCANIC (very soft, porous) x3 78 GVYPSITE (gypsum 10 to 49%) x3 60 OCHRE 0 0.0 61 SHALE x3 62 CLAY x3 78 VOLCANIC-OREISS-SCHIST (decomposed) x3 70 TOTAL DELETERIOUS AGGREGATE 0 0.0 62 CLAY x3 63 VOLCANIC-OREISS-SCHIST (decomposed) 70 Y6 GOOD 97.7 × 1 97.7 % GOOD 97.7 × 1 97.7 % FAIR 2.3 × 3 7.0 % POOR 0.0 × 10 0.0 % DELETERIOUS 0.0 × 10 0.0 % OOD 97.7 × 1 97.7 % FAIR 2.3 × 3 7.0 % POOR 0.0 × 10 0.0 % DELETERIOUS 0.0 × 10 0.0	56	SILTSTONE			×3	<u> </u>
54 CEMENTATION (total) x3 x3 50 GREISS-AMPHIBOLITE (friable) x3 x3 55 SCHIST (soft) x3 x3 51 GRANITE-DIORITE-GABBRO (friable) x3 x3 78 GYPSITE (gypsum 10 to 49%) x3 x3 78 GYPSITE (gypsum 10 to 49%) x3 x3 70 TOTAL POOR AGGREGATE 0 0.0 x3 60 OCHRE 0 0.0 0 0 61 SHALE 0 0.0 0 0 62 CLAY 0 0.0 0 0 0 63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 0 0 0 74 TOTAL DELETERIOUS AGGREGATE 0 0.0 4.7 75 GROD 97.7 ×1 97.7	53	CEMENTATION (partial)			×3	
50 GNEISS-AMPHIBOLITE (friable) - <t< td=""><td>54</td><td>CEMENTATION (total)</td><td></td><td></td><td></td><td>┼</td></t<>	54	CEMENTATION (total)				┼
55 SCHIST (soft)	50	GNEISS-AMPHIBOLITE (friable)			x3	+
51 GRANTE-DIORITE-GABBRO (maile) x3 48 VOLCANIC (very soft, porous) x3 78 GYPSITE (gypsum 10 to 49%) 0 0.0 60 OCHRE 0 0.0 0 61 SHALE 0 0.0 0 62 CLAY 0 0.0 0 63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 0 63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 0 75 Ye GOOD 97.7 × 1 97.7 97.7 % GOOD 97.7 × 1 97.7 97.7 97.7 % FAIR 2.3 × 3 7.0 97.7 97.7 % FOOR 0.0 × 10 0.0 EST. PERCENT CRUSHED 100 % DOL 97.7 × 1 97.7	55	SCHIST (soft)			×3	1
48 VOLCANIC (very soit, porous) x3 78 GYPSITE (gypsum 10 to 49%) 0 0.0 60 OCHRE 0 0.0 0 60 OCHRE 0 0.0 0 61 SHALE 0 0 0.0 0 62 CLAY 0 0.0 0 0 63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 0 0 63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 0 0 64 TOTAL DELETERIOUS AGGREGATE 0 0.0 4.7 % GOOD 97.7 × 1 97.7	51	IGRANITE-DIORITE-GABBRO (triable)			×3	1
TOTAL POOR AGGREGATE 0 0.0	48	CVDSITE (very soil, porous)		1	×3	
60 OCHRE	- 18	TOTAL POOR ACCREGATE	0	0.0		
61 SHALE	60	ICHRE				ļ
62 CLAY	61	SHALE				
63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 0 0.0 TOTAL DELETERIOUS AGGREGATE 0 0.0 4.7 % GOOD 97.7 × 1 97.7 % FAIR 2.3 × 3 7.0 % POOR 0.0 × 6 0.0 % DELETERIOUS 0.0 × 10 0.0 HOT MIX, SURFACE TREATMENT 104.7 IO4.7 IO0.0 S/A 1.7-1 ISO 9001 July 30, 2	62	CLAY		ļ		<u> </u>
TOTAL DELETERIOUS AGGREGATE 0 0.0 4.7 '' GOOD 97.7 × 1 97.7	63	VOLCANIC-GNEISS-SCHIST (decomposed)				
TOTALS 1009.6 100.0 4.7 % GOOD 97.7 × 1 97.7 <		TOTAL DELETERIOUS AGGREGATE	0	0.0		47
% GOOD 97.7 × 1 97.7 % FAIR 2.3 × 3 7.0 % POOR 0.0 × 6 0.0 % DELETERIOUS 0.0 × 10 0.0 HOT MIX, SURFACE TREATMENT 104.7 104.7 S/A 1.7-1 ISO 9001 July 30, 2		<u>1</u>	UTALS 1009.6	1 100.0		<u> </u>
% GOOD 97.7 × 1 97.7 % FAIR 2.3 × 3 7.0 % POOR 0.0 × 6 0.0 % DELETERIOUS 0.0 × 10 0.0 HOT MIX, SURFACE TREATMENT 104.7 Indext for the second se						
% FAIR 2.3 × 3 7.0 % POOR 0.0 × 6 0.0 % DELETERIOUS 0.0 × 10 0.0 HOT MIX, SURFACE TREATMENT 104.7 104.7 AND CONCRETE P.N. 104.7 ISO 9001 July 30, 2	% GOO	D 97.7 × 1 97.7				
% POOR 0.0 × 6 0.0 % DELETERIOUS 0.0 × 10 0.0 EST. PERCENT CRUSHED 100 % DELETERIOUS 0.0 × 10 0.0 EST. PERCENT CRUSHED 100 HOT MIX, SURFACE TREATMENT 104.7 104.7 CORRECTED GRANULAR AND CONCRETE P.N. 100.0 S/A 1.7-1 ISO 9001 July 30, 2	% FAIR	$2.3 \times 3 \qquad 7.0$				
W DELETERIOUS 0.0 A 10 0.0 HOT MIX, SURFACE TREATMENT AND CONCRETE P.N. 104.7 104.7 S(A 1.7-1) ISO 9001 July 30, 2	% POO	R U.U × 6 U.U	EST PER	CENT C	RUSHED	100
HOT MIX, SURFACE TREATMENT AND CONCRETE P.N. S/A 1 7-1 IO4.7	% DEL	ETERIOUS U.U × IU U.V	EST. PER	CENT FI	ATS &	1
HOT MIX, SURFACE TREATMENT AND CONCRETE P.N. S/A 1 7-1 IO4.7			ELONG	TED		<5
Information Information Information Information AND CONCRETE P.N. 104.7 AND 16.0 mm TYPE B P.N. Information S/A 1 7-1 ISO 9001 July 30, 2	HOTM	TY SURFACE TREATMENT	CORREC	TED GR	ANULAR	100.0
S/A 1 7-1 ISO 9001 July 30, 2		ONCRETE P N	AND 16.	0 mm TYI	PE B P.N.	100.0
	S/A 1 7-	I ISO 9001				July 30, 20

