YEIP
05-074
2005

YMIP 05-074

FIELD REPORT
INDIAN RIVER GOLD PROJECT

Mapping Area approximately centred on :

Latitude: 63^0 45' 00"
Longitutde: 139^0 14' 00"

585 000 mE
7 072 000 mN
NAD 83 (Zone 7)

N.T.S. 115 O/14

For:

BOULDER MINING CORPORATION
800-850 West Hastings St.
Vancouver, British Columbia
V6C 1E1

By:

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ARCHER CATHRO & ASSOCIATES (1981) LTD.

Field Work completed: September 9th – October 10th, 2005

October 11, 2005

TABLE OF CONTENTS

SUMMARY and RECOMMENDATIONS

During the period September 9th to October 11, 2005, the author conducted 1:2,000 scale detailed geological mapping, rock sampling, spot radiometric readings and limited soil "testing" along the north edge of Boulder Mining Corp.'s Indian River property. This field report, written in camp, presents the data as 14 geological data maps. All data is digital. This is the first attempt by the company to investigate/record potential for hard rock gold mineralization in concert with it's placer interests.

This field report is written prior to geochemical and petrographic analysis and only outlines possible geologic potential.

Results of the mapping include:

- Identification of numerous potential structural elements on the property ; (geochemistry pending)
- alteration zones, including: severe sericite-quartz alteration at Z-719, py-silicification at 7148; and 20m wide gossanous sericite-quartzite at Z-663 spacial to NW structures
- the "Great White" quartz vein; 1.8m wide, 119/86 has an unknown strike length (covered) and is the largest hydrothermal system mapped this season (geochemistry pending)

Recommendations for the Indian River property include:

1) pre-seasonal *stereo*-air photo and airborne geophysic/structural interpretation. The author suggests purchasing the government release (available digitally):

   Stewart River Aeromagnetic Survey Base (GSC OF 3992 EGSD 2001-8, GSC OF 3991 EGSD 2001-7, and GSC OF 4308 EGSD 2002-14)

2) A property wide geochemical suvey; careful soil sampling along ridge tops with a bias towards south facing areas. The author suggests consulting with Jeff Bond (YGS Surficial Geologist) based in Whitehorse concerning data available for the Indian River area.

3) Follow up on the six points described in Section "HARD ROCK GOLD POTENTIAL - Ideas & Thoughts"

4) Add to geological base - continued detailed geological mapping

INTRODUCTION

This is a brief field report of geological work conducted on the Indian River property owned by Boulder Mining Corporation during the period September 9th to October 11th, 2005 by the author. No previous detailed hard rock studies for Boulder Mining Corporation on their Indian River property are known.

There is no attempt to report on/research regional geology, although some recommendations are suggested in this report. The format of this report is strictly geared to reporting the geological data presented on the maps.

DIRECTIVES and FOCUS

After an initial day tour of camp and property, it became clear that two main criterion are needed:

1) a digital "base" and framework for collecting and recording hardrock geological data
2) a knowledge of the lithology types on the property? What is the relationship between these lithologies, age, structure, alteration and any hard rock gold potential?

Limiting factors:

1) time; late start in the field season (September 9, 2005)
2) size of property (quartz claims): big - approx. 34,250 acres or 17x14 kilometres.
3) Access: good E-W road across N edge of property; However most of the property particularly the S half of the property is in swampy ground or covered burn with few trails.
4) outcrop exposure; aside from road cuts- very poor (~1%)
5) lack of a pre-exsisting geochemical base for the property, limiting areas to prospect

The focus was to obtain as much geological data in the shortest period of time. Focus was put on detailed geological mapping along the E-W road immediately north of Indian River where there is the most continuous outcrop exposure on the property. Occasional visits to the active placer mining pits in the area were also mapped.

PROPERTY HARD ROCK EXPLORATION WORK FOR 2005

Introduction

This short field report was written prior to petrographic, or geochemical results. It is a preliminary list of work completed with point form highlights regarding geology only. Maps/figures accompanying this report are in draft/unedited form in the appendices.

Work Completed

During the field season, September 9th to October 11th, the following work was achieved:

1) Purchase and preparation of digital topographic maps 115 O/14 and O/11.
2) GPS survey of local roads, landmarks, etc
3) Collection of geological data from 120 gps surveyed stations (Z600-Z720)
4) Collection of geochemistry data; 75 rock samples, 5 soil samples – sent for Au+35 element ICP-MS analysis (Acme Analytical Lab-Vancouver).
5) Collection/submittal of samples for petrographic analysis; 10 thin sections, 1 polished thin section (Vancouver Petrographics).
6) Digital construction of 14 x 1:2,000 scale geological data maps (dwg files- AutoCad)
7) Field report

Methodology

Geological mapping/surveying was achieved using a hand held 12 channel receiver GPS unit (Garmin model 'GPS 60'). Roads and outcrop shapes were tracked wherever possible. Outcrops were designated a field station number with a gps location – notes were taken in a field book and summarized on the detailed geology data maps. Accuracy of the GPS 60 is variable depending on topographic obstacles and satellite coverage at the time of reading. Typical reading accuracy would be +/-8m; ranging +/-5 on open hill tops to +/-20m in gully bottoms.

Geochemistry included: 1) rock sampling focusing on the varied rock lithologies, structural conduits, mineralization, alteration zones and occasional uncovered outcrop in the company's active placer mining pit; and 2) Soils were tested only in one area as a check against rock data of the Indian River Formation. Results are pending.

Radiometrics included spot checks in total counts per second (K + U + Th).

Property Geology

The author refer's the reader to Ryan J.J., and Gordie S.P., 2004 OF 4641 for up to date further readings of the regional geology.

Structural Elements

North - steep - (Ruby Creek Structure)

Northeast - moderate to steep - found in Indian River Fm and reactivated in Nasina basement rocks.

East to southeasterly - shallow angle shears and thrusts (sub)parallel to regional fabric.

Northwest - moderate to steep - older set cut by younger thrusts (younger sets are also observed on the ground)

BOULDER Mining Corporation

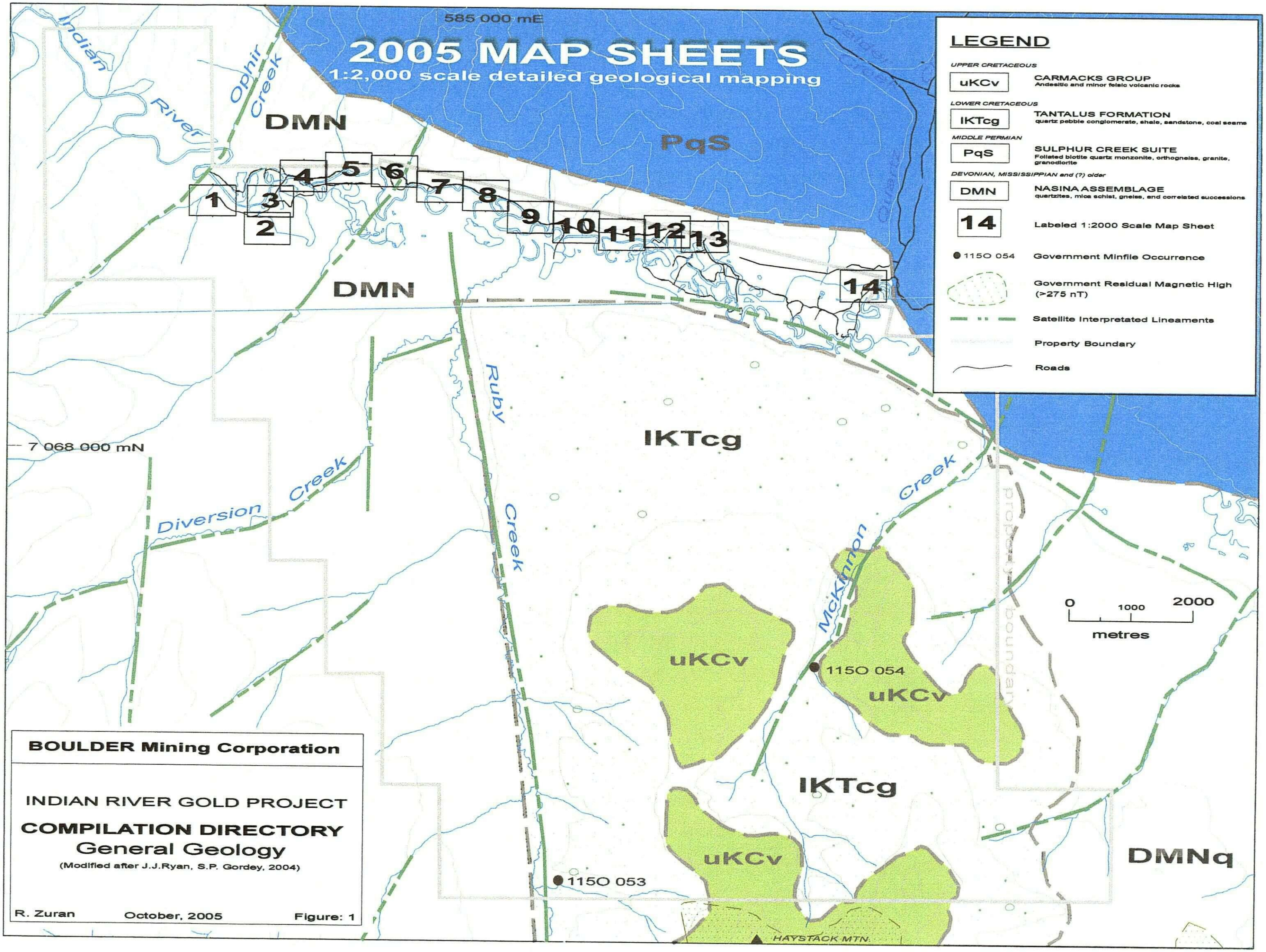
INDIAN RIVER GOLD PROJECT

SATELLITE IMAGERY

Interpretation

R. Zuran

September, 2005



BOULDER Mining Corporation

INDIAN RIVER GOLD PROJECT

COMPILATION DIRECTORY

General Geology

(Modified after J.J.Ryan, S.P. Gordey, 2004)

R. Zuran | October, 2005 | Figure: 1

A complete description of all property lithologies with an interpretive structural history is included with Maps 1-14 in APPENDIX 1. Evidence for the structural interpretation is also listed there.

The following is a list of highlights/comments from each map travelling W to E:

MAP 1 Z-649: a dump (subcrop?) containing yellow-orange rust weathering altered gneiss/schist - contains high density, multi-directional structurally controlled, planar quartz vienlets. Apparently these rocks produced good gold values (H. Veldhuyzen, 2005). This should be re-trenched, properly mapped and sampled. The direction of these veinlets is important as they are rarely seen on the road outcrops along Indian River.

7148 (BM pit): the only significant sulphides found in the 2005 mapping season; fine py dustings (trace to 5%) along fractures and along foliation within a wk-mod silicified chlorite schist. This outcrop produces grains of gold from 10 litres of material (H. Veldhuyzen, 2005). Approximately 150m to the NE is a galena-barite veinlet, now covered.

MAP 2 An interesting contact between a severely altered (leached, bleached, sericitized and oxidized) quartzite at Z-719 and Indian River (IR) sandstone at Z-720. Gold could have dropped out at the edge of the alteration zone. 12 grains of gold were recovered from 10 litres of material near the IKI/DMN contact (H. Veldhuyzen, 2005).

MAP 3 The same northish IKI/DMN contact passes through this sheet with a mined coal seam at Z-616 (sample # 7102) and low angle faults sectioned at Z-620 (samples #7107, 8).

MAP 4 Unfoliated very coarse grained muscovite-hornblende granitic pegmatite (grn PEG) noted along the tops of outcrop and as float pieces at the bottom of outcrops between Z-633 to Z-652. A prominent grn PEG with local garnets is foliated and sheared (re-activated older structure?) and again sliced by a low angle structure at Z-654.

MAP 5 This area is of particular interest and numerous structures and altered lithologies have been sampled. There are at least 2 sheared/foliated grn PEGs; a family of NW trending SW dipping (mod-steep) faults – one significant with several graphitic slip planes ramping into one at Z-610; several light gossonous (yellow-orange-rusty) sercite quartzite/schist zones; a thrust plane at Z-667; and an antiform in the NE portion of the map.

MAP 6 Predominantly young orange sandstone and minor shaley horizons of the IR Fm. The sandstone is immature (imm), fine to medium grained with quartz, lithic and coalified plant debris. There is interpreted - a covered contact with the Nasina Assemblage in the west. At least two spots were examined (about Z-674) for structural kinematics on well preserved slickenside (striation type). Bedding is apparently wheeled around by a set of strike-slip sinistral movements. As one proceeds east of Z-673, the sandstone attitude evens to ESE with a shallow dip to the NNE.

MAP 7 Crossing back over a covered interpreted contact from *MAP 6* into Nasina

Assemblage schists, quartzites (DMN1) with possible feldspar in schist/gneiss (DMN6) lithologies in the east. Chlorite rich schistose horizons exhibit shear texture (ie. Z-648). A subtle increase in radioactivity (notably on *Map 8*) perhaps due to the K^{40} in feldspar, distinguishes DMN1 and DMN6? at the east end of the map.

MAP 8 Notable gentle increase in radioactivity to 240 cps in the gneiss. A relic hypabyssal (?) texture was sampled for petrographic study at Z-687. A cross-cutting quartz vein probably associated with a family of NNE trending steep faults was sampled at 7165. Significant south dipping thrust breccia noted in the east. Weak silica stringers are associated with the cemented breccia of angular laminated quartzite (DMN1) and chlorite phyllite/schist fragments. The thrust separates covered Nasina rocks to the north from chemically unaltered marbles (DNM2) to the south.

MAP 9 Predominantly schists and quartzites with minor drag folding and faulting in the east end of the map.

MAP 10 Large quartz vein, 1.8m wide trending ESE, dipping steeply to the south-nickmamed " The Great White" is noted in the road cut at Z-676. Numerous large quartz float boulders are in the area. The vein is massive with minor limonite-MnO2 staining in the fractures – no sulphides seen with a hand lens. A shear structure of a similar attitude to the Great White vein (but staggered to the north by 40m), hosts a meta-felsite (meta-rhyolite??) – orange-yellow weathering with a slight increase in radioactivity (200cps)

MAP 11 Numerous pale subltle interfoliated meta-felsite units and a 'one of a kind' black biotite-fine grain hornblendite ?, meta-basalt? These rocks are observed towards the west end of the map.

MAP 12 Two E-W-ish structures; one containing graphitic charcoal grey fault gouge (7122); the other containing white calcareous gouge (7114) were sampled.

MAP 13 Lone, but structurally busy outcrop (Z-637) with the only 2005 identified young (Er?) hypabyssal rhyolite and older (uKCv?) fine grained sheared and carbonate altered gabbro-basalt. Pronounced N-ish shear fabric noted in gabbro but not in the rhyolite.

MAP 14 Various fault gouge collected in placer pits and trenches at 7104, 7111, and 7112.