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	TABLE7				1
	COARSE AGGREGATE PETROGRAPHIC ANALYS	IS			
	OTHER PRODUCTION AND A DEC			JEGEL:	103061
PIT NA	ME: MK1 Sample #/ $EP ACTION 10.0 - 0.5 mm$ ANALYST	CW		ID#:	7000
DATE:	Sept 22/03 FRACTION 19.0 - 9.5 mm ANALTON	<u>'_</u> T	T	GRANU	LAR &
		MASS	%	16.0 mm '	TYPE B
TYPE	TYPE	INTY 22	10	CORRE	CTION
No.					<u></u>
1	CARBONATE (hard; silty, hard)				
20	CARBONATE (surface weathered; silt, surface weathered; medium hard; silty, medium hard)				
2	CARBONATE (sandy, hard or medium hard)				
21	CARBONATE (slightly cherty: <5%chert)				
- 27	MARBLE (hard or medium hard)				
23	CONCLONED ATE SANDSTONE ARKOSE (hard)				
3	CONGLOMERATE SANDSTONE ARKOSE (medium hard)				
22	CONGLOMERATE-SARDSTONE-ARROSE (modelin hard)				
6	GREYWACKE-ARGILLITE (hard of medium hard)	77.8	7.5		
4	GNEISS-AMPHIBOLITE -SCHIST (nard)	34.3	3.3		
5	QUARTZITE	919.4	88.3		
8	GRANITE-DIORITE-GABBRO (hard)				
7	VOLCANIC (hard)				
9	TRAP (<20% sulphide)				
10	QUARTZ (vein or pegmatitic)				
77	GYPSITE (<10% gypsum)	1021.6	00.1	┠────┤	
<u> </u>	TOTAL GOOD AGGREGATE	1031.5	99.1		
35	CARBONATE (soft; silty, soft; slightly shaley)				
41	CARBONATE (soft, pitted)			×2	
42	CARBONATE (deeply weathered: silty, deeply weathered)				
42	CARDONATE (south soft)			×2	
40	CANDONATE (Sandy, Son)			×2	
24	MARBLE (DIMIC)			×2	
20	CHERT-CHERTT CARDONALE (2011 Reading direct)			×2	
30	CUNGLUMERATE-SANDSTONE-ARCOSE (GIMIO)			×2	
29	GREY WACKE (britte)			×2	
52	ENCRUSTATION			×2	
25	GNEISS-AMPHIBOLITE-SCHIST (brittle)			×2.	
34	ARGILLITE (medium soft)	97	0.9	×2	1.9
27	GRANITE-DIORITE-GABBRO (brittle)			×2	
28	VOLCANIC (soft)	07	0.9		
	TOTAL FAIR AGGREGATE			+	
43	CARBONATE (shaley; clayey; silty, clayey)		+		<u> </u>
44	CARBONATE (ochreous; sandy, ochreous)			×3	
49	MARBLE (friable)		+		
45	CHERT-CHERTY CARBONATE (>20% leached chert)				╂
46	CONGLOMERATE-SANDSTONE-ARKOSE (friable)		<u> </u>	×3	
56	SILTSTONE			×3	╂
52	CEMENTATION (partial)			×3	↓
55	CEMENTATION (pania)				<u> </u>
54	CEMENTATION (IOIa)			×3	<u></u>
50				×3	
55	SCHIST (SOIL)			×3	<u> </u>
51			1	×3	
48	VOLCANIC (very soit, porous)		1	×3	
78	GYPSITE (gypsum 10 to 49%)	0	0.0		
	TOTAL POOR AGGREGATE	_ <u>+_</u>	1	1	T
60	OCHRE			+	1
61	SHALE		+		1
62	CLAY				
63	VOLCANIC-GNEISS-SCHIST (decomposed)			+	+
<u></u>	TOTAL DELETERIOUS AGGREGATE	0	0.0		10
	TOT	ALS 1041.2	100.0		1 1.9
N 000	00 I × 1 99.1				
% GUC					
% FAI	K U.Y × 3 4.0				
% POC)R 0.0 × 6 0.0	EST PF	RCENT CI	RUSHED	100
% DEL	ETERIOUS 0.0 × 10 0.0	FST DE	RCENT FI	ATS &	1
		ELONG	ATED		<5
		ELUNG	CTED OD		+
HOTN	AIX, SURFACE TREATMENT	CORRE		DEDDM	100.0
AND	CONCRETE P.N.	AND IC	SUMM I YI	EDT.N.	Luby 20-20
S/A 1 "	ISO 9001				Jury 30, 20
3/A I./	- L				

		T.	ABLE 8				
	COARSE AGO	GREGATE	PETROGRAPHIC ANALYSI	s			1
DITENTA	MDT Sample #8					JEGEL:	103061
DATE	Sept 22/03 FRACTION 19.	0 - 9.5 mr	m ANALYST:	CW		ID#:	7000
DATE.	50/12/105					GRANU	LAR&
TYPE	TYP	Ε		MASS	%	16.0 mm	TYPE B
No						CORRE	CTION
1	CARBONATE (hard; silty, hard)						
20	CARBONATE (surface weathered; silt, surface we	thered; med	ium hard; silty, medium hard)				
2	CARBONATE (sandy, hard or medium hard)						
21	CARBONATE (slightly cherty: <5%chert)						
23	MARBLE (hard or medium hard)			++			
3	CONGLOMERATE-SANDSTONE-ARKOSE (hard	l)					
22	CONGLOMERATE-SANDSTONE-ARKOSE (med	lium hard)		┼───┼			
6	GREYWACKE-ARGILLITE (hard or medium hard))	·····	16.6	4.4		
4	GNEISS-AMPHIBOLITE -SCHIST (hard)			17.4	1.4		
5	QUARTZITE			995.8	93.5		
8	GRANITE-DIORITE-GABBRO (hard)			775.0			
7	VOLCANIC (hard)			+			
<u> </u>	TRAP (<20% sulplide)						
10	QUARTZ (vein or pegnature)						
	TOTAL COOD ACGREGATE			1059.8	99.5		
25	CARBONATE (soft: silty_soft: slightly shaley)					×2	
41	CARBONATE (soft, nitted)					×2	
42	CARBONATE (deeply weathered; silty, deeply wea	athered)					
40	CARBONATE (sandy, soft)					×2	
24	MARBLE (brittle)					×2	
26	CHERT-CHERTY CARBONATE (<20% leached	chert)				×2 ×2	
30	CONGLOMERATE-SANDSTONE-ARKOSE (brit	itle)		_		×2	
29	GREYWACKE (brittle)					×2	
52	ENCRUSTATION					×2	
25	GNEISS-AMPHIBOLITE-SCHIST (brittle)					×2	
34	ARGILLITE (medium soft)			5.6	0.5	×2	1.1
27	GRANITE-DIORITE-GABBRO (brittie)					×2	
28		<u> </u>		5.6	0.5		
42	CADDONATE (chaley: clayey: silty clayey)						
43	CARBONATE (shaley, eldyey, shay, edge)						Į
49	MARBLE (friable)					×3	
45	CHERT-CHERTY CARBONATE (>20% leached	chert)				×5	
46	CONGLOMERATE-SANDSTONE-ARKOSE (fria	able)			ļ	×3	
56	SILTSTONE					×3	<u> </u>
53	CEMENTATION (partial)					<u></u>	
54	CEMENTATION (total)					×3	
50	GNEISS-AMPHIBOLITE (friable)					×3	
55	SCHIST (soft)					×3	1
51	GRANITE-DIORITE-GABBRO (friable)				1	×3	
48	VOLCANIC (very soft, porous)				1	×3	
78	GYPSITE (gypsum 10 to 49%)	<u></u>		0	0.0		
	IOTAL POOK AGGREGATE						<u> </u>
<u>60</u> <u>61</u>	SHALE						
62	CLAY				ļ		<u> </u>
63	VOLCANIC-GNEISS-SCHIST (decomposed)				<u> </u>		
	TOTAL DELETERIOUS AGGREGATE			0	0.0		ļ
			TOTA	LS 1065.4	100.0		1 1.1
% GOC	DD 99.5 × 1	99.5					
% FAII	α 0.5 × 3	1.6					
% POC	0.0 × 6	0.0		DOT DE	DCENTO	USHED	100
% DEL	ETERIOUS 0.0 × 10	0.0		ESI. PE	RCENT FI	ATS &	+
				EST. PE	ATED		<5
			1	COPPE	CTED GR4	NULAR	1.000
HOT N	IIX, SURFACE TREATMENT	101.1		AND 16	0 mm TYF	EBP.N.	100.0
AND C	CONCRETE P.N.		100 0001	<u></u>			July 30, 200
S/A 1.7	-1		190 3001				

COARSE AGGREGATE PETROGRAPHIC ANALYSIS FIGEL: 1936 DIT NAME: MRT Sample #9 FRACTION 19.0 - 9.5 mm ANALYSI: CW TOTAL: Sept 2003 TYPE ANALYSI: CW CORRECTOR No. CORRECTOR CORRECTOR CORRECTOR (end), and) CORRECTOR CORRECTOR (end), and) CORRECTOR CORRECTOR (end), and (end) hard, silly, medium hard) CORRECTOR CORRECTOR (end), medium hard) CORRECTOR CORRECTOR (end) CORRECTOR CORRECTOR (end) CORRECTOR CORRECTOR (end) CORRECTOR (End) CORRECTOR (End)			T	ABLE 9				1
PHTNAME: MRT Sample #9 FRACTION 19.0 - 9.5 mm ANALYST: CW FIGE: 10306 DATE: Sept 2203 FRACTION 19.0 - 9.5 mm ANALYST: CW GRANULAR & TYPE MASS % GRANULAR & ADDITIO: Sept 2003 FRACTION 19.0 - 9.5 mm ANALYST: CW GRANULAR & ADDITIO: Sept 2003 FRACTION 19.0 - 9.5 mm ANALYST: CW GRANULAR & ADDITIO: Sept 2003 FRACTION 19.0 - 9.5 mm ANALYST: CW GRANULAR & ADDITIO: Sept 2003 FRACTION 19.0 - 9.5 mm ANALYST: CW GRANULAR & ADDITIO: Sept 2003 FRACTION 19.0 - 9.5 mm ANALYST: CW GRANULAR & ADDITIO: Sept 2003 FRACTION 19.0 - 9.5 mm FRACTION 19.0 - 9.5 mm FRACTION 19.0 - 9.5 mm 2 CONGLOMERATESANDSTONE ARXOSS (fund) FRACTION 19.0 - 9.5 mm FRACTION 19.0 - 9.5 mm FRACTION 19.0 - 9.5 mm 3 CONCIONERATESANDSTONE ARXOSS (fund) FRACTION 19.0 - 9.5 mm 3 CONCIONERATESANDSTONE ARXOSS (funding) FRACTION 19.0 - 9.5 mm FRACTION 19.5 mm FRACTION 19.5 mm FRACTION 19.5 mm 3 CONCIONERATESANDSTONE A		COARSE AGO	REGATE	PETROGRAPHIC ANALYSIS	,			
DATE: EPRACTION 19.0-9.5 mm ANALYST: CW DB/T 2000 TYPE TYPE MASS % GRANULARS % GR	PIT NA	ME: MRT Sample #9					JEGEL:	103061
TYPE TYPE MASS % GRADUARCE No. CARBONATE (and, sith, wathered, indiam hard, sithy, mediam hard, sithy, mediam hard, sith, si	DATE:	Sept 22/03 FRACTION 19.0	0 - 9.5 mi	n ANALYST: C	<u>w</u>		ID#:	7000
TYPE TYPE MASS % 60 on mit TYPE consection No. CAREONATE (purpt; site, hend) Consection Consection Consection 20 CAREONATE (purpt; site, hend) Consection Consection Consection 21 CAREONATE (purpt; site, structure; structur							GRANU	
No. CORRECT ID 1 CARBONATE (und, silp, lund) Correct ID 20 CARBONATE (und, surface weathered, inclum hard, sily, uncdum hard) Image: Correct ID 21 CARBONATE (und, surface weathered, inclum hard) Image: Correct ID 21 CARBONATE (und, surface weathered, inclum hard) Image: Correct ID 21 CARBONATE (und, surface weathered, inclum) Image: Correct ID 21 CARBONATE (und, surface weathered, inclum) Image: Correct ID 21 CARBONATE (und, surface weathered, inclum) Image: Correct ID 31 CONCLOMERATE-SANDSTOM-RAKOSE (hard) Image: Correct ID 41 COREXPWACES-ARGULTT: Clust or medium hard) Image: Correct ID 41 COREXPUEDORTE-CARBINO (hard) IDS32 95.7 7 VOUCANC (lund) IDS32 95.7 Image: Correct ID 7	TYPE	ТҮРІ	Ξ	L I	MASS	%	16.0 mm	I Y PE B
1 CARBONATE (and ally, hard)	No.						CORREC	CTION
100 CARRONATE (augutance veralisered); sill, surface veralisered; unclaum hard) 1 1 21 CARRONATE (augutance veralisered); unclaum hard) 1 <td< td=""><td>1</td><td>CARBONATE (hard; silty, hard)</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	1	CARBONATE (hard; silty, hard)						
2 CARDONATE (andy), hard a medium hard)	20	CARBONATE (surface weathered; silt, surface weat	hered; med	ium hard; silty, medium hard)				
1 CARRONATE (dipluy chery, <5%chr)	2	CARBONATE (sandy, hard or medium hard)						
23 MARDLE find or medium hand)	21	CARBONATE (slightly cherty: <5%chert)						
3 CONCLOMERATE SANDSTONE-ARKOSE (medium hard)	23	MARBLE (hard or medium hard)						
22 CONCLOMERATE-SANDSTONE-ARROSE (madium hard) 44.7 4.1 - 4 ONERS-AMPHBOLITE-SCHIST (bard) 44.7 4.1 - 5 OLARCENARGULTE (stard or medium hard) 1053.2 95.7 - 5 OLARTZTE - - - - 7 VOLCANIC (stard) 1053.2 95.7 - - 7 VOLCANIC (stard) 1097.9 99.8 - - 7 OVACANIE (stard) weathered, sity, deeply weathered, - - - - 10 CUARTZ (rein or pregnantile) - - - - - 11 CARBONATE (stard), stor, displiy (disply) -	3	CONGLOMERATE-SANDSTONE-ARKOSE (hard)					
6 CREYWACKE ARGULTTE (hard or medium bard) 44.7 4.1	22	CONGLOMERATE-SANDSTONE-ARKOSE (med	ium hard)				+	
4 ONERS AMPHIBOLITE -SCHET (bard) 947.7 97.7 - 5 QUARTZTE - </td <td>6</td> <td>GREYWACKE-ARGILLITE (hard or medium hard)</td> <td></td> <td></td> <td>44.7</td> <td>4.1</td> <td></td> <td></td>	6	GREYWACKE-ARGILLITE (hard or medium hard)			44.7	4.1		
S OUARTZITE 1053.2 95.7	4	GNEISS-AMPHIBOLITE -SCHIST (hard)			44.7	4.1		
8 CRANTE-DIORTE-CABBRO (hand) 1000000000000000000000000000000000000	5	QUARTZITE			1053.2	957		