HARD ROCK GOLD POTENTIAL – Thoughts & Ideas

It is premature at this point to commit to specific gold bearing structures/lithologies before studying the results of the 36 element analysis from the geochemical samples and the petrographic thin sections (results pending); however, some insightful comments can be made based on the 2005 geological mapping, and placer data. Ideas-thought processes are presented in question-answer type form.

Is there more than one source for the placer gold?

——————→ Yes.

At least two distinctly different morphologies of placer gold are reported on the property: 1) fine flat gold grains from the main Indian River system; and 2) equant grains local to the 2005 Boulder Mining Corp.'s active pit area. (H. Veldhuyzen, 2005).

At this stage, without the geochemistry and petrography; the corresponding models that may come to light are:

1) gold grains originating within a specific Nasina lithology – perhaps as disseminations, later under going polyphase deformation coupled with the transposition of layering strain effect and increased regional metamorphic temperature (?). The result of this mechanism - the fine flat gold grain.

2) a younger gold which has not received strain and deformation as (described above) preserving the native gold isotropic dimensions. Suggested sources could include mesothermal vein-type gold with a plumbed intrusive or ultramafic sourced gold associated with a structure.

In either case, the gold has not travelled very far; generally moving at a 2:1 ratio – horizontal movement : vertical movement (H. Veldhuyzen, 2005).

Geological mapping shows that gold grains have been recovered from at least 2 specific Nasina Assemblage bedrock sources from: 1) sample #7148; and 2) approximately 10m east of station Z-720. Geochemistry and petrographic studies are pending.

Could one source be of epithermal origin?

——————→ Likely not.

Vein character described in the mapping is variable and includes:

1) Foliaform discontinuous varieties: massive, milky-off white glassy -glassy grey coloured quartz typically in quartzites. Minor amounts of off white creamy feldspar were noted in quartz foliatform veinlets hosted in schist and gneiss.
2) Cross cutting massive, milky-off white quartz
3) Narrow calcite stringers and veinlets (one location: Z-637)

Vein character and composition is inconsistent with epithermal textures – no open spaces; no comb/cockade textures; no boiling textures – no quartz-carbonate vein composition, no rhodochrosite and no chalcedonic quartz recorded during the 2005 mapping program.

Typically at the Eocene Mount Skukum deposit (Yukon's only producing epithermal gold mine), gold grain size was micron scale; "no seam" electrum – 60% Au, 40% Ag. Gold in the Indian River system is characteristically 15% Ag (D. Mills, H. Veldhuyzen, 2005).

What geological targets are plausible from the 2005 mapping?

Once again this is dependent on geochemistry and petrographic studies. However suggestions include:

1) MAP 1: The structure that is responsible for the high density quartz veining in altered sericite ortho-gneiss at Z-649 should be determined. Trenching and more sampling if necessary.
2) MAP 1: Do the results from Z-696 and sample 7148 have a VMS or Besshi style signature? If so can this lithology be traced?
3) MAP 2: The size of this intense alteration zone (Z-719) should be determined and more sampling should be conducted to establish if the northish structure is a gold bearing conduit. Field observations suggest that both the young IKI sandstone and the old DMN quartzites are altered to a certain degree making the mineralizing fluids Lower Cretaceous or younger. Landsat imagery reveals that at least the major northish structures are the youngest as well.
4) MAPs 4 & 5: Samples from this area, if anomalous, should be followed up as there are numerous potential NW structural conduits proximal to the 20m wide gossan (oxidized light rust orange-yellow weathering muscovite schists and quartzites). In addition, sheared grn PEG appear in some cases to be in older re-activated structures (sample 7130). Is it coincidental that the pegmatite and gossans are spatially related. Does the sampling indicate that the grnPEG relates to the gossanous lithologies. (ie. Boron rich fluids – tourmaline?)
5) Numerous additional oxidized light rust orange-yellow weathering muscovite schists and quartzites were observed at sample 7141 (MAP 10), Z-717 (MAPs 10 & 11), sample 7113 (MAP 11). In some cases relic feldspar and a subtle increase in radioactivity was recorded. These units appear to be meta-felsites (parent – rhyolite?) and in some cases spacial to quartz veining. Petrographic studies pending.
6) MAP13: station Z-637 has potential regarding younger northish structures associated with at least two episodes of intrusion: Er & GAB.
7) "The Great White " quartz vein (Z-676) is 1.8m wide, near vertical, trends ESE and is the largest hydrothermal system mapped to date.

REFERENCES

Lowery, G.W. 1984. The Stratigraphy and Sedimentology of Siliciclastic Rocks, West-Central Yukon, and their Tectonic Implications. Thesis (Ph.D), University of Calgary, 329p.

Ryan J.J., Gordey, S.P, Stewart River Area (Parts of 115 N/1,2,7,8, and 115O/2-12) Geological Survey of Canada, Open File 4641.
Makepeace, A.J., Gordey, S.P. Yukon Digital Geology. Geological Survey of Canada Yukon Geology Program -Open File D3826, 2 CD set.

APPENDIX 1

ABBREVIATION CODES
ROCK SAMPLE DESCRIPTIONS
SOIL SAMPLE DESCRIPTIONS
PETROGRAPHIC SAMPLES

ABBREVIATION CODES											
Mineralogy		**Mineralization Style**		**Rock Type**		**Structure**		**Colour**		**Texture**	
Almandine	alm	Altered	alt	Argillite	arg	Axial Plane	AP	Beige	bg	fine grain	fig
Biotite	bio	Disseminated	dis	Basalt	bas	Cleavage	CLV	Black	bk	medium grain	meg
Calcite	cal	Gossan	gos	Gabbro	gab	Deformed	def	Blue	bl	coarse grain	cog
Chlorite	chl	Massive	mas	Gneiss	gne	Fold Axis	FA	Brown	bn	crystalline	xln
Chlorite	chl	Oxidized	ox	Granite	grn	Foliation	FOL	Buff	bf	immature	imm
Clay	cly	Stain	stn	Granodiorite	grd	Lineation	LIN	Clear	cl		
Epidote	epi	Stringer	str	Limestone	lst	Slicken Sides	SS	Crystal	cr	hypabyssal	hyp
Feldspar	fel	Trace	tr	Marble	mbl	Gouge	gou	Goldy	go		
Garnet	gar	Vein	vn	Pegmatite	peg	Fault	flt	Green	gn	fossiliferous	fos
Graphite	gra	Veinlet	vnlt	Phyllite	phy	Fracture	frac	Grey	gy		
Hematite	hem			Quartzite	qte	Joint	joi	Indigo	in		
Hornblende	hbl			Rhyolite	rhy	Plane	pl	Not Applica	na		
Jarosite	jar			Sandstone	sst	Uniform	uni	Olive	ol		
Kaolinite	kao			Schist	sch	Contact	con	Orange	or		
Limonite	lim			Shale	sh	Crenulated	cren	Pink	pi		
Limonite	lim			Gouge	gou	Blocky	blky	Purple	pu		
Mica	mic							Red	rd		
Muscovite	mus							Silvery	sv		
Oxides	ox							Violet	vi		
Phlogopite	phl					Outcrop	o/c	White	wh		
Pyrite	py					Subcrop	s/c	Yellow	yw		
Pyrrhotite	poo										
Quartz	qtz										
Schorl	sch										
Sericite	ser										
Tourmaline	tou										
Barite	bar										
Galena	gal										

ROCK SAMPLE DESCRIPTIONS (Boulder Mining Dawson Project 2005 - R. Zuran) pg 1

Sample Number	Date d/m/y	Station Number	Claim Name	NTS	NAD 83 Easting	Northing	Width (size)	Sample Type	Rock Type	Rock Modifier (s)	DESCRIPTION (colour, texture, mineralogy, alteration, structure)
7101	09-Sep-05	Z602	FEN 93	115 O/14	582442	7071655	various	float	PSA	hem stn	side of rd, suspected near con
7102	09-Sep-05	Z604	FEN 114	115 O/14	582261	7071971	10m	float	BIT	sub	bk chips of coal taken from across pile
7103	09-Sep-05	Z605	FEN 114	115 O/14	582252	7071995	various	float	SST	fos qtz-mic	3-5% c-plant stem material in imm alt kao (?)-MnO2 stn SST
7104	13-Sep-05		BJM 57	115 O/14	591855	7070664	0.80m	chip	FLT	gy lt bg	gy lt pale beige cly flt gou, 020/78
7105	12-Sep-05	Z618	FEN 95	115 O/14	582335	7072004	40x80cm	chip-panel	SCH	def	area of rolled (folded) def chips of fol mic QTE/SCH with minor yw-rust-wh qtz lenses
7106	12-Sep-05	Z619	FEN 95	115 O/14	582302	7072007	1.5	chip	QTE	mic	characteristic sample of QTE; clean glassy qtz grains (90%), mic-lim (10%) along fol
7107	12-Sep-05	Z620	FEN 95	115 O/14	582317	7072006	3cmx4.80m	chip	FLT	gy	gy cly flt gou (30%), gy PEL chips (60%), dk gy qtz (10%) in low angle 110/10 she; 140 cps
7108	12-Sep-05	Z620	FEN 95	115 O/14	582313	7072006	10cmx1.6m	chip	FLT	wh	off wh fig ser (70%), wh fig-meg qtz (30%) in low angle she adjacent 7107; 130 cps
7109	12-Sep-05		FEN 97	115 O/14	582623	7072449	0.80m	chip	GNE	joi	higher density joint corridor in GNE; minor lim-MnO2 stn on pl frac; 025/90
7110	12-Sep-05		FEN 97	115 O/14	582659	7072446	5cmx5.00m	chip	FLT	gy-bn	gy-bn crush-cly gou+pel chips in almost flat she; cuts northish steep structures
7111	13-Sep-05		BJM 57	115 O/14	591865	7070655	0.35m	chip	FLT	lt or-bg-bf	cly flt gou w some dk gy spots, x-cuts met fabric, 045/75, 170 cps
7112	13-Sep-05		(fraction)	115 O/14	592114	7070710	5cmx3.00m	chip	FLT	wh-gy	lt cly gou
7113	13-Sep-05	Z645	BJM 49	115 O/14	588147	7071529	0.10m	chip	SCH	qtz-ser	yw-or weathering 10cm band of alt SCH within SCH o/c, 150 cps
7114	15-Sep-05	Z641-a	BJM 50	115 O/14	588743	7071614	0.30m	chip	FLT	wh	v fig wh cal coatings on fine sheared chips, 116/90
7115	16-Sep-05	Z645	FEN 113	115 O/14	581382	7072082	various	float	GNE	ortho	numerous multi-directional pl qtz vnlts in alt (lim-ser-qtz) GNE
7116	16-Sep-05	Z650	FEN 98	115 O/14	582831	7072409	various	float	PEG	grn	numerous float pcs of v cog qtz-fel-hbl PEG, 120 cps
7117	16-Sep-05	Z654	FEN 98	115 O/14	583068	7072412	0.20m	chip	FLT	gy	she chips of gy GNE + grn PEG, 280/26
7118	16-Sep-05	Z654	FEN 98	115 O/14	583073	7072404	0.80m	chip	FLT	grn peg	she chips of grn PEG, gar on HW, 327/83, 180 cps
7119	16-Sep-05	Z637	OFF CLAIMS	115 O/14	589412	7071535	10 m	grab	RHY	qtz-fel por	wk rusty weathering, 10% fig-meg qtz phenos, wkly bleached fel phenos; 360 cps
7120	16-Sep-05	Z637	OFF CLAIMS	115 O/14	589404	7071536	0.10m	chip	SHE	or	lim-chips + wk gou in 010/90 she
7121	16-Sep-05	Z637	OFF CLAIMS	115 O/14	589398	7071541	4.00m	chip	GAB	bn	sheared cal altered fig ophitic, rare cal stringers; 100cps
7122	17-Sep-05	Z643	BJM 50	115 O/14	588631	7071560	0.60m	chip	FLT	bk	gra bk chips (QTE) within FLT, suspected attitude 270/55, 150 cps
7123	17-Sep-05	Z657	FEN 98	115 O/14	583160	7072460	10m	grab	PEG	alt grn	arg altered grn PEG (bk tou?) interfol and X-cutting (?) GNE/SCH in bulldozed trench
7124	17-Sep-05		FEN 69	115 O/14	583303	7072450	12m	grab	GRN	she	wk rusty alt mus (fel-kao) GRN with bio-qtz SCH wraps
7125	18-Sep-05	Z662	FEN 69	115 O/14	583444	7072522	3.20m	chip	QTE	alt	alt ser QTE w wk rust (jar-lim) surface stain - gossan
7126	18-Sep-05	Z662	FEN 69	115 O/14	583450	7072521	5m	float	QTE	alt	alt ser (tr fig py/poo) QTE w wk rust (jar-lim) surface stain - gossan
7127	18-Sep-05	Z662	FEN 69	115 O/14	583457	7072520	5.00m	chip	QTE	alt	alt ser QTE w wk rust (jar-lim) surface stain - v fig intergrain mineral- MnO2??
7128	18-Sep-05	Z662	FEN 69	115 O/14	583481	7072535	0.50m	chip	SCH	chl	she, decomposed SCH w interstitial halotrichite, 138/35
7129	18-Sep-05	Z662	FEN 69	115 O/14	583496	7072547	0.20m	chip	FLT	gou	wh-lt gy-or cly FLT gouge, 138/85
7130	18-Sep-05	Z662	FEN 69	115 O/14	583503	7072555	0.80m	chip	PEG	she	sheared-faulted grn PEG, alt fel
7131	18-Sep-05	Z662	FEN 69	115 O/14	583512	7072561	0.10m	chip	FLT	gra	faulted bk gra QTE chips & crush