7 VOLCANIC (stad) Image: constraint of pegnatitics) Image: constraint of pegnatitics) 10 OUARTZ (win or pegnatitics) Image: constraint of pegnatitics) Image: constraint of pegnatitics) 7 OFYSITE (constraint of pegnatitics) Image: constraint of pegnatitics) Image: constraint of pegnatitics) 31 CARBONATE (constraint of pegnatitics) Image: constraint of pegnatitics) Image: constraint of pegnatitics) 32 CARBONATE (constraint of pegnatitics) Image: constraint of pegnatitics) Image: constraint of pegnatitics) 31 CARBONATE (constraint of pegnatitics) Image: constraint of pegnatitics) Image: constraint of pegnatitics) 32 CARBONATE (constraint of pegnatitics) Image: constraint of pegnatitics) Image: constraint of pegnatitics) 34 CARBONATE (constraint of pegnatitics) Image: constraint of pegnatitics) Image: constraint of pegnatitics) 35 CARBONATE (constraint of pegnatitics) Image: constraint of pegnatitics) Image: constraint of pegnatitics) 36 CARBONATE (constraint of pegnatitics) Image: constraint of pegnatitics) Image: constraint of pegnatitics) 37 CARBONATE (constraint of pegnatitics) Image: constraint of peg	8	GRANITE-DIORITE-GABBRO (hard)			1035.2	75.1		
9 T.AP (<20% subjector)	7	VOLCANIC (hard)						
10 [UUAR1 / (ven or pegnature) ID ID TOTAL GOOD AGCREGATE ID97.9 99.8 ID 31 CARBONATE (soft, spirod) ID 2 42 CARBONATE (soft, spirod) ID 2 43 CARBONATE (soft, spirod) ID 2 44 CARBONATE (soft, spirod) ID 2 45 CARBONATE (soft, spirod) ID 2 46 CARBONATE (soft, spirod) ID 2 47 CARBONATE (soft, spirod) ID 2 48 CARBONATE (soft, spirod) ID 2 49 CARBONATE (soft, spirod) ID 2 40 CARBONATE (soft, spirod) ID 2 41 CARBONATE (soft, spirod) ID 2 42 CARBONATE (soft, spirod) ID 2 43 CARBONATE (soft, spirod) ID 2 44 CARBONATE (soft, spirod) ID 2 45 CHRET/CHERTY CARBONATE (soft, spirod) ID 2 46 CARBONATE (soft, spirod) ID ID 47 GRANTE-SORGEGATE 2 0.2 48 CARBONATE (soft, spirod) ID ID 49 <t< td=""><td>9</td><td>T AP (<20% sulphidc)</td><td></td><td></td><td></td><td></td><td> </td><td></td></t<>	9	T AP (<20% sulphidc)						
17 CYPSILE (<10% gppsun)	10	QUARTZ (vein or pegmatitic)						
IDTAL GOOD ADSTREEMALE x2 3C CARBONATE (cont, pitted) x2 41 CARBONATE (cont, pitted) x2 42 CARBONATE (cont, pitted) x2 44 CARBONATE (cont, pitted) x2 45 CARBONATE (cont, pitted) x2 46 CARBONATE (cont, pitted) x2 47 CARBONATE (cont, pitted) x2 48 CONLOMERATE SANDSTONE-ARKOSE (brintle) x2 49 CONSTACKE (brintle) x2 40 CONLOMERATE SANDSTONE-ARKOSE (brintle) x2 50 CONSTACKE (brintle) x2 51 CONSTACKE (brintle) x2 52 DENCESTAMPHIBOLITE-SCHIST (brintle) x2 53 CARBONATE (cont, pitte) x2 54 VOLCANCE (cont) x2 55 CORRECTE CONTRECTE 2.6 0.2 56 SUTSTONE x3 0.2 56 SUTSTONE x3 0.2 56 SUTSTONE x3 0.2	77	GYPSIIE (<10% gypsum)			1097.9	99.8		
33 CARBONATE (soft, sinty, soft, sinty, deeply weathered) x2 42 CARBONATE (soft, sinty, deeply weathered) x2 44 CARBONATE (soft, soft), soft, deeply weathered) x2 46 CARBONATE (soft, soft), soft, soft) x2 47 CARBONATE (soft), soft), soft x2 48 CARBONATE (soft), soft, soft) x2 49 MARBLE (oritid) x2 20 GREYWACKE (brittle) x2 21 EINCRUSTATION x2 22 EINCRUSTATION x2 23 ARGILITE (notifitie) x2 24 MARBLE (finitle) x2 25 EINCRUSTATION x2 26 OLZ x2 27 GRANITE-CLORITE-CABBRO (brittle) x2 28 WOLCANIC (soft) x2 29 GARBONATE (soft), soft, soft, soft, soft) x3 29 MARBLE (finible) x3 41 CARBONATE (soft), soft, soft, soft) x3 42 CHERT-CHERY CARBONATE (soft) x3 43 CHERT-CHERY CARBONATE (soft) x3		A DDONATE (200) AGGREGATE	<u></u>				×2	
-1 CARBONATE (dec) weathered; silty, decply weathered) x2 40 CARBONATE (dec) weathered; silty, decply weathered) x2 41 CARBONATE (south, soft) x2 42 CARBONATE (south, soft) x2 44 MARBLE (britite) x2 30 CONELOMERATE-SANDSTONE-ARKOSE (britte) x2 31 CONSUMMERATE-SANDSTONE-ARKOSE (britte) x2 32 GREPWACKE (initite) x2 33 CONSUMMERATE-SANDRIBOLITE-SCHIST (britte) x2 34 ARGILLITE (medium soft) x2 35 CONSUMMERAGERATE 2.6 0.2 x2 34 ARGILLITE (conf) 2.6 0.2 x2 35 CONSUMMER (shaley: charger, shity, clayey) .6 0.2 x2 44 CARBONATE (shaley: charger, shity, clayey) .6 0.2 x3 45 CHERT-CHERTY CARBONATE (20% leached dien) x3 .7 .7 45 CHERT-CHERTY CARBONATE (20% leached dien) x3 .7 .7 46 CONO	35	CARBONATE (soft, sity, soft, singhty sited)					×2	
4.2 CARBONATE (andy, soft) x2 24 MARBLE (brittle) x2 26 CHERT-CHERTY CARBONATE (<20% leached chert)	41	CARBONATE (son, pincu)	thered)					
40 DAUGO MULTICARDONATE (<20% leached chert)	42	CARBONATE (accept weathered, sitty, deept)					×2	
ACCOUNT CAREONATE (-20% leached chert) x2 30 CONGLOMERATE-SANDESTONE-ARKOSE (brittle) x2 31 CONGLOMERATE-SANDESTONE-ARKOSE (brittle) x2 32 GRESS-AMPHIBOLTE-SCHIST (brittle) x2 34 AROLLITE (medium soft) x2 35 GRANTE-DIORITE-GABBRO (brittle) 2.6 0.2 36 CARBONATE (challey clarby) sity, claysy) 2.6 0.2 36 CARBONATE (challey clarby) sity, claysy) 2.6 0.2 37 TOTAL FAIR AGGREGATE 2.6 0.2 40 MARBLE (finible) x3 - 41 CARBONATE (clarbous, sandy, ochrous) x3 - 42 CONGLOMERATE-SANDSTONE-ARKOSE (finible) x3 - 56 SILTSTONE x3 - 51 GRANTE-CHERTY CARBONATE (clarbous, sandy, ochrous) x3 - 54 CEMENTATION (quali) x3 - 55 SCHST (soft) x3 - 56 SILTSTONE x3 -	24	MARBI E (brittle)					×2	
20 CONGLOMERATE-SANDSTONE-ARKOSE (brittle) x2 20 GREYWACKE (brittle) x2 21 GREXUSTATION x2 22 GREXUSTATION x2 23 GREXUSTATION x2 24 ARGULTTE (brittle) x2 25 GREXUSTATION x2 26 GREXUSTATION x2 27 GRANTE-DIORTE-CABBRO (brittle) 2.6 0.2 x2 27 GRANTE-DIORTE-CABBRO (brittle) 2.6 0.2 x2 28 VOLCANIC (soft) 2.6 0.2 x2 44 CARBONATE (chreaus, andy, ochreaus) x3 x3 45 CHERT-CHERTY CARBONATE (c20% leached chert) x3 x3 46 CONGLOMERATE-SANDSTONE-ARKOSE (friable) x3 x3 51 GRENTATION (partial) x3 x3 52 SCHENTATION (partial) x3 x3 53 CEMENTATION (partial) x3 x3 54 CEMENTATION (partial) x3 <td< td=""><td>24</td><td>CHERT-CHERTY CARBONATE (<20% leached of</td><td>hert)</td><td></td><td></td><td></td><td>×2</td><td></td></td<>	24	CHERT-CHERTY CARBONATE (<20% leached of	hert)				×2	
29 GREYWACKE (brittle) x2 22 ENCRUSTATION x2 32 ENCRUSTATION x2 34 ARGILLITE (medium soft) x2 37 GRANTE-DIORITE-GABBRO (brittle) 2.6 0.2 x2 31 CARBONATE (shaley:/clayey: sity, slayey)	30	CONGLOMERATE-SANDSTONE-ARKOSE (brit	tle)				×2	
52 ENCRUSTATION <td< td=""><td>29</td><td>GREYWACKE (brittle)</td><td></td><td></td><td></td><td></td><td>×2</td><td></td></td<>	29	GREYWACKE (brittle)					×2	
25 GNERS-AMPHIBOLITE-SCHIST (brittle) -	52	ENCRUSTATION					×2	
34 ARGILLITE (medium soft) 2.6 0.2 \$22 0.5 27 GRANITE-DIORITE-GABBRO (britte) 2.6 0.2 \$22 0.5 28 VOLCANIC (soft) 2.6 0.2 \$2 0.5 43 CARBONATE (chreave; safty, chreave; silty, clayey) 2.6 0.2 \$2 44 CARBONATE (chreave; safty, chreave; safty, chre	25	GNEISS-AMPHIBOLITE-SCHIST (brittle)					×2 ×2	
27 GRANTE-LOORTE-GABBRO (brittle) 2.0 0.2 2.2 28 VOLCANIC (soft) 2.6 0.2 2.6 43 CARBONATE (shaley; dayey) 2.6 0.2 2.6 44 CARBONATE (shaley; dayey) 2.6 0.2 2.6 44 CARBONATE (shaley; dayey) 2.6 0.2 2.6 44 CARBONATE (shaley; dayey) 2.6 0.2 2.6 45 CHERT-CHERTY CARBONATE (shaley; dayey) 2.6 2.6 46 CONCLOMERATE-SANDSTONE-ARKOSE (friable) 8.3 2.6 56 SILTSTONE 8.3 2.6 51 CREMENTATION (total) 8.3 2.6 50 GNEISS-AMPHIBOLITE (friable) 8.3 2.6 51 GRANTE-DORRTE-GABBRO (friable) 8.3 2.6 53 SCHIST (soft) 8.3 2.7 54 CEMENTATION (total) 8.3 2.7 55 SCHIST (soft) 8.3 2.7 56 SILTSTONE 8.3 2.7 57 SCHIST (soft) 8.3 2.7 58 SCHIST (soft) 8.3 2.7 59 SCHIST (soft) 8.3 2.7 50 GORTE-GA	34	ARGILLITE (medium soft)			- 26	0.2	×2	0.5
28 VOLCANIC (soft) 2.6 0.2	27	GRANITE-DIORITE-GABBRO (brittle)			2.0	0.2	×2	
TOTAL FAIR AGGREGATE Lo Lo Lo Lo 43 CARBONATE (shaley; silty, clayey)	28	VOLCANIC (soft)			26	0.2	+	
43 CARBONATE (shaley: sardy, ochrous)		TOTAL FAIR AGGREGATE			2.0			
44 CARBONATE (cellreous) sandy, belleous) ×3 49 MARLE (finiable) ×3 45 CHERT-CHERTY CARBONATE (>20% leached chert) ×3 46 CONGLOMERATE-SANDSTONE-ARKOSE (friable) ×3 56 SILTSTONE ×3 57 SCHENTATION (partia) ×3 58 CEMENTATION (total) ×3 59 GNEISS-AMPHIBOLITE (friable) ×3 51 GRANTE-DIORITE-GABBRO (friable) ×3 51 GRANTE-DIORITE-GABBRO (friable) ×3 78 VOLCANIC (very soft, porous) ×3 78 GYPSITE (gypsum 10 to 49%) 0 0 70 OCALGON 0 0 60 OCHRE 0 0 61 SHALE	43	CARBONATE (shaley; clayey; silty, clayey)						
49 MARBLE (finale) x5 45 CHERT-CHERTY CARBONATE (>20% leached chert) x3 56 SILTSTONE x3 56 GNEISS-AMPHIBOLITE (friable) x3 50 GNEISS-AMPHIBOLITE (friable) x3 51 GRANITE-JORITE-GABBRO (friable) x3 51 GRANITE-DORITE-GABBRO (friable) x3 78 GVOLCANIC (very soft, porous) x3 78 GVOLCANIC (very soft, porous) x3 78 GVOLCANIC (very soft, porous) x3 79 TOTAL POOR AGGREGATE 0 0.0 61 SHALE 2 2 62 CLAY 0 0.0 2 63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 2 76 FAIR 0.2 x3 0.1 2	44	CARBONATE (ochreous; sandy, ochreous)					×3	
43 CHERT CARDONATE (2007 dealed outside) x3 46 CONGLOMERATE-SANDSTONE - ARKOSE (friable) x3 53 CEMENTATION (partial) x3 54 CEMENTATION (partial) x3 55 SCHIST (soft) x3 51 GRANITE-DIORITE-GABBRO (friable) x3 55 SCHIST (soft) x3 51 GRANITE-DIORITE-GABBRO (friable) x3 78 GYPSITE (grysum 10 to 49%) x3 70 TOTAL POOR AGGREGATE 0 0 60 OCHRE	49	MARBLE (Made)	chert)				×5	
48 CONCRATE-ON DOTIONE FLATEGOD (MINO) ×3 56 SILTSTONE ×3 51 GRANTE-DIORITE-GABBRO (friable) ×3 51 GRANTE-DIORITE-GABBRO (friable) ×3 78 GYPSITE (gypsum 10 to 49%) ×3 60 OCHRE 0 0.0 61 SHALE - - 62 CLAY - - 70TAL POOR AGGREGATE 0 0.0 - 63 VOLCANIC-GNEISS-SCHIST (decomposed) - - 74 TOTALS 100.5 100.0 0.0 75 POOR 0.0 ×6 0.0 - 76 POOR 0.0 ×1 0.0 - - 77 % GOOD 99.8 ×1 99.8 - - - - 77 % OOR 0.0	45	CONCLOMERATE-SANDSTONE-ARKOSE (fria	hle)				×3	
30 SEMENTATION (partial) *3 53 CEMENTATION (total) 54 CEMENTATION (total) 50 GNEISS-AMPHIBOLITE (friable) *3 55 SCHIST (soft) 51 GRANTE-DIORITE-GABBRO (friable) *3 48 VOLCANIC (very soft, porous) 78 GYPSITE (gypsum 10 to 49%) 78 GYPSITE (gypsum 10 to 49%) 60 OCHRE 61 SHALE 62 CLAY 63 VOLCANIC-GNEISS-SCHIST (decomposed) 74 GOOD 99.8 × 1 75 GOOD 99.8 × 1 76 POOR 0.0 77 Ye GOOD 99.8 × 1 78 OPOR 0.0 76 POOR 0.0 77 Ye POOR 0.0 78 OPOR 0.0 79 POOR 0.0 70 GOOD Ye POOR 0.0 78 OPOR 0.0 79 POOR 0.0 79	- 40	SU TSTONE					×3	