ROCK SAMPLE DESCRIPTIONS (Boulder Mining Dawson Project 2005 - R. Zuran)											pg 2
Sample Number	Date d/m/y	Station Number	Claim Name	NTS	NAD 83 Easting	Northing	Width (size)	Sample Type	Rock Type	Rock Modifier (s)	DESCRIPTION (colour, texture, mineralogy, alteration, structure)
7132	20-Sep-05	Z662	FEN 69	115 O/14	583511	7072561	0.70m	chip	QTE	alt	or lim stn QTE, local gra MnO2 on frac pl, HW to gra FLT (7131)
7133	20-Sep-05	Z662	FEN 69	115 O/14	583513	7072565	1.60m	chip	SCH	alt	mic(chl)-kao? SCH w 10% or lim stn foliaform qtz lenses
7134	20-Sep-05	Z662	FEN 69	115 O/14	583514	7072566	1.00m	chip	SCH	she	wh-or cal-halotrichite-lim coatings on she mic (mus-chl-bio-phl) SCH
7135	20-Sep-05	Z662	FEN 69	115 O/14	583515	7072569	2.20m	chip	SCH	she	greasy v fig chl-ser she SCH w 10% she seams of lt gy & or cly gou
7136	20-Sep-05	Z662	FEN 69	115 O/14	583517	7072570	2.00m	chip	SCH	ox	or w intense lim stn, qtz-ser SCH, 180 cps
7137	21-Sep-05	Z676	BJM 47	115 O/14	587380	7071648	0.80m	chip	SCH	mic	sv-gy (bio-mus-phl-chl) qtz SCH, HW rock to Great White qtz vn, 130 cps
7138	21-Sep-05	Z676	BJM 47	115 O/14	587381	7071648	0.90m	chip	VN	qtz	wh-gy-wk rust, lim stn+fig dk impurities, glassy mas qtz vn - "Great White" HW half (1.80m tot tk) 60 cps
7139	21-Sep-05	Z676	BJM 47	115 O/14	587382	7071650	0.90m	chip	VN	qtz	milky-glassy wh w local grayer impure areas - "Great White" mas qtz vn - FW half (1.80m tot tk), 60 cps
7140	21-Sep-05	Z676	BJM 47	115 O/14	587382	7071650	0.80m	chip	SCH	mic	siliceous dk gy glassy (bio-mus-phl-chl) qtz SCH, FW rock to Great White qtz vn, 70 cps
7141	22-Sep-05	Z678	BJM 47	115 O/14	587464	7071674	1.40m	chip	SCH	mus	bright wh-sv SCH; white sucrosic qtz-fel? Interstitial to streaked glassy qtz; meta-felsite?? 200 cps
7142	22-Sep-05		BJM 47	115 O/14	587340	7071673	0.80x0.80m	float	VN	qtz	wh mas frac, wk lim stn in frac - Great White?
7143	22-Sep-05		BJM 47	115 O/14	587298	7071633	.40x1.20x0.70r	float	VN	qtz	wh mas frac, wk lim stn in frac - rolled down hill from Great White?
7144	23-Sep-05	Z679	BJM 63	115 O/14	584122	7072598	2.00m	chip	SST	imm	character sample, or-yw weathering, meg, mic, fos (plant-matter, bk coal), semi-quartoze SST, 140 cps
7145	24-Sep-05		BJM 65	115 O/14	585040	7072264	0.60m	chip	SHE	sch	she w chl PHY?SCH in upper half and or-rusty qtz vn crush in lower half, 160 cps
7146	25-Sep-05	Z688	BJM 66	115 O/14	585548	7072290	0.40m	chip	QTZ	pod	mas lim stn gra (in frac) qtz pod between fol, 210 cps
7147	27-Sep-05	Z696	FEN 1126	115 O/14	581330	7071855	5m	grab	SCH	ox	yw-or (ox) lim stn chl SCH in pit, 160 cps
7148	27-Sep-05	Z696	FEN 1126	115 O/14	581314	7071860	10m	grab	SCH	wk sil	v fig dustings/dis of py on frac surfaces and between folae, 140 cps
7149	27-Sep-05	Z698	BJM 67	115 O/14	586080	7072129	4m	grab	BXA	flt	sil qte BXA
7150	27-Sep-05	Z698	BJM 67	115 O/14	586083	7072122	5m	grab	BXA	flt	clast (angular) supported, sil, QTE, chlPHY/SCH low angle thrust (?) flt BXA
7151	27-Sep-05	Z714	BJM 47	115 O/14	587546	7071593	0.1	chip	QTZ	vn	milky wh mas frac qtz with lim + wk MnO2 stn + ser-mus along frac; X-cuts the fol
7152	01-Oct-05	Z718	FEN 634	115 O/11	591511	7059118	10m	float	AND	por	hbl-fel AND por flow, wkly - mod magnetic, unaltered, no frac - fresh character sample; Carmacks Gp, 130 c
7153	01-Oct-05	Z663	FEN 69	115 O/14	583518	7072572	2.80m	chip	SCH	ser	or-yw intense lim stn qtz-ser SCH (meta-RHY?)
7154	01-Oct-05	Z663	FEN 69	115 O/14	583524	7072575	2.40m	chip	SCH	ser	yw-or lt rust lim stn qtz-ser SCH/QTE
7155	01-Oct-05	Z663	FEN 69	115 O/14	583526	7072576	2.40m	chip	SCH	ser	yw-or lt rust lim stn qtz-ser SCH/QTE, alt fel noted (alt meta-RHY?)
7156	01-Oct-05	Z663	FEN 69	115 O/14	583532	7072579	10m	grab	SCH	ser	predominantly yw-or ser-qtz SCH
7157	01-Oct-05	Z663	FEN 69	115 O/14	583540	7072582	2.50m	chip	SCH	ser	yw-or-bn (lt rust) ser-qtz SCH
7158	01-Oct-05	Z663	FEN 69	115 O/14	583541	7072582	1.00m	chip	SCH	ser	snow wh she ser (hbl-tou? alt fel?) SCH (meta GRN?)
7159	01-Oct-05	Z663	FEN 69	115 O/14	583542	7072583	1.50m	chip	SCH	ser	gy-bn she phy/SCH, local lim stn
7160	01-Oct-05	Z663	FEN 69	115 O/14	583544	7072584	1.60m	chip	FLT	qte	bk gra she (several), off wh milled qte, wh ser-kao cly gou, minor or ox cly gou.
7161	01-Oct-05		OFF CLAIMS	115 O/14	583591	7072610	1.20m	chip	SCH	ser	or-yw rust ser-qtz SCH - close (3m) to meta-grn peg
7162	01-Oct-05		OFF CLAIMS	115 O/14	583597	7072607	1.00m	chip	PEG	grn	fol-she mus-fel-qtz (hbl-tou?) grn PEG, 145 cps
7163	01-Oct-05		OFF CLAIMS	115 O/14	583646	7072622	0.30m	chip	FLT	qte	ser-lim fig interstitial crush to rolled gy qte frag, 110cps
7164	01-Oct-05	Z677	BJM 63	115 O/14	584352	7072477	10m diametre	float	SH	dk bn-gy	fine decomposed SH chips in a plowed out area
7165	01-Oct-05	Z693	BJM 67	115 O/14	585989	7072143	0.20m	chip	QTZ	vn	wh-milly-glassy, x-cutting, mas, lim stn on frac
7166	01-Oct-05	Z694	BJM 68	115 O/14	585989	7072143	1.00m	chip	SCH	qtz	sv-bn mus-phl-qtz SCH, HW to qtz vn (7165)
7167	01-Oct-05	Z695	BJM 69	115 O/14	585990	7072143	1.00m	chip	SCH	qtz	or-bn ox lim stn mus-phl-qtz SCH, FW to qtz vn (7165)
7168	01-Oct-05	Z701	BJM 67	115 O/14	586211	7072078	0.30m	chip	FLT	con	HW con to MBL, decomposed PHY, bk gra cly GOU, lim coated QTE, decomposed chl PHY, MBL
7169	01-Oct-05	Z717	BJM 48	115 O/14	587741	7071566	0.25m	chip	QTE	ble	ble, lim stn, mus-ser (fel?) QTE - meta-felsite/rhy parent?
7170	01-Oct-05	Z717	BJM 48	115 O/14	587746	7071560	0.45m	chip	QTZ	vn	mas, glassy, milky wh, with lim along frac pseudomorphing dk bk mineral (hbl, tou?), minor MnO2
7171	03-Oct-05	Z719	FEN 95	115 O/14	582300	7071686	10m	grab	QTE	alt	intense v fig interstitial ser and qtz flooding in a ble, lea & lim stn QTE, 85 cps
7172	03-Oct-05	Z720	FEN 114	115 O/14	582204	7071722	5m	grab	SST	fos qtz	moderate ser alt interstitial to qtz grains, 90 cps
7173	?		PEBBLE 3	115 O/14	584627	7070958		grab	SST	alt	off wh alt ser-kao? In imm SST in Sample Pit # 15 - sampled by H. Veldhuyzen
7174	?		PEBBLE 5	115 O/14	584896	7071043		grab	SST	ox	imm SST with narrow ble alt along frac fillings - Sample Pit # 25 - sampled by H. Veldhuyzen
7175	?		PEBBLE 6	115 O/11	584779	7070285		grab	SST	alt	dk gn imm chl alt (mic) SST - sampled by H. Veldhuyzen

SOIL SAMPLE DESCRIPTIONS (Boulder Mining Dawson Project 2005 - R. Zuran)

Sample Number	Date d/m/y	Station Number	Claim Name	NTS	NAD 83 Easting	Northing	Colour	Fraction cly	slt	san	grv	0rg	Comments
18419	23-Sep-05	Z679	OFF CLAIMS	115 O/14	584029	7072608	or-lt gy & bk	4	4	1	1	0	some bk coal
18420	23-Sep-05	Z679	OFF CLAIMS	115 O/14	584065	7072609	gy-off wh & bk	6	1	2	1	0	decomp mic SLT, cly altered
18421	23-Sep-05	Z679	OFF CLAIMS	115 O/14	584080	7072608	dk gy	4	3	2	1	0	decomp dk gy greasy mic SLT, 275 cps
18422	23-Sep-05	Z679	BJM 63	115 O/14	584106	7072601	bn	2	7	0	1	0	directly below meg imm SST o/c
18423	23-Sep-05	Z679	BJM 63	115 O/14	584123	7072594	gy	3	5	1	1	0	directly below meg imm SST o/c
18424	23-Sep-05	Z679	BJM 63	115 O/14	584144	7072580	gy	4	5	0	1	0	mixed, noted Nasina pebbles/cobbles

SAMPLES for PETROGRAPHY STUDIES (Boulder Mining Dawson Project 2005 - R. Zuran)							
Sample	Section Type		NTS 115 O/14 - NAD 83		Field Name		Questions for Answer
Label	Polished Thin	Thin	Easting	Northing	Rock Type	Modifiers	
Z-663; 7155		X	583526	7072576	SCH	ser	alteration? Parent rock?
Z-637; 7119		X	589412	7071535	RHY	qtz-fel por	mineralogy, sulphides?
Z-654; 7118		X	583073	7072404	FLT	grn peg	mineralogy, black minerals?
Z-687		X	585540	7072370	GNE	gy fol	meta-intrusive?,meta-hypabyssal? Feldspars?
Z-679		X	584122	7072598	SST	meg	grain composition?, alteration?
Z-649		X	581382	7072082	GNE	ortho	alteration? Parent rock?
Z-663; 7158		X	583541	7072582	SCH	ser	alteration? Parent rock?
Z-717-J		X	587809	7071603	AMP	bio	dark fine grain mineralogy? Parent rock?
Z-717-F		X	587757	7071611	SCH	mus-qtz	meta-felsite; parent?
Z-694		X	586101	7072175	MBL	fol	mineralogy - impurities?, alteration?
Z-696; 7148	X		581314	7071860	SCH	wk sil	any other sulphides besides py? could this be of volcanic origin? has it been silicified?

OCTOBER 11, 2005

BOULDER MINING CORPORATION
800-850 West Hastings Street
Vancouver, British Columbia
Canada, V6C 1E1
Ph: 604-899-4300

Attn. Jim Grinnell

VANCOUVER PETROGRAPHICS
8080 Glover Rd.
Langley, British Columbia
Canada, V1M 3S3
Ph: 604-888-1323

Attn. Jim Vinnell

Dear Jim,

Please find enclosed 11 samples for section with accompanying information. We'd like 10 thin sections and 1 polished section as listed. Also we'd like a report on each section with pictures.

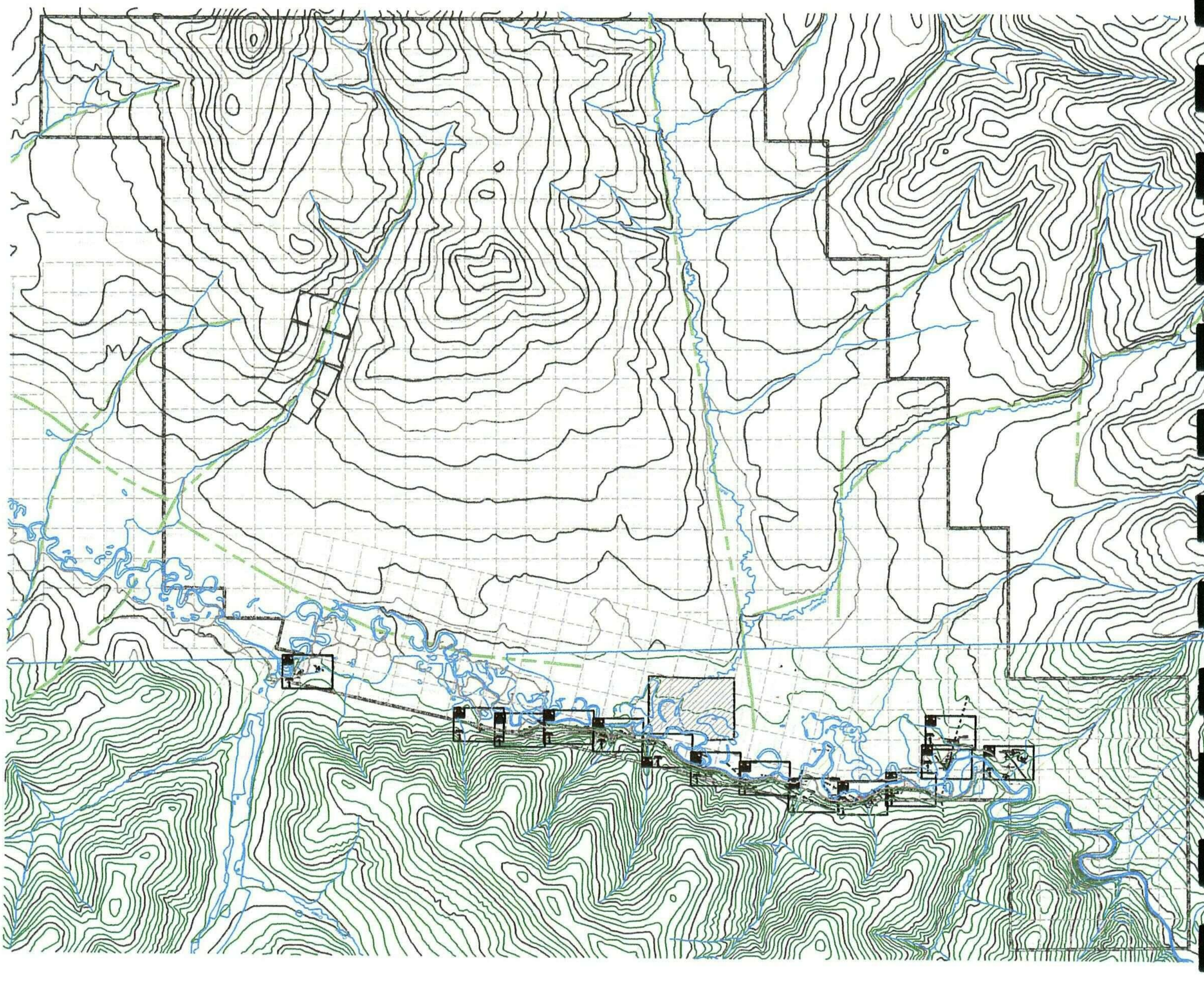
These samples are from our gold project in the Klondike region; poly-deformed metamorphic package (except 7119). Most interested in basic mineral make up, particulary alteration minerals and if there's any information regarding the parent rock type (relic textures, etc) would be useful to us.