54 CEMENTATION (total) ×3 54 CEMENTATION (total) ×3 55 SCHIST (soft) ×3 51 GRANTE-DIORITE-GABBRO (friable) ×3 53 GYPSITE (gypsum 10 to 49%) ×3 78 GYPSITE (gypsum 10 to 49%) ×3 76 GYPSITE (gypsum 10 to 49%) ×3 78 GYPSITE (gypsum 10 to 49%) ×3 60 OCHRE 0 0.0 61 SHALE 0 0.0 62 CLAY 0 0.0 63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 76 GOOD 99.8 ×1 99.8 % FAIR 0.2 ×3 0.7 % POOR 0.0 ×6 0.0 % DELETERIOUS 0.0 ×10 0.0 HOT MIX, SURFACE TREATMENT 100.5 AND 16.0 mm TYPE B P.N. 100 AND CONCRETE P.N. I00.5 AND 16.0 mm TYPE B P.N. 100	53	CEMENTATION (partial)					×3	
50 GNEISS-AMPHIBOLITE (friable) ×3 55 SCHIST (soft) ×3 51 GRANITE-DIORITE-GABBRO (friable) ×3 48 VOLCANIC (very soft, porous) ×3 78 GYPSITE (gypsum 10 to 49%) ×3 60 OCHRE 0 0.0 61 SHALE 62 CLAY 63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 7% GOOD 99.8 × 1 99.8 % GOOD 99.8 × 1 99.8 % FAIR 0.2 × 3 0.7 % DELETERIOUS 0.0 × 10 0.0 EST. PERCENT CRUSHED 10 % DOOR 0.0 × 10 0.0 EST. PERCENT FLATS & HOT MIX, SURFACE TREATMENT 100.5	54	CEMENTATION (total)						
55 SCHIST (soft) X3 51 GRANITE-DIORITE-GABBRO (friable) X3 48 VOLCANIC (very soft, porous) X3 78 GYPSITE (gypsum 10 to 49%) 0 0.0 60 OCHRE 0 0.0 61 SHALE 0 0.0 62 CLAY 0 0.0 63 YOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 70TAL DELETERIOUS AGGREGATE 0 0.0 0.0 70Y GOOD 99.8 × 1 99.8 99.8 70Y FOOR 0.0 × 10 0.0 EST. PERCENT CRUSHED 10 70Y DOR 0.0 × 10 0.0 EST. PERCENT FLATS & ELONGATED CORRECTED GRANULAR 70Y AND 16.0 mm TYPE B P.N. 100.5 AND 16.0 mm TYPE B P.N. 101/3 30, <td>50</td> <td>GNEISS-AMPHIBOLITE (friable)</td> <td></td> <td></td> <td></td> <td></td> <td>×3</td> <td></td>	50	GNEISS-AMPHIBOLITE (friable)					×3	
51 GRANITE-DIORITE-GABBRO (friable) X3 48 VOLCANIC (very soft, porous) X3 78 GYPSITE (gypsum 10 to 49%) 0 0.0 70 OCARGEGATE 0 0.0	55	SCHIST (soft)					×3	
48 VOLCANIC (very soft, porous) x3 78 GYPSITE (gypsum 10 to 49%) 0 0.0 60 OCHRE 0 0.0 0 61 SHALE 0 0.0 0 62 CLAY 0 0.0 0 63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 0 76 GOOD 99.8 1 99.8 0 0.0 0 76 GOOD 99.8 × 1 99.8 99.8 0 0.0 0.0 0.0 76 GOOD 99.8 × 1 99.8 99.8 0.0 0.0 0.0 0.0 76 GOOD 99.8 × 1 99.8 99.8 0.0 0.0 0.0 0.0 76 POOR 0.0 × 10 0.0 EST. PERCENT CRUSHED 10 76 POOR 0.0 × 10 0.0 EST. PERCENT FLATS & ELONGATED CORRECTED GRANULAR Iuty 30, 76 POOR 0.0 × 10 0.0 AND 16.0 mm TYPE B P.N. Iuty	51	GRANITE-DIORITE-GABBRO (friable)						
78 GYPSITE (gypsum 10 to 49%) N N TOTAL POOR AGGREGATE 0 0.0 0	48	VOLCANIC (very soft, porous)					×3	
TOTAL POOR AGGREGATE 0 0.0 0 60 OCHRE -<	78	GYPSITE (gypsum 10 to 49%)				0.0		
60 OCHRE		TOTAL POOR AGGREGATE			0	0.0	+	
61 SHALE 62 CLAY 63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 0 0 0.0 0 0 0.0 0 0 0.0 0	60	OCHRE					1	
62 CLAY 0 0 0 63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 0 0 0.0 TOTAL DELETERIOUS AGGREGATE 0 0.0 0 0.0 0 0.0 % GOOD 99.8 × 1 99.8 99.8 × 100.5 100.0 0.1 % GOOD 99.8 × 1 99.8 99.8 × 0 0.1 0.1 % GOOD 99.8 × 1 99.8 99.8 × 0.7 × 0.0 0.1 % FAIR 0.2 × 3 0.7 × 0.0 × 0.0 EST. PERCENT CRUSHED 10 % DELETERIOUS 0.0 × 10 0.0 EST. PERCENT FLATS & ELONGATED	61	SHALE				├ ─────	+	
63 VOLCANIC-GNEISS-SCHIST (decomposed) 0 0.0 TOTAL DELETERIOUS AGGREGATE 0 0.0 0.0 % GOOD 99.8 × 1 99.8 × 1 99.8 % FAIR 0.2 × 3 0.7 × 6 0.0 % POOR 0.0 × 10 0.0 EST. PERCENT CRUSHED 10 % DELETERIOUS 0.0 × 10 0.0 EST. PERCENT FLATS & ELONGATED HOT MIX, SURFACE TREATMENT 100.5 IO0.5 AND 16.0 mm TYPE B P.N. Io0 S/A 1.7-1 ISO 9001 July 30, July 30,	62	CLAY				<u> </u>	+	l
TOTAL DELETERIOUS AGGREGATE TOTALS 100.5 100.0 0.5 % GOOD 99.8 × 1 99.8 99.9 99.0 99.0 99.8 <	63	VOLCANIC-GNEISS-SCHIST (decomposed)			0	0.0	1	
1 1		TUTAL DELETERIOUS AGGREGATE		TOTALS	1100.5	100.0		0.5
% GOOD 99.8 × 1 99.8 % FAIR 0.2 × 3 0.7 % POOR 0.0 × 6 0.0 % DELETERIOUS 0.0 × 10 0.0 HOT MIX, SURFACE TREATMENT AND CONCRETE P.N. 100.5 ISO 9001 EST. PERCENT FLATS & ELONGATED 100								
% GOOD 99.0 ~ 1 97.0 % FAIR 0.2 × 3 0.7 % POOR 0.0 × 6 0.0 % DELETERIOUS 0.0 × 10 0.0 HOT MIX, SURFACE TREATMENT AND CONCRETE P.N. 100.5 ISO 9001		D 00.9 v 1	99.8					
% PAIK 0.2 A.3 0.0 % POOR 0.0 × 6 0.0 % DELETERIOUS 0.0 × 10 0.0 HOT MIX, SURFACE TREATMENT 100.5 EST. PERCENT FLATS & ELONGATED <	1% GOL	א ס.לע עד ה חז א	07					
% DELETERIOUS 0.0 × 10 0.0 EST. PERCENT CRUSHED 10 % DELETERIOUS 0.0 × 10 0.0 EST. PERCENT CRUSHED 10 HOT MIX, SURFACE TREATMENT 100.5 CORRECTED GRANULAR AND CONCRETE P.N. 100.5 100 S/A 1.7-1 ISO 9001 July 30,	1% FAIL	ς υ.2 ^3 τρ ΛΛ × Κ	0.0					
% DELETENCOS 0.0 10 0.0 EST. PERCENT FLATS & ELONGATED <	N DEI		0.0		EST. PEF	RCENT CR	USHED	100
HOT MIX, SURFACE TREATMENT 100.5 CORRECTED GRANULAR AND 16.0 mm TYPE B P.N. 100 S/A 1.7-1 ISO 9001 July 30,	170 DEL				EST. PEF	RCENT FL	ATS &	_
HOT MIX, SURFACE TREATMENT100.5CORRECTED GRANULAR AND 16.0 mm TYPE B P.N.100S/A 1.7-1ISO 9001July 30,	1				ELONG/	TED		<5
AND CONCRETE P.N. IOU.5 AND 16.0 mm TYPE B P.N. S/A 1.7-1 ISO 9001 July 30,	HOTM	IX. SURFACE TREATMENT	100 5		CORREC	CTED GRA	NULAR	100.0
S/A 1.7-1 ISO 9001 July 30,	ANDC	ONCRETE P.N.	100.5		AND 16.	0 mm TYP	E B P.N.	1 20 00
	S/A 1.7	·]		ISO 9001			J	uly 30, 200