Please send reports, etc. and invoice to Jim Grinnell at Boulder's above address.
Thanks very much.

Sincerely, Rick Zuran
Consultant Geologist

APPENDIX 2

MAPS 1-14 (Geological Data Maps – 1:2,000 Scale)
LITHOLOGY LEGEND (to accompany Maps 1-14)
SYMBOLS LEGEND (to accompany Maps 1-14)



GEOLOGICAL SYMBOL LEGEND

(all structural measurements-Right Hand Rule)

45 220 / 220	Bedding: inclined; vertical	000	Lineation (SS-slickensides, crenulation cleavage)
45 220 / 220	Foliation: inclined; vertical	FA 000	Fold Axis; Vergence Direction
040 45 / 000	Jointing: inclined; vertical	75 / U D	Fault or Shear; Showing Up/Down Movement
45 220 / 45 220 / 000	Veining, veinlets: inclined (quartz-blue); vertical		Shallow Angle Shear or Thrust
	Defined Geological Contact	▲ Z-500 def qtz-mic SCH 90 cps	Geological Data Station (Scintillation count-total counts/second)
	Approximated Geological Contact		
	Interpreted Geological Contact		
	Interpreted Satellite Lineament		Locator Dot
	Gossanous Outcrop		Quartz Float Boulders
	Gossanous Float or Soil		Quartz Vein; Pegmatite Vein
	Limit of Outcrop		Limit of Float

SAMPLE TYPE LEGEND

ROCK

P	Petrographic Analysis (Thin or Polished Thin Section)
/	Chip
□	Grab
△	Float
7154	Rock Sample Number (notes include width, or size)

SOIL

○	Soil
18423	Soil Sample Number

All samples submitted for ICP-MS 36 element (Au+35) analysis. (2005, field season)

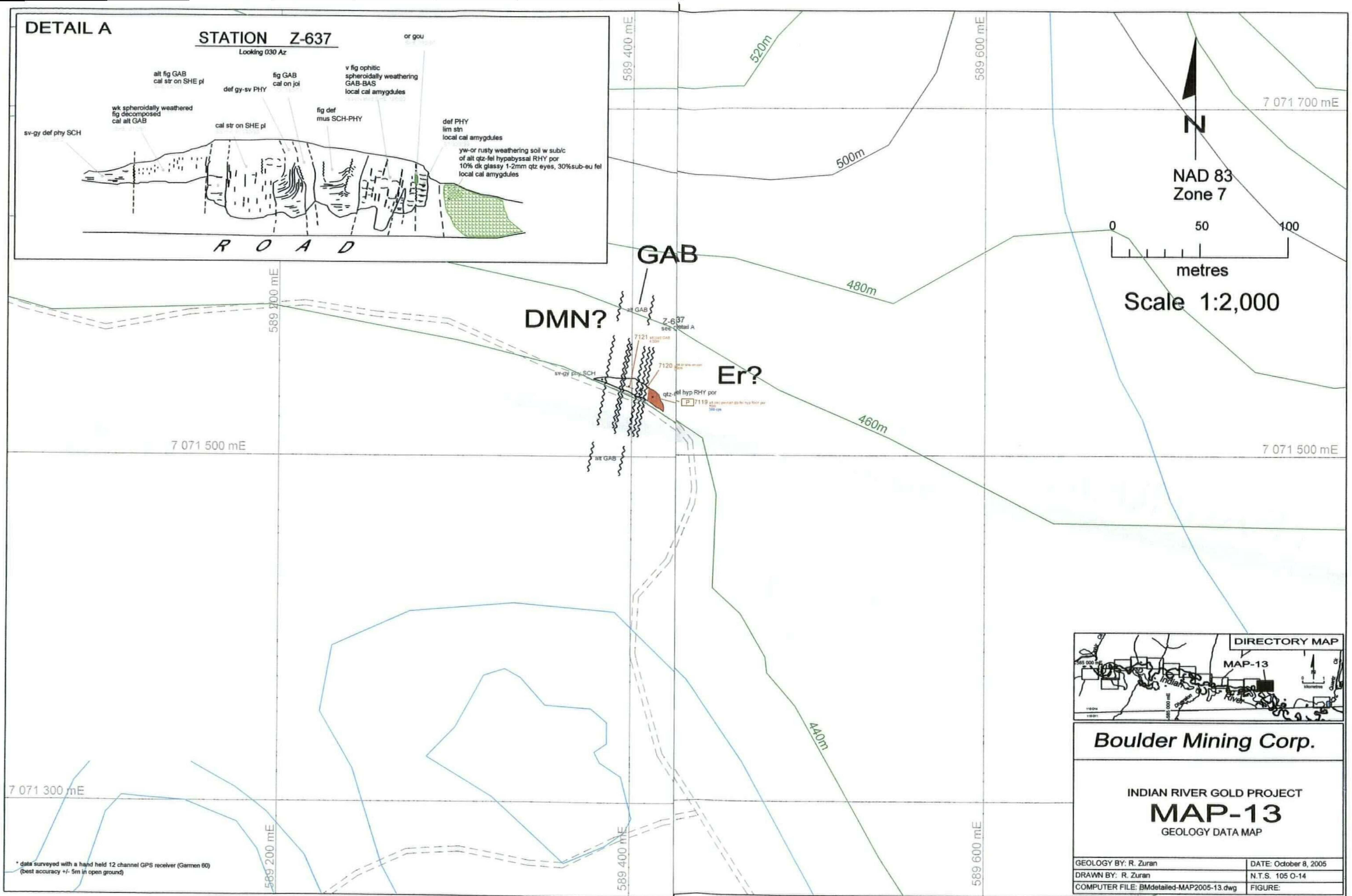
OTHER

Property Boundary

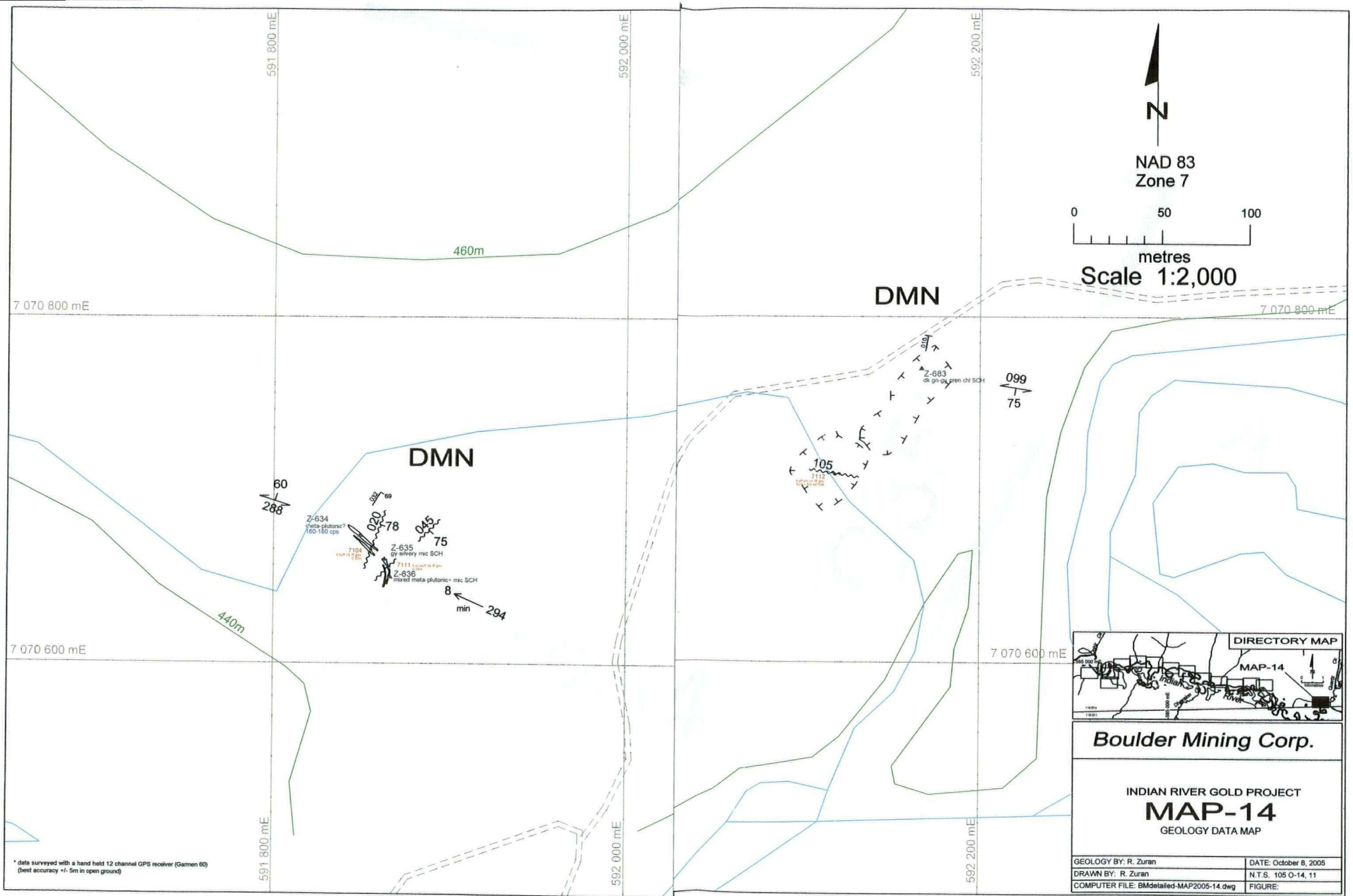
Yukon Quartz Mineral Claim 1500x1500'
(claim name & grant number)

*to accompany 2005 detailed geology MAPs 1-14

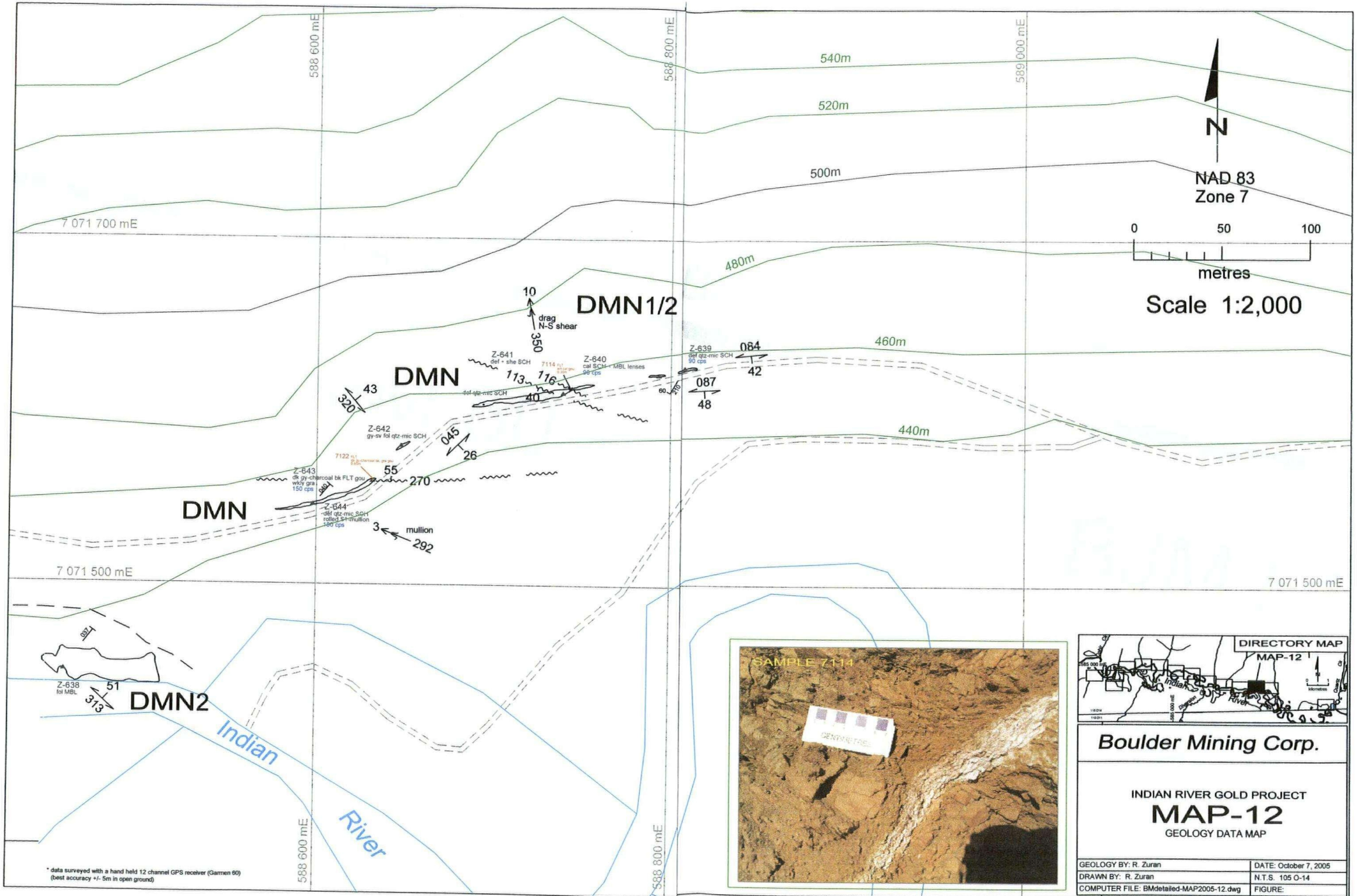
BOULDER MINING CORP.	
INDIAN RIVER GOLD PROJECT SYMBOLS LEGEND	
WORK BY: R.Zuran, B.Sc. Geology	COMPUTER FILE: BM-symbLEGEND2005.dwg
DATE: Oct 9, 2005	FIGURE:



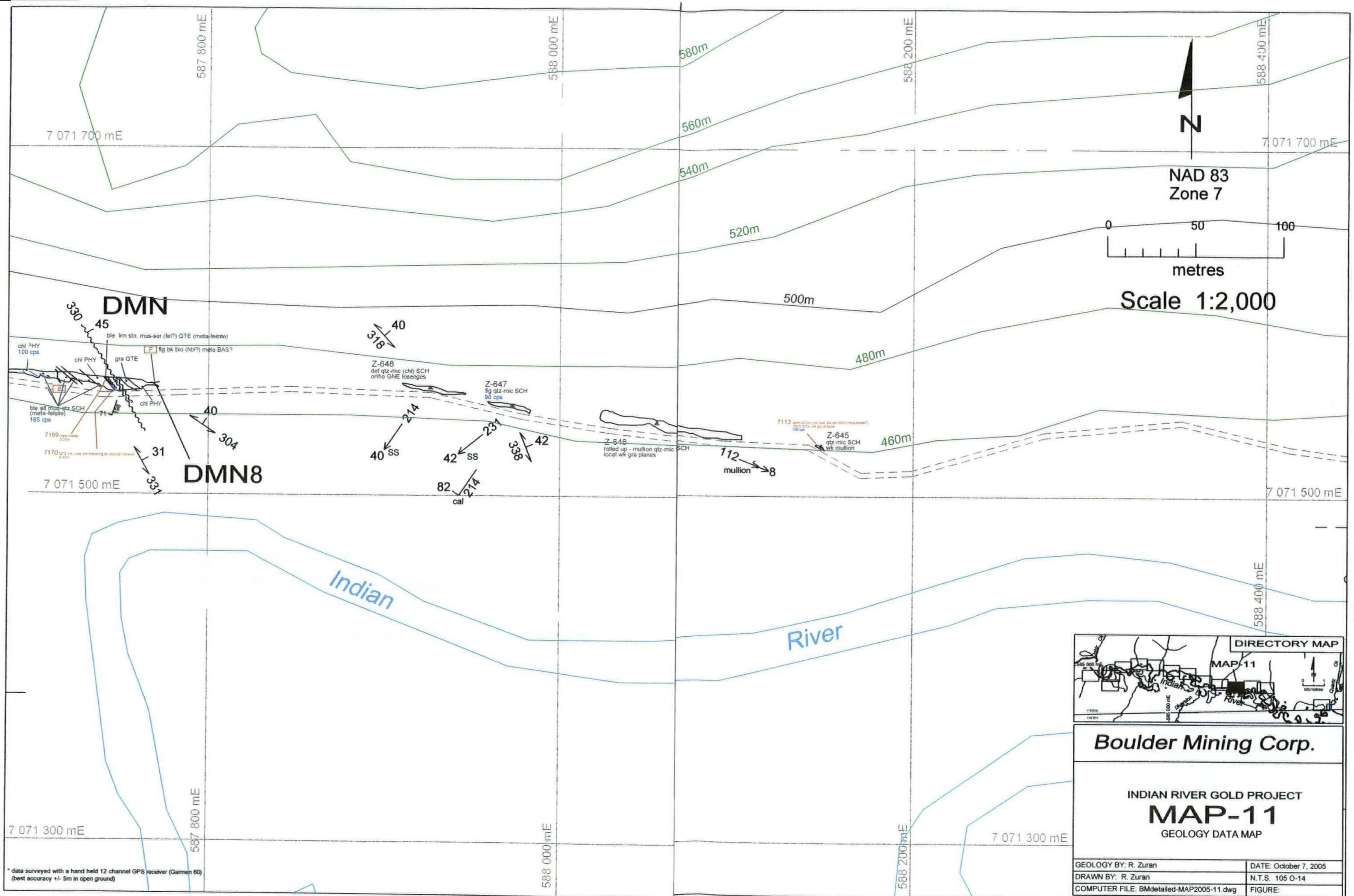
DETAIL A
STATION Z-637
Looking 030 Az
or gou
alt fig GAB
cal str on SHE pl
fig GAB
cal on joi
def gy-sv PHY
v fig ophitic
spheroidally weathering
GAB-BAS
local cal amygdules
wk spheroidally weathered
fig decomposed
cal alt GAB
fig def
mus SCH-PHY
cal str on SHE pl
sv-gy def phy SCH
def PHY
lim stn
local cal amygdules
yw-or rusty weathering soil w sub/c
of alt qtz-fel hypabyssal RHY por
10% dk glassy 1-2mm qtz eyes, 30%sub-eu fel
local cal amygdules
R O A D
589 400 mE
589 600 mE
520m
500m
480m
460m
440m
7 071 700 mE
7 071 500 mE
7 071 300 mE
589 200 mE
GAB
DMN?
Er?
alt GAB
Z-637
see Detail A
7121
7120
sv-gy phy SCH
qtz-fel hyp RHY por
P 7119
N
NAD 83
Zone 7
0
50
100
metres
Scale 1:2,000
DIRECTORY MAP
MAP-13
Indian River
Boulder Mining Corp.
INDIAN RIVER GOLD PROJECT
MAP-13
GEOLOGY DATA MAP
GEOLOGY BY: R. Zuran
DATE: October 8, 2005
DRAWN BY: R. Zuran
N.T.S. 105 O-14
COMPUTER FILE: BMdetailed-MAP2005-13.dwg
FIGURE:
* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)

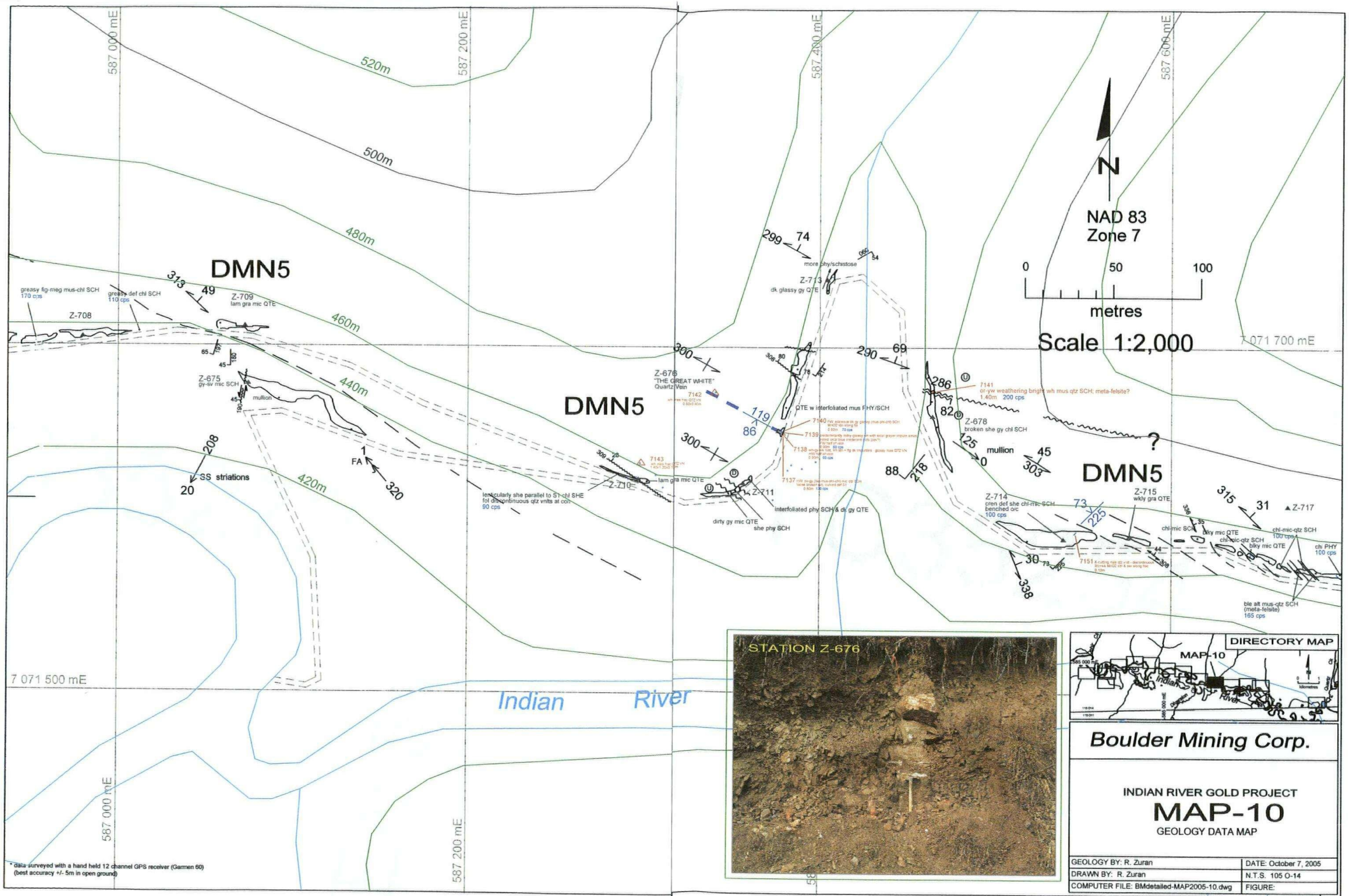


591 800 mE
592 000 mE
592 200 mE
7 070 800 mE
7 070 600 mE
460m
440m
DMN
DMN
60
288
032
69
Z-634
meta-plutonic?
160-180 cps
020
78
045
75
7104
Z-635
gy-silvery mic SCH
7111
Z-636
mixed meta-plutonic+ mic SCH
8
min
294
Z-683
dk gn-gy gren chl SCH
099
75
105
7112
N
NAD 83
Zone 7
0
50
100
metres
Scale 1:2,000
DIRECTORY MAP
MAP-14
Indian
River
Boulder Mining Corp.
INDIAN RIVER GOLD PROJECT
MAP-14
GEOLOGY DATA MAP
GEOLOGY BY: R. Zuran
DRAWN BY: R. Zuran
COMPUTER FILE: BMdetailed-MAP2005-14.dwg
DATE: October 8, 2005
N.T.S. 105 O-14, 11
FIGURE:
* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)

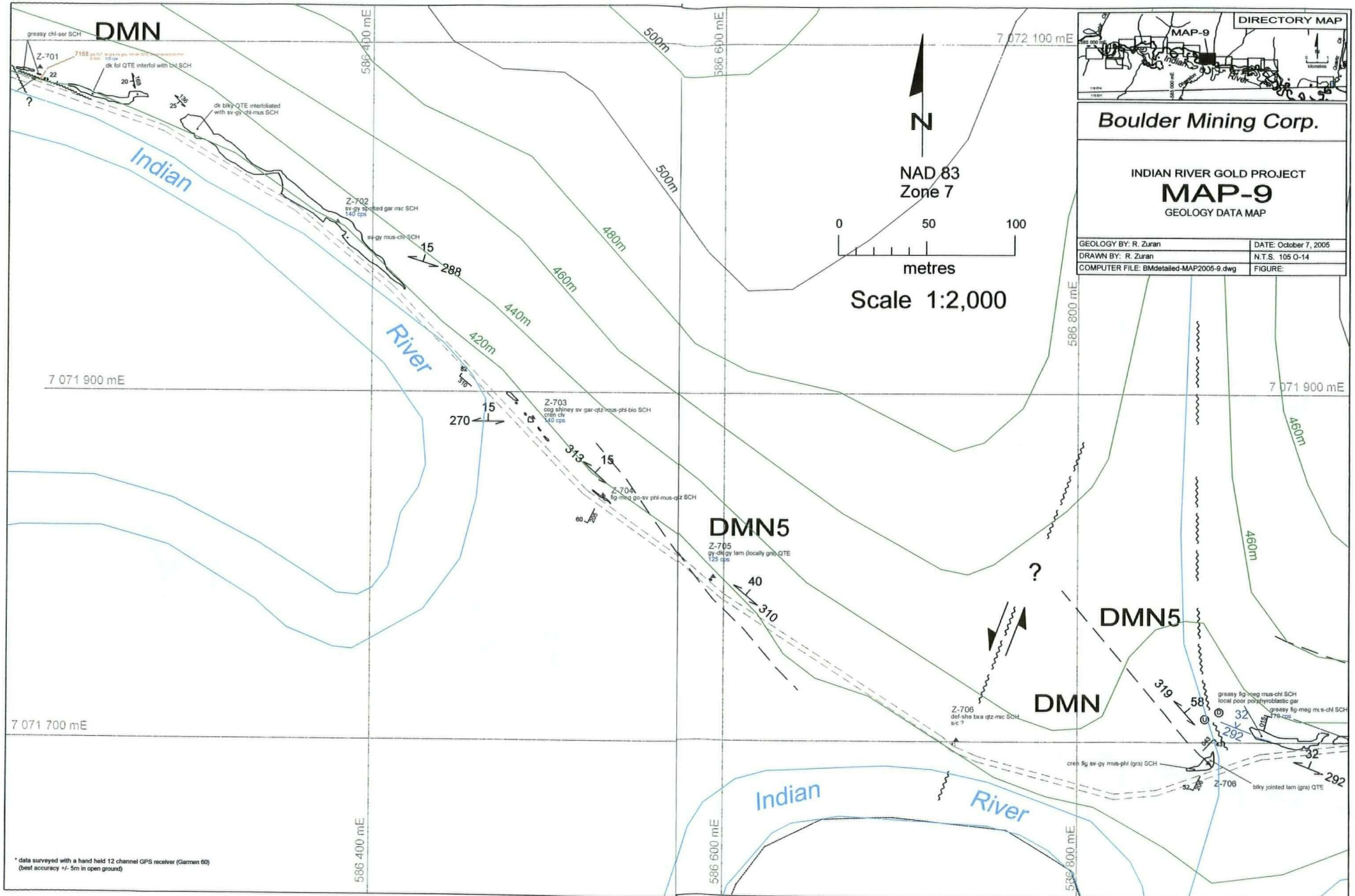


588 600 mE
588 800 mE
589 000 mE
540m
520m
500m
480m
460m
440m
7 071 700 mE
7 071 500 mE
N
NAD 83
Zone 7
0
50
100
metres
Scale 1:2,000
DMN1/2
10
drag
N-S shear
350
Z-641
def + she SCH
7114
Z-640
cal SCH + MBL lenses
90 cps
Z-639
def qtz-mic SCH
90 cps
084
42
087
48
DMN
43
320
113
116
def qtz-mic SCH
40
60
210
Z-642
gy-sv fol qtz-mic SCH
045
26
7122
Z-643
dk gy-charcoal bk FLT gou
wkly gra
150 cps
040
55
270
DMN
Z-644
def qtz-mic SCH
rolled S1-mullion
180 cps
3
mullion
292
Z-638
fol MBL
51
313
DMN2
Indian
River
* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)
SAMPLE 7114
DIRECTORY MAP
MAP-12
585 000 mE
Indian
River
Boulder Mining Corp.
INDIAN RIVER GOLD PROJECT
MAP-12
GEOLOGY DATA MAP
GEOLOGY BY: R. Zuran
DRAWN BY: R. Zuran
COMPUTER FILE: BMdetailed-MAP2005-12.dwg
DATE: October 7, 2005
N.T.S. 105 O-14
FIGURE:

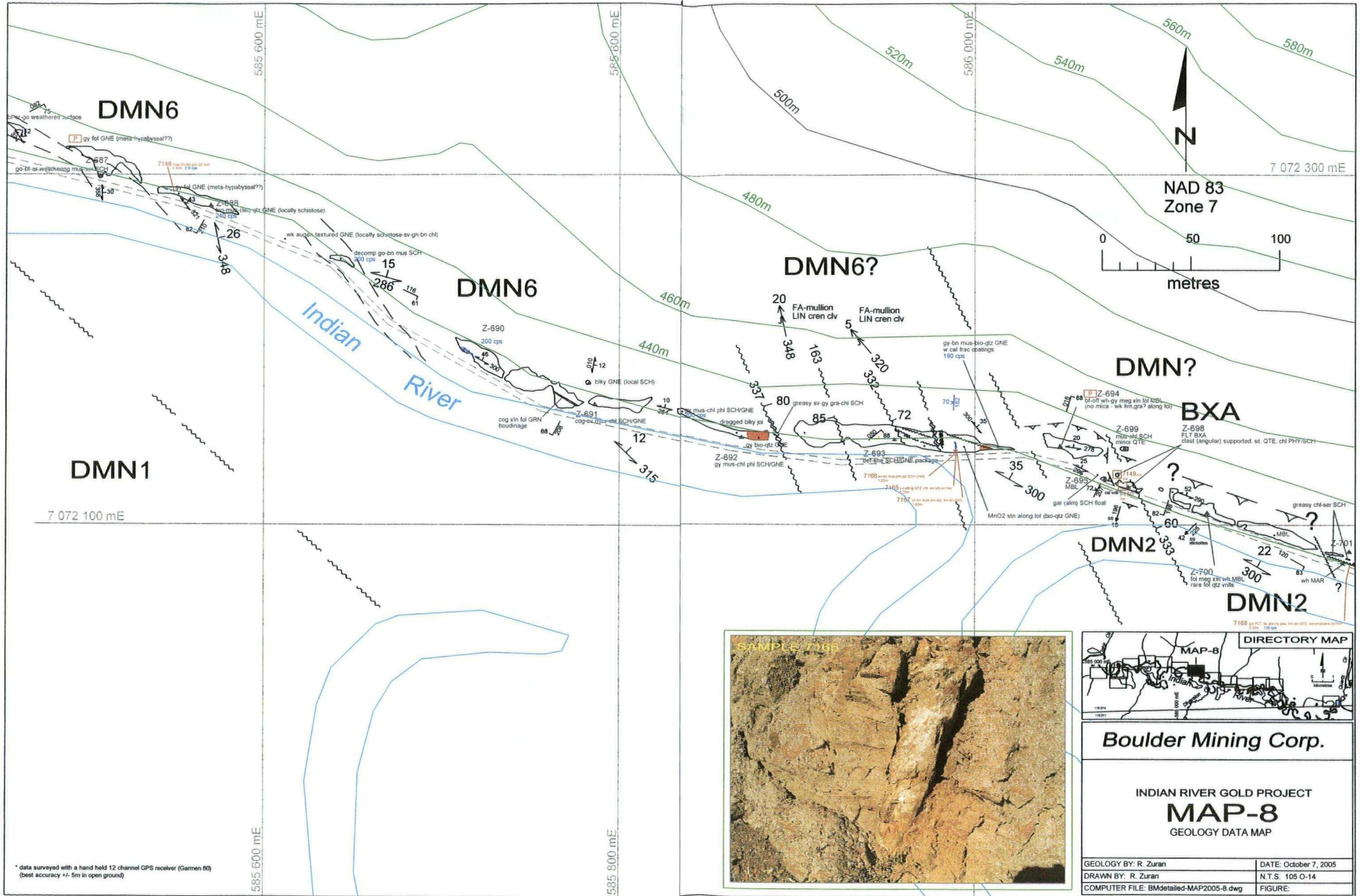

587 800 mE
588 000 mE
588 200 mE
588 400 mE
7 071 700 mE
7 071 500 mE
7 071 300 mE
580m
560m
540m
520m
500m
480m
460m
N
NAD 83
Zone 7
0
50
100
metres
Scale 1:2,000
DMN
DMN8
330
45
ble. lim stn, mus-ser (fel?) QTE (meta-felsite)
fg bk bio (hbl?) meta-BAS?
chl PHY
100 cps
chl PHY
gra QTE
chl PHY
(meta-felsite)
165 cps
71
40
304
31
331
318
40
Z-648
def qtz-mic (chl) SCH
ortho GNE losenges
Z-647
fg qtz-mic SCH
90 cps
214
40 SS
231
42 SS
338
42
82
214
cal
Z-646
rolled up - mullion qtz-mic SCH
local wk gra planes
112
mullion
8
Z-645
qtz-mic SCH
wk mullion
Indian
River
* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)
DIRECTORY MAP
MAP-11
Boulder Mining Corp.
INDIAN RIVER GOLD PROJECT
MAP-11
GEOLOGY DATA MAP
GEOLOGY BY: R. Zuran
DATE: October 7, 2005
DRAWN BY: R. Zuran
N.T.S. 105 O-14
COMPUTER FILE: BMdetailed-MAP2005-11.dwg
FIGURE:



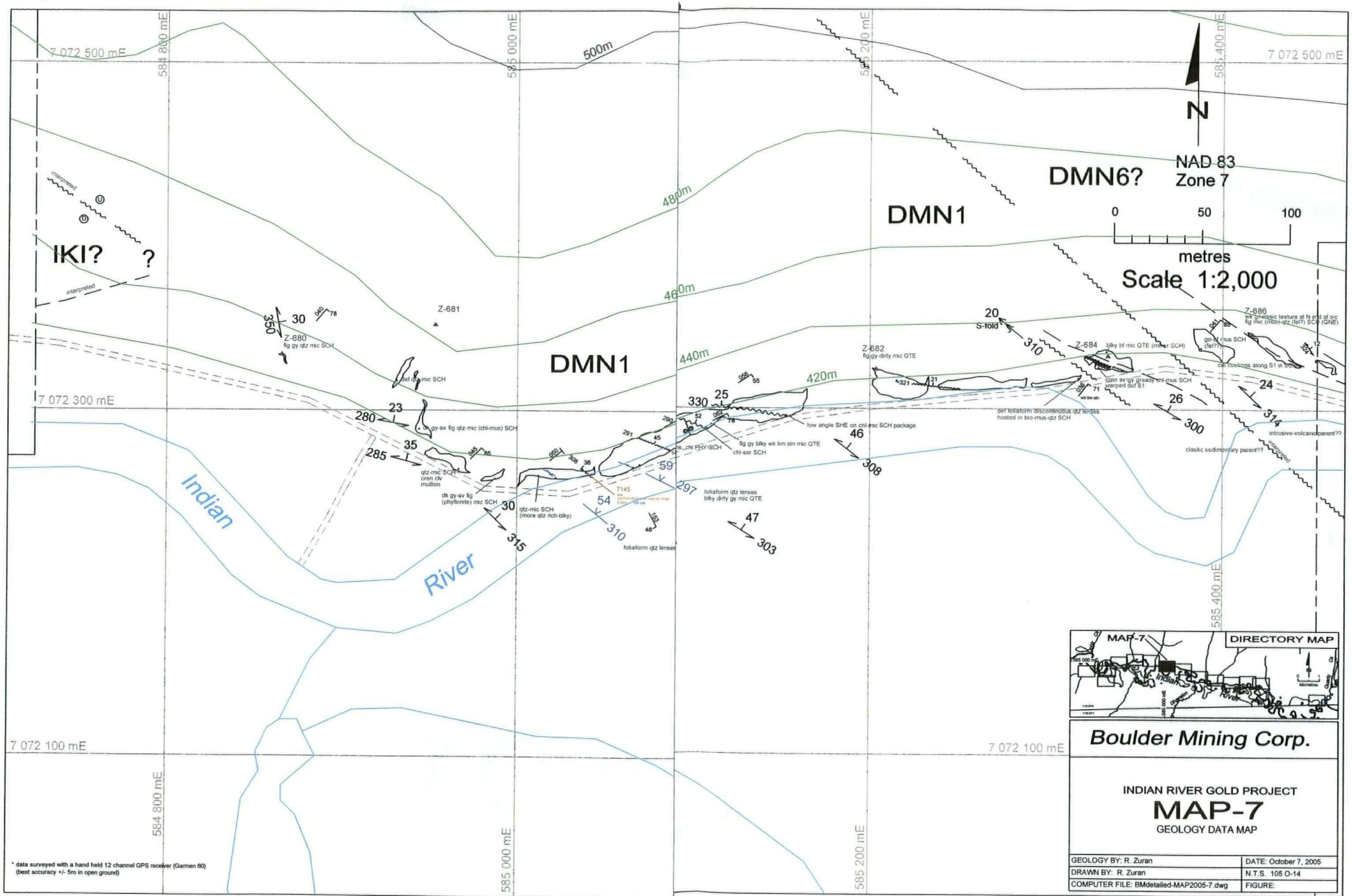
587 000 mE
587 200 mE
587 400 mE
587 600 mE
7 071 700 mE
7 071 500 mE
520m
500m
480m
460m
440m
420m
DMN5
DMN5
DMN5
N
NAD 83
Zone 7
0
50
100
metres
Scale 1:2,000
greasy fg-meg mus-chl SCH
170 cps
greasy def chl SCH
110 cps
Z-708
Z-709
lam gra mic QTE
Z-675
gy-sv mic SCH
mullion
SS striations
FA
Z-676
"THE GREAT WHITE"
Quartz Vein
7142
7143
Z-710
lam gra mic QTE
lenticularly she parallel to S1-chl SHE
fol discontinuous qtz vnlts at con
90 cps
Z-711
dirty gy mic QTE
she phy SCH
interfoliated phy SCH & dk gy QTE
QTE w interfoliated mus PHY/SCH
7140
7139
7138
7137
Z-713
dk glassy gy QTE
more phy/schistose
7141
or-yw weathering bright wh mus qtz SCH; meta-felsite?
1.40m 200 cps
Z-678
broken she gy chl SCH
mullion
Z-714
cren def she chl-mic SCH
benched o/c
100 cps
7151
Z-715
wkly gra QTE
Z-717
chl-mic SCH
blky mic QTE
chl-mic-qtz SCH
100 cps
chl-mic-qtz SCH
blky mic QTE
chl PHY
100 cps
ble alt mus-qtz SCH
(meta-felsite)
165 cps
Indian
River
STATION Z-676
DIRECTORY MAP
MAP-10
Boulder Mining Corp.
INDIAN RIVER GOLD PROJECT
MAP-10
GEOLOGY DATA MAP
GEOLOGY BY: R. Zuran
DATE: October 7, 2005
DRAWN BY: R. Zuran
N.T.S. 105 O-14
COMPUTER FILE: BMdetailed-MAP2005-10.dwg
FIGURE:
* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)



DIRECTORY MAP
MAP-9
Boulder Mining Corp.
INDIAN RIVER GOLD PROJECT
MAP-9
GEOLOGY DATA MAP
GEOLOGY BY: R. Zuran
DATE: October 7, 2005
DRAWN BY: R. Zuran
N.T.S. 105 O-14
COMPUTER FILE: BMdetailed-MAP2005-9.dwg
FIGURE:
N
NAD 83
Zone 7
0
50
100
metres
Scale 1:2,000
7 072 100 mE
7 071 900 mE
7 071 700 mE
586 400 mE
586 600 mE
586 800 mE
500m
480m
460m
440m
420m
Indian
River
DMN
DMN5
greasy chl-ser SCH
Z-701
dk fol QTE interfol with chl SCH
dk blky QTE interfoliated with sv-gy chl-mus SCH
Z-702
sv-gy spotted gar mic SCH
140 cps
sv-gy mus-chl SCH
Z-703
cog shiney sv gar-qtz-mus-phl-bio SCH
cren clv
140 cps
Z-704
fig-meg go-sv phl-mus-qtz SCH
Z-705
gy-dk gy lam (locally gra) QTE
125 cps
Z-706
def-she bxa qtz-mic SCH
s/c ?
greasy fig-meg mus-chl SCH
local poor porphyroblastic gar
greasy fig-meg mus-chl SCH
cren fig sv-gy mus-phl (gra) SCH
blky jointed lam (gra) QTE
* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)



DMN6
DMN6
DMN6?
DMN?
BXA
DMN1
DMN2
DMN2
Indian River
585 600 mE
585 800 mE
586 000 mE
7 072 300 mE
7 072 100 mE
440m
460m
480m
500m
520m
540m
560m
580m
N
NAD 83
Zone 7
0 50 100
metres
gy fol GNE (meta-hypabyssal??)
Z-687
Z-688
Z-690
200 cps
Z-691
Z-692
gy mus-chl phl SCH/GNE
Z-693
Z-694
Z-695
MBL
Z-698
FLT BXA
Z-699
Z-700
Z-701
FA-mullion
LIN cren clv
decomp go-bn mus SCH
blky GNE (local SCH)
dragged blky joi
greasy sv-gy gra-chl SCH
gy-bn mus-bio-qtz GNE
w cal frac coatings
190 cps
MnO2 stn along fol (bio-qtz GNE)
gar (alm) SCH float
greasy chl-ser SCH
wh MAR
cog xln fol GRN
boudinage
SAMPLE 7166
DIRECTORY MAP
MAP-8
Boulder Mining Corp.
INDIAN RIVER GOLD PROJECT
MAP-8
GEOLOGY DATA MAP
GEOLOGY BY: R. Zuran
DATE: October 7, 2005
DRAWN BY: R. Zuran
N.T.S. 105 O-14
COMPUTER FILE: BMdetailed-MAP2005-8.dwg
FIGURE:
* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)



* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)

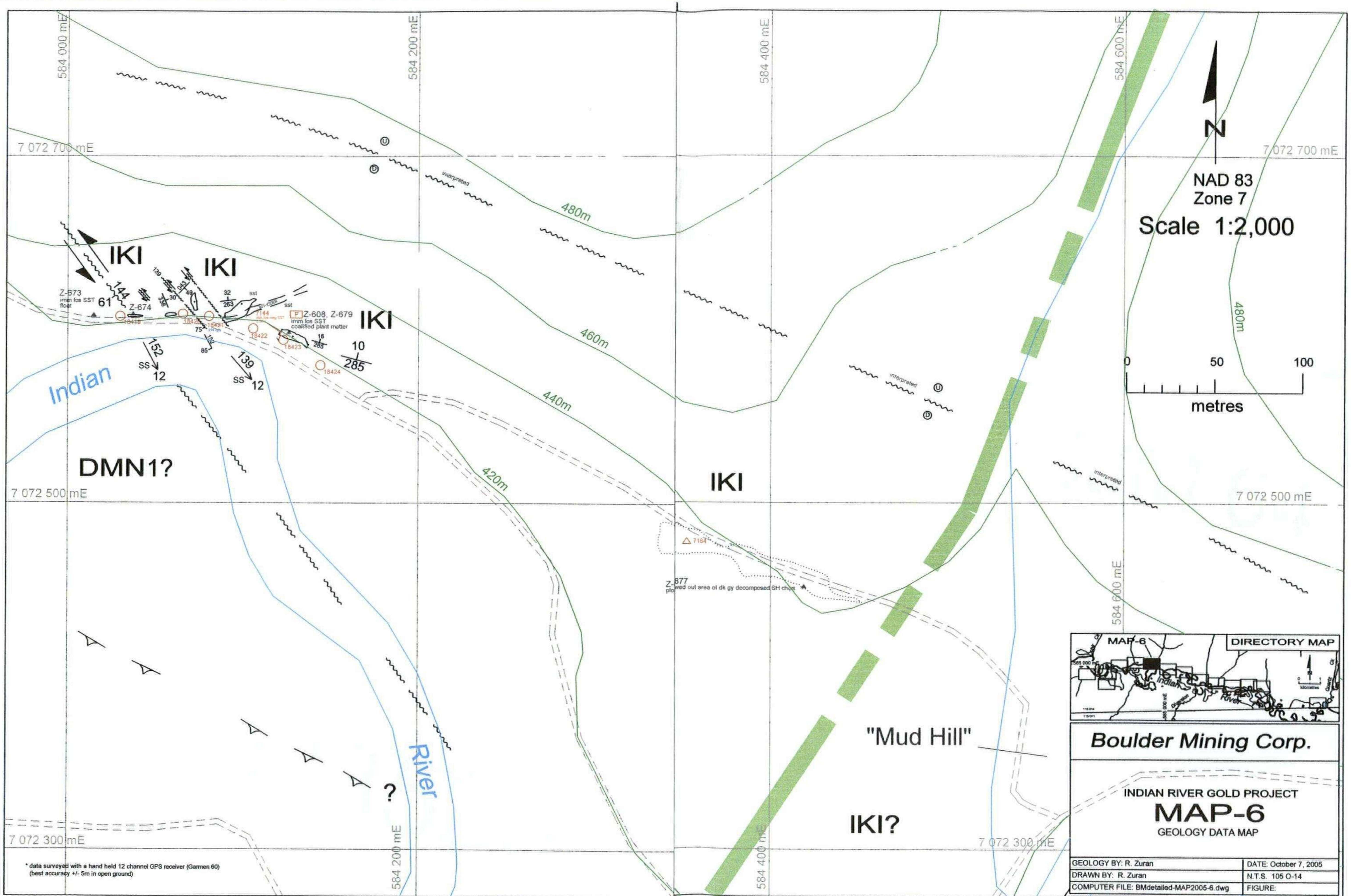
Boulder Mining Corp.