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TABLE IU				
COARSE AGGREGATE PETROGRAPHIC ANALYS	IS			
COAKSE AOOKEGATE LETKOOM UTIO TUVES IS			IEGEL:	103061
UT NAME: MRT Sample #10	CIW		ID#·	7000
TE: Sept 22/03 FRACTION 19.0 - 9.5 mm ANALYST	: <u>CW</u>		IDT.	IAR &
			GRANU	
TVDE	MASS	%	16.0 mm	LAFER
1 YPE TITE	1 1	ŕ	CORRE	CTION
No.	_ <u>_</u>		T	
1 CARBONATE (hard: silty, hard)			┟╾╼╾╉	
20 CAPPONATE (surface weathered; silt, surface weathered; medium hard; silty, medium hard)			┟────╂	
20 CARDONATE (under weiters)				
2 CARBONATE (salidy, ital of incommune)				
21 CARBONATE (slightly cherry: <376clicit)				
23 MARBLE (hard or medium hard)			1	
3 CONGLOMERATE-SANDSTONE-ARKOSE (hard)				
22 CONGLOMERATE-SANDSTONE-ARKOSE (medium hard)			╀─────┦	
CDEVWACKE-ARGILLITE (hard or medium hard)	++-		++	
G ONE WARE INCOLOR SCHIST (hard)				
4 GNEISS-AMPRIBOLITE -SCHIST (hard)			1	
5 QUARTZITE	1034.5	98.6		
8 GRANITE-DIORITE-GABBRO (hard)				
7 VOLCANIC (hard)			1	
9 [EAP (<20% sulphide)				
10 OLIARTZ (vein or pegmatitic)				
10 QUINTE (<10% avasum)				
TOTAL COOD ACCREGATE	1034.5	98.6		
			×2	
35 CARBONATE (soft; silty, soft; silgnily snaley)			×2	
41 CARBONATE (soft, pitted)				
42 CARBONATE (deeply weathered; silty, deeply weathered)			×2	
40 CARBONATE (sandy, soft)			×2	
24 MARBLE (brittle)			+	
ACCURPT CHERTY CARBONATE (<20% leached chert)			×2	├ ────
20 CHERT CHERT F CHADING (ARKOSE (brittle)		L	×2	ļ
30 CONGLOMERATE SAUSTONE ANNOUS (STAR)	_		×2	ļ
29 GREYWACKE (brittle)	_		×2	
52 ENCRUSTATION			×2	
25 GNEISS-AMPHIBOLITE-SCHIST (brittle)			×2	
34 ARGILLITE (medium soft)	- 140	14	×2	2.8
27 GRANITE-DIORITE-GABBRO (brittle)	14.9			1
28 VOLCANIC (soft)		<u></u>		
	14.9	1.4		
10 TAL FAIR ADDRESSION SITU (JAVRY)				╂
43 CARBONATE (snaley, dayey, sity, dayey)				
44 CARBONATE (ochreous; sandy, ochreous)			×3	
49 MARBLE (friable)		1	×5	
45 CHERT-CHERTY CARBONATE (>20% leached chert)		+	×3	
46 CONGLOMERATE-SANDSTONE-ARKOSE (friable)			×3	
56 SUITSTONE		╂─────		+
52 CENENTATION (patial)		∔	- <u> ^3</u>	+
33 CEMENTATION (parta)			_	+
54 CEMENTATION (lota)			×3	∔
50 GNEISS-AMPHIBOLITE (Irladie)			×3	
55 SCHIST (soft)		1	×3	
51 GRANITE-DIORITE-GABBRO (friable)		+	×3	
48 VOLCANIC (very soft, porous)		+	×3	1
78 GYPSITE (gypsum 10 to 49%)		+		+
70 THE POOP ACCREGATE	0	0.0		
				+
60 UCHKE				
61 SHALE		1		
62 CLAY		+		
63 VOLCANIC-GNEISS-SCHIST (decomposed)				
TOTAL DELETERIOUS AGGREGATE				2.8
TOT	ALS 1049.4	100.0	<u></u>	
% GOOD 98.6 × 1 96.0				
% FAIR 1.4 × 3 4.3				
% POOR 0.0 × 6 0.0	Loom pr	20.000.00.0	PLICHED	100
	EST, PE	RCENT	UNUSITED	
α DELETERIOUS 0.0 × 10 0.0	iner DE	ERCENT I	FLATS &	-
% DELETERIOUS 0.0 × 10 0.0	ES1. PE			1 75
% DELETERIOUS $0.0 \times 10 0.0$	EST. PE	ATED		
% DELETERIOUS 0.0 × 10 0.0	EST. PE ELONG	ATED	RANULAR	
% DELETERIOUS 0.0 × 10 0.0 HOT MIX, SURFACE TREATMENT 102.8	EST. PE ELONG CORRE	ATED	RANULAR YPE B P.N.	100.
% DELETERIOUS 0.0 × 10 0.0 HOT MIX, SURFACE TREATMENT 102.8	EST. PE ELONG CORRE AND 10	ATED CTED GI	RANULAR YPE B P.N.	100.