INDIAN RIVER GOLD PROJECT

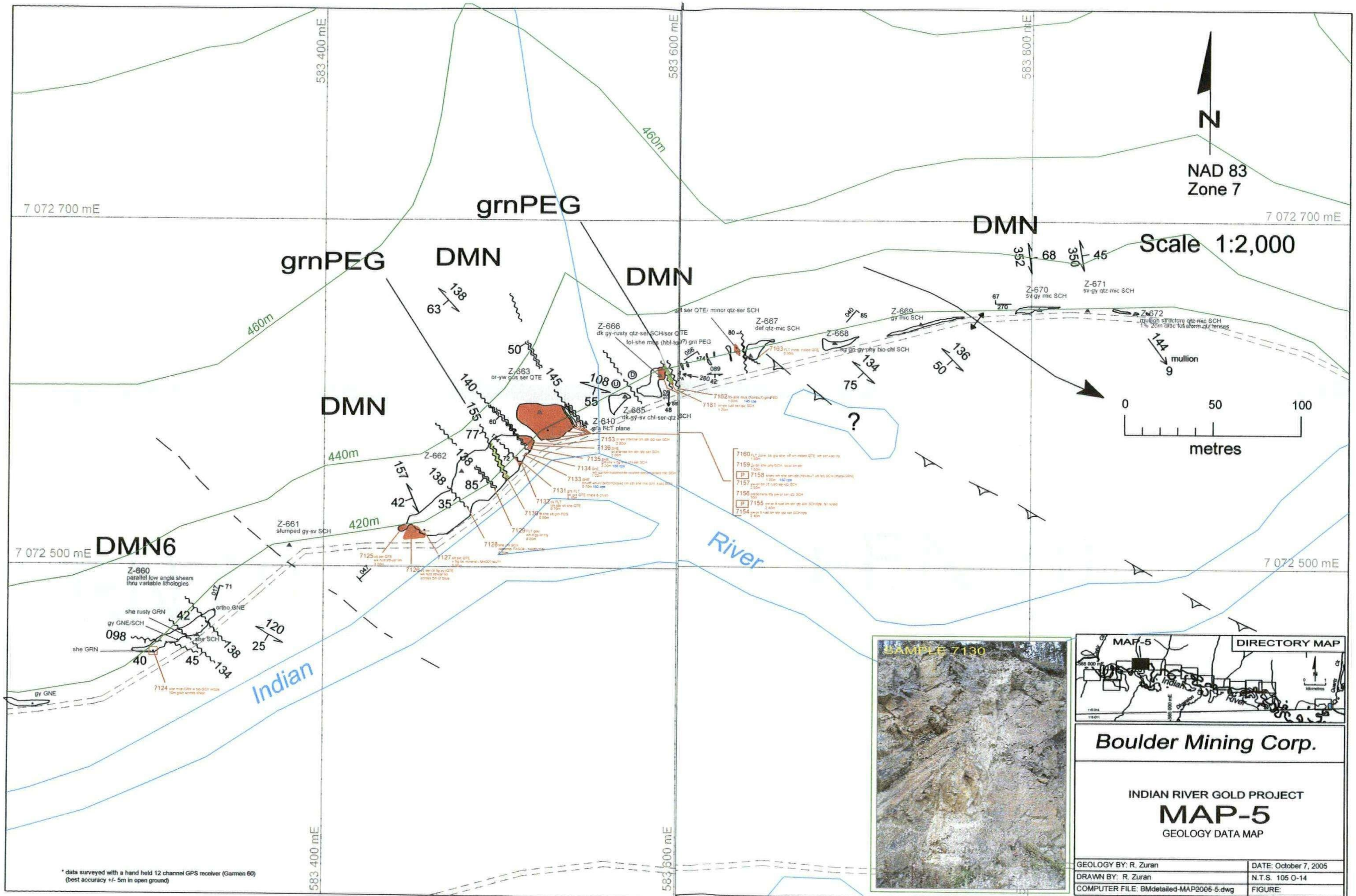
MAP-7

GEOLOGY DATA MAP

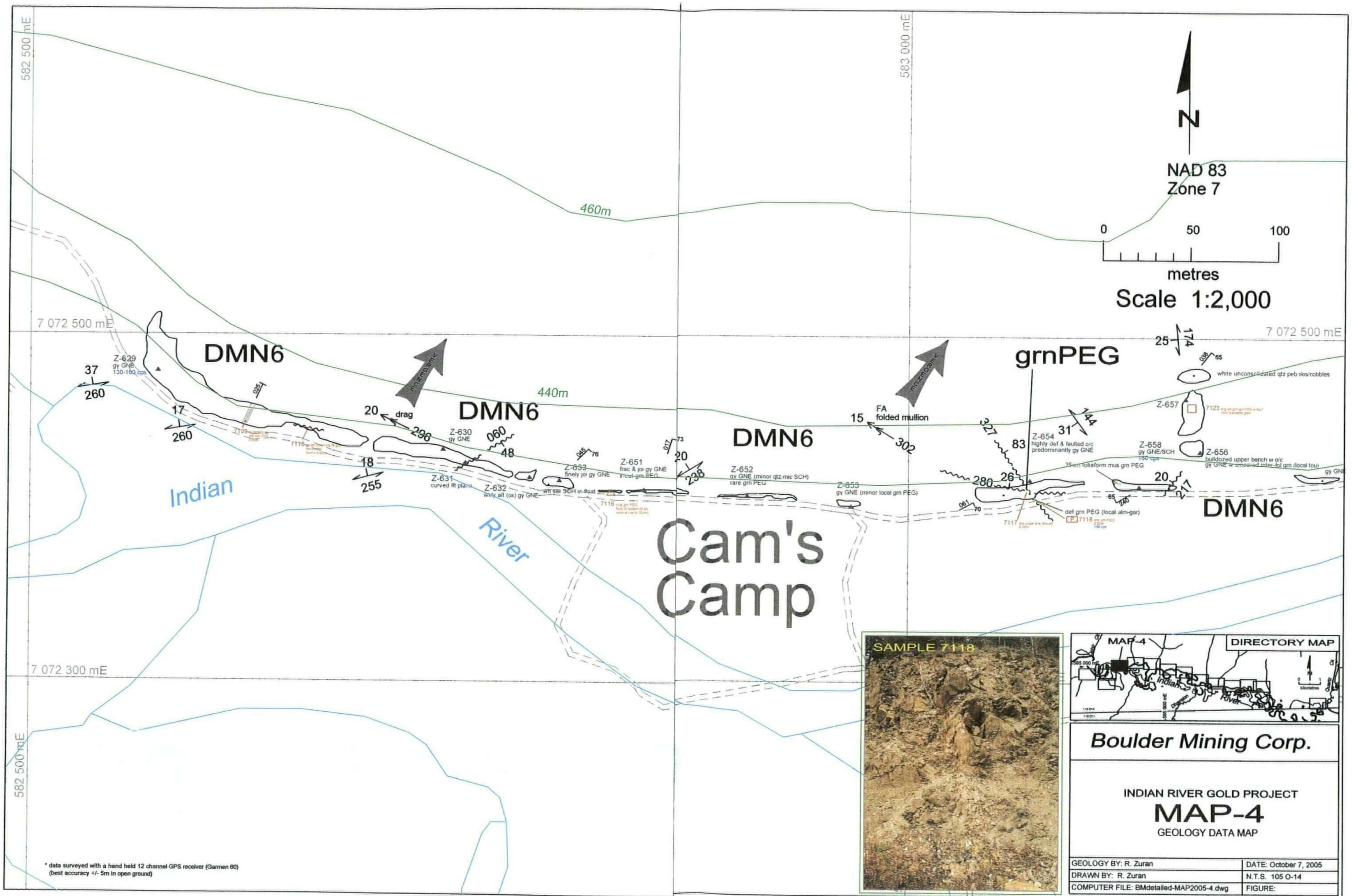
GEOLOGY BY: R. Zuran	DATE: October 7, 2005
DRAWN BY: R. Zuran	N.T.S. 105 O-14
COMPUTER FILE: BMdetailed-MAP2005-7.dwg	FIGURE:



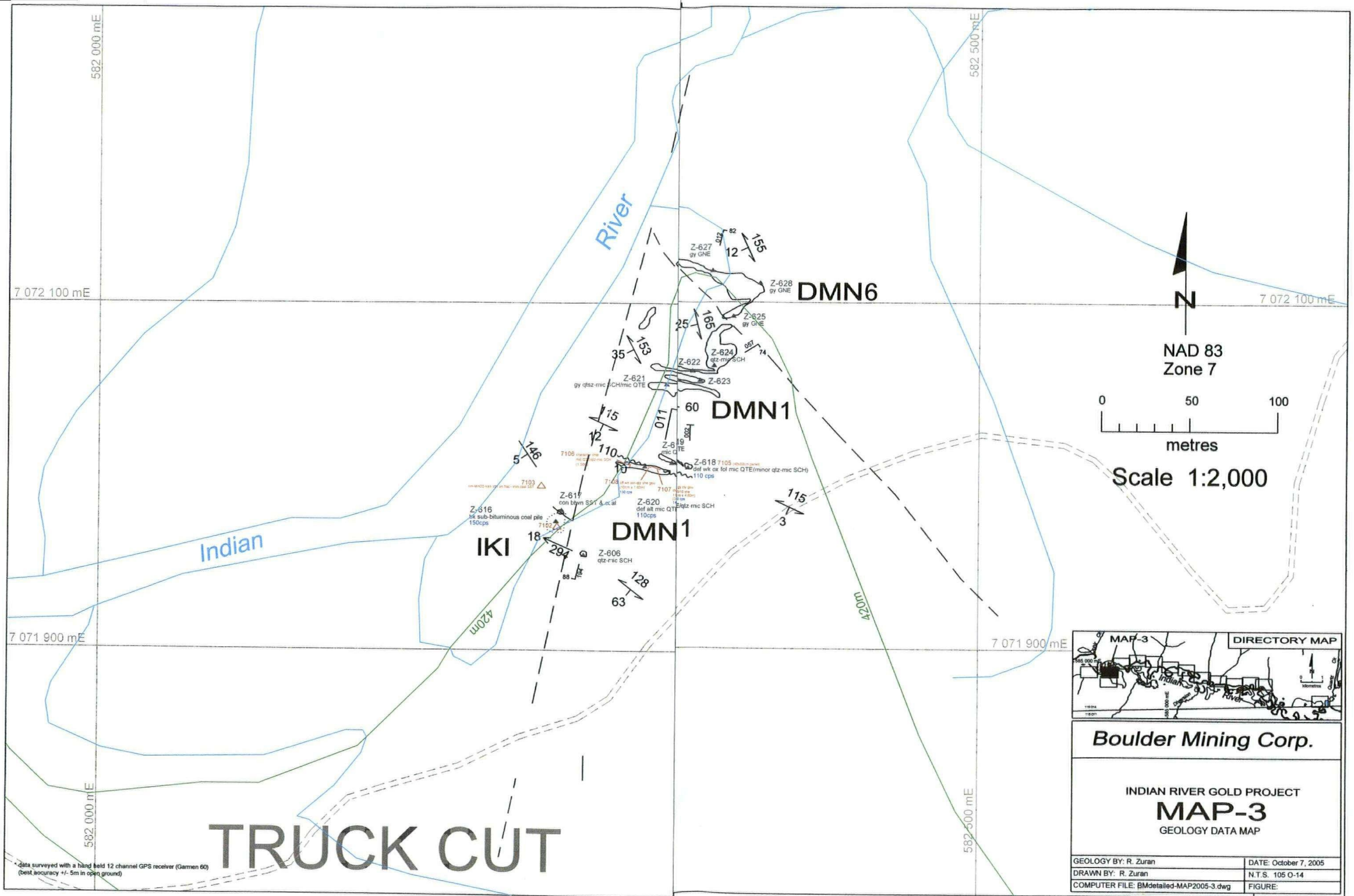
584 000 mE
584 200 mE
584 400 mE
584 600 mE
7 072 700 mE
7 072 500 mE
7 072 300 mE
N
NAD 83
Zone 7
Scale 1:2,000
0
50
100
metres
480m
460m
440m
420m
IKI
IKI
IKI
IKI
IKI?
DMN1?
Indian
River
"Mud Hill"
Z-673
Z-674
Z-608, Z-679
coalified plant matter
interpreted
DIRECTORY MAP
MAP-6
Boulder Mining Corp.
INDIAN RIVER GOLD PROJECT
MAP-6
GEOLOGY DATA MAP
GEOLOGY BY: R. Zuran
DATE: October 7, 2005
DRAWN BY: R. Zuran
N.T.S. 105 O-14
COMPUTER FILE: BMdetailed-MAP2005-6.dwg
FIGURE:
* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)