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Work Report Summary

Tran	saction No:	W0390.	01885		Sta	atus:	APPF	ROVED			
Reco	ording Date:	2003-N	OV-24		Work Done f	rom:	2003	-AUG-26			
Арр	roval Date:	2003-DI	EC-02			to:	2003	-SEP-26			
Clie	nt(s):										
	39261	0 TI	RIGAN RESO	URCES INC							
Surv	/ey Type(s):										
			OGEOT								
Wor	k Report Deta	ails:									
Clai	m#	Perform	Perform Approve	Applied	Applied Approve	Ass	ign	Assign Approve	Reserve	Reserve Approve	Due Date
so	1240130	\$5,212	\$5,212	\$0	\$0		\$0	0	\$5,212	\$5,212	2005-DEC-10
so	1240155	\$1,737	\$1,737	\$1,737	\$1,737		\$0	0	\$0	\$0	2004-DEC-10
	_	\$6,949	\$6,949	\$1,737	\$1,737		\$0	\$0	\$5,212	\$5,212	
Exte	ernal Credits:		\$0								
Res	erve:	:	\$5,212 Res	erve of Work	Report#: W0	390.01	885				
			\$5,212 Tota	I Remaining							

Status of claim is based on information currently on record.



31C12SW2002 2.26749 METHUEN

Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines





GEOSCIENCE ASSESSMENT OFFICE 933 RAMSEY LAKE ROAD, 6th FLOOR SUDBURY, ONTARIO P3E 6B5

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

TRIGAN RESOURCES INC. ATTEN :J.B. REGAN 445 BEACON HILL DRIVE AURORA, ONTARIO L4G 3G8 CANADA

> Submission Number: 2.26749 Transaction Number(s): W0390.01885

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,

Rom C Gashingh.

Ron C. Gashinski Senior Manager, Mining Lands Section

Cc: Resident Geologist

Trigan Resources Inc. (Claim Holder) Assessment File Library

Trigan Resources Inc. (Assessment Office)

Donald Phipps (Agent)



200



UTM Zone 18 5000m grid

These wishing to stake mining daims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional Information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

General Information and Limitations Genteral Information and Limitations
Contact Information: Toll Free Map Datum: NAD 83
Provincial Mining Recorders' Office Tel: 1 (888) 415-9845 ext 57% bjection: UTM (6 degree)
Willet Green Miller Centre 933 Ramsey Lake Road Fax: 1 (877) 670-1444 Topographic Data Source: Land Information Ontario
Sudbury ON P3E 886 Mining Land Tenure Source: Provincial Mining Recorders' Office
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mismnpge.htm

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

This map may not show u land including certain pat flooding rights, licences, c interest from the Crown. that restrict or prohibit free illustrated.

	ONTARRIO CANADA MINISTRY OF NORTHERN DEVELOPMENT AND MINIST PROVINCIAL MINING RECORDER'S OFFICE	 Mining Land Tenure Map
	Date / Time of Issue: Tue Dec 02 13:21:21 EST 2003 TOWNSHIP / AREA METHUEN (SOUTH)	³ PLAN G-3053
	ADMINISTRATIVE DISTRICTS / Mining Division Land Titles/Registry Division Ministry of Natural Resources District	DIVISIONS Southern Ontario PETERBOROUGH BANCROFT
B. B	TOPOGRAPHIC	Land Tenure
£ 1	Administrative Boundaries	Freehold Patent
2 2	Township	Surface And Mining Rights
	Concession. Lot	Surface Flights Only
	Provincial Park	Mining Rights Only
	Indian Reserve	Leasehold Patent
	Cliff, Pit & Pile	Surface And Mining Rights
a 🔁 🙀	Contour	Surface Rights Only
	Mine Shatis	Mining Rights Only
2 Canpe	Mine Headframe	Licence of Occupation
2 Series	Raйway	Cr. Uses Not Specified
	Road	Surface And Mining Rights
CLS96250		Surface Rights Only
100 - 140 - 100	Natural Gas Pipeline	Mining Rights Only
	Utiktjes	Lund Use Permit
2 25 M	+ Tower	Order in Council (Not open for staking)
01830206		Water Power Lease Agreement
		Mining Claim
4940000N		
- CA		1234567
		LAND TENURE WITHDRAWALS
		1234 Areas Withdrawn from Disposition
\hat{g}		Wining Acts Withdrawei Types Wining Surface And Mining Rights Withdrawn
and the second sec		Ws Surface Rights Only Withdrawn Wm Mining Rights Only Withdrawn
، ^ن - ر)		Order in Council Withdrawaii Types Warn Surface And Mining Rights Withdrawn Was Surface Rights Crity Withdrawn
2		W [*] m Mining Rights Only Withdrawn
18		IMPORTANT NOTICES
Whp	Basis 1:4991	6
CON 8	700 m 0 m	2.1km
1952		LIONS
IB_CON 8	Identifier Type Date Description	
Uni I		
XII I	8832 Ws Jan 1, 2001 4 AUG 71 SUR	FACE MINING RIGHTS 57818 SR & MB 57816
	8838 Wem Jan 1, 2001 BEC.43 (7/27/2 8838 Wem Jan 1, 2001 BEC.43 18/4/73	3 SR & MR 57816
C28, CON 8	8849 Wsm Jan 1, 2001 SEC.43 7/2/72 8851 Wsm Jan 1, 2001 SEC.36/80 14/0	3K & MR 57516 32/85 S.R.O.
12	8856 Wem Jan 1, 2001 SEC.36 RESER 8859 Wem Jan 1, 2001 SEC.36 AJA/71	RVE FOR PUBLIC USE SR&MR 57861
OT 27, CON &	8861 Wem Jan 1, 2001 SEC.36 RESER	AVE FOR PUBLIC USE
	8866 Wem Jan 1, 2001 SEC.43 4/8/71 8871 Wsm Jan 1, 2001 SEC.43 4/8/71	SRAMK 07861 SRAMR 57861
	8873 Ws Feb 14, 1985 SEC.36/80 14/2	2/85 SRO
	1	
	IMPORTANT NOTICES	
land tenure and interests in s, easements, right of ways,	IMPORTANT NOTICES	
land tenure and interests in s, easements, right of ways, ns of disposition of rights and land tenure and land uses	IMPORTANT NOTICES	



210