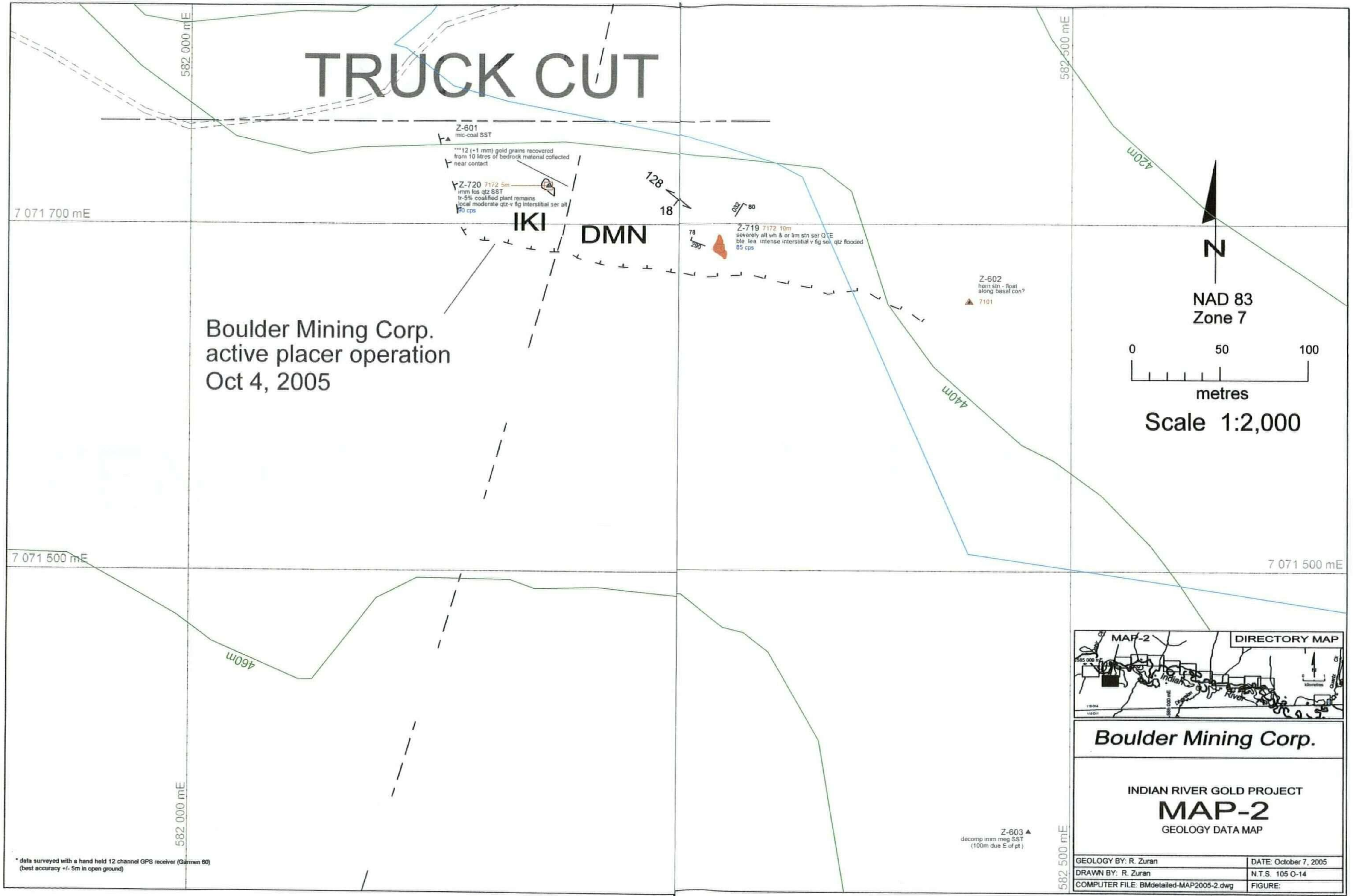
583 400 mE
583 600 mE
583 800 mE
7 072 700 mE
7 072 500 mE
N
NAD 83
Zone 7
Scale 1:2,000
0
50
100
metres
460m
440m
420m
grnPEG
grnPEG
DMN
DMN
DMN
DMN
DMN6
River
Indian
Z-660
parallel low angle shears
thru variable lithologies
Z-661
slumped gy-sv SCH
Z-662
Z-663
Z-665
Z-666
Z-667
def qtz-mic SCH
Z-668
Z-669
gy mic SCH
Z-670
Z-671
Z-672
Z-610
mullion
she rusty GRN
gy GNE/SCH
she GRN
ortho GNE
gy GNE
SAMPLE 7130
DIRECTORY MAP
MAP-5
* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)
Boulder Mining Corp.
INDIAN RIVER GOLD PROJECT
MAP-5
GEOLOGY DATA MAP
GEOLOGY BY: R. Zuran
DATE: October 7, 2005
DRAWN BY: R. Zuran
N.T.S. 105 O-14
COMPUTER FILE: BMdetailed-MAP2005-5.dwg
FIGURE:



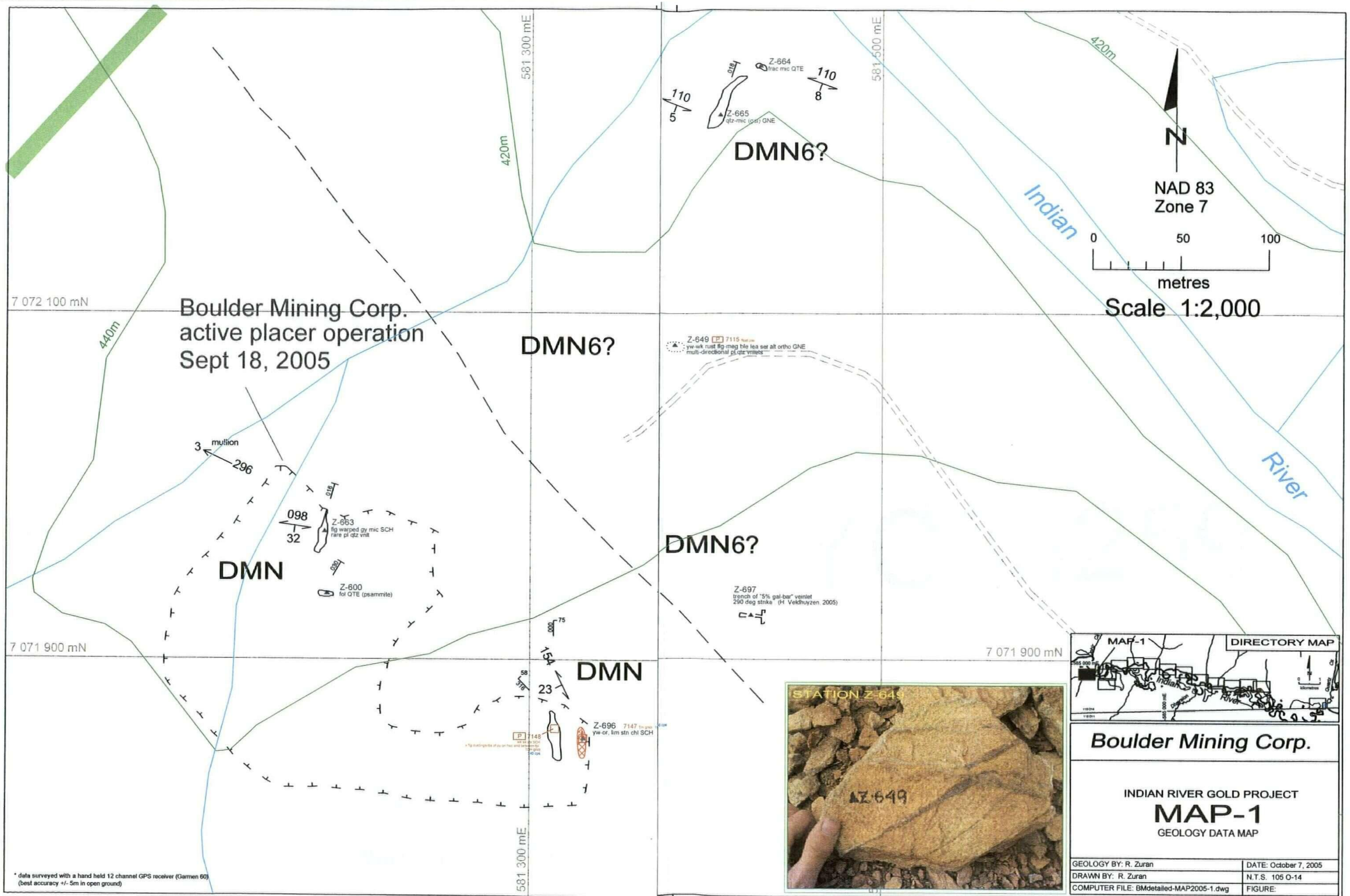
582 500 mE
583 000 mE
N
NAD 83
Zone 7
0
50
100
metres
Scale 1:2,000
460m
440m
7 072 500 mE
7 072 300 mE
DMN6
DMN6
DMN6
DMN6
grnPEG
Indian
River
Cam's
Camp
Z-629
gy GNE
130-160 cps
20
drag
FA
folded mullion
Z-630
gy GNE
Z-631
curved ilt plane
Z-632
wkly alt (ox) gy GNE
Z-633
finely joi gy GNE
Z-651
frac & joi gy GNE
Z-652
gy GNE (minor qtz-mic SCH)
rare grn PEG
Z-653
gy GNE (minor local grn PEG)
Z-654
highly def & faulted o/c
predominantly gy GNE
Z-656
bulldozed upper bench w o/c
Z-657
Z-658
gy GNE/SCH
160 cps
white unconsolidated qtz pebbles/cobbles
def grn PEG (local alm-gar)
SAMPLE 7118
MAP-4
DIRECTORY MAP
Boulder Mining Corp.
INDIAN RIVER GOLD PROJECT
MAP-4
GEOLOGY DATA MAP
GEOLOGY BY: R. Zuran
DATE: October 7, 2005
DRAWN BY: R. Zuran
N.T.S. 105 O-14
COMPUTER FILE: BMdetailed-MAP2005-4.dwg
FIGURE:
* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)



582 000 mE
582 500 mE
7 072 100 mE
7 071 900 mE
River
Indian
DMN6
DMN1
DMN1
IKI
Z-627
gy GNE
Z-628
gy GNE
Z-625
gy GNE
Z-624
qtz-mic SCH
Z-622
Z-623
Z-621
gy qtsz-mic SCH/mic QTE
Z-618
def wk ox fol mic QTE(minor qtz-mic SCH)
110 cps
Z-620
def alt mic QTE
110cps
Z-617
con btwn SST & coal
Z-616
bk sub-bituminous coal pile
150cps
Z-606
qtz-mic SCH
420m
420m
N
NAD 83
Zone 7
0
50
100
metres
Scale 1:2,000
TRUCK CUT
* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)
MAP-3
DIRECTORY MAP
Boulder Mining Corp.
INDIAN RIVER GOLD PROJECT
MAP-3
GEOLOGY DATA MAP
GEOLOGY BY: R. Zuran
DATE: October 7, 2005
DRAWN BY: R. Zuran
N.T.S. 105 O-14
COMPUTER FILE: BMdetailed-MAP2005-3.dwg
FIGURE:



TRUCK CUT
582 000 mE
582 500 mE
7 071 700 mE
7 071 500 mE
Z-601
mic-coal SST
***12 (+1 mm) gold grains recovered
from 10 litres of bedrock material collected
near contact
Z-720 7172 5m
imm fos qtz SST
tr-5% coalified plant remains
local moderate qtz-v fig interstitial ser alt
IKI
DMN
128
18
032
80
Z-719 7172 10m
severely alt wh & or lim stn ser QTE
ble lea intense interstitial v fig ser qtz flooded
85 cps
78
290
Z-602
hem stn - float
along basal con?
7101
Boulder Mining Corp.
active placer operation
Oct 4, 2005
420m
440m
460m
N
NAD 83
Zone 7
0
50
100
metres
Scale 1:2,000
Z-603
decomp imm meg SST
(100m due E of pt)
* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)
MAP-2
DIRECTORY MAP
Boulder Mining Corp.
INDIAN RIVER GOLD PROJECT
MAP-2
GEOLOGY DATA MAP
GEOLOGY BY: R. Zuran
DATE: October 7, 2005
DRAWN BY: R. Zuran
N.T.S. 105 O-14
COMPUTER FILE: BMdetailed-MAP2005-2.dwg
FIGURE:



581 300 mE
581 500 mE
420m
440m
7 072 100 mN
7 071 900 mN
Z-664
frac mic QTE
110
8
110
5
018
Z-665
qtz-mic (cal) GNE
DMN6?
N
NAD 83
Zone 7
0
50
100
metres
Scale 1:2,000
Indian
River
Boulder Mining Corp.
active placer operation
Sept 18, 2005
DMN6?
Z-649 P 7115
yw-wk rust flg-mag ble lea ser alt ortho GNE
multi-directional pl qtz vnlets
3 mullion
296
098
32
Z-663
flg warped gy mic SCH
rare pl qtz vnlt
DMN
Z-600
fol QTE (psammite)
DMN6?
Z-697
trench of "5% gal-bar" veinlet
290 deg strike" (H Veldhuyzen 2005)
75
154
23
58
DMN
P 7148
Z-696 7147
yw-or, lim stn chl SCH
STATION Z-649
Z-649
MAP-1
DIRECTORY MAP
Boulder Mining Corp.
INDIAN RIVER GOLD PROJECT
MAP-1
GEOLOGY DATA MAP
GEOLOGY BY: R. Zuran
DATE: October 7, 2005
DRAWN BY: R. Zuran
N.T.S. 105 O-14
COMPUTER FILE: BMdetailed-MAP2005-1.dwg
FIGURE:
* data surveyed with a hand held 12 channel GPS receiver (Garmen 60)
(best accuracy +/- 5m in open ground)

INTERPRETIVE STRUCTURE

(from 2005 detailed mapping, R.Zuran)

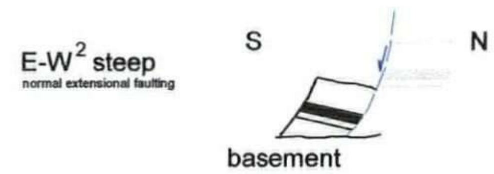
Steep NORTH trending structures appear the youngest - Ruby Ck, Bonanza Ck.
Evidence: 1) landsat imagery; 2) Ross Suite (?) rhyolite following northish structure at station Z-637.
Cause unknown - related to Carnacks or Ross igneous event?

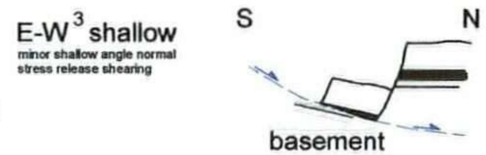
Steep NORTHWEST[2] structures - result of Carmacks Gp. emplacement?
Evidence: sinistral strike slip movement at station Z-674.

Steep NORTHEAST reactivated basement structures caused by Carmacks Gp emplacement?
Evidence: same structures crossing Nasina and Indian River rocks as noted on landsat imagery.

CARMACKS GROUP VOLCANICS (& coevil intrusions??)

EXTENSIONAL E-W[2, 3] related movements within the Indian River Fm.
Interpretive - vicinity of station Z-677.





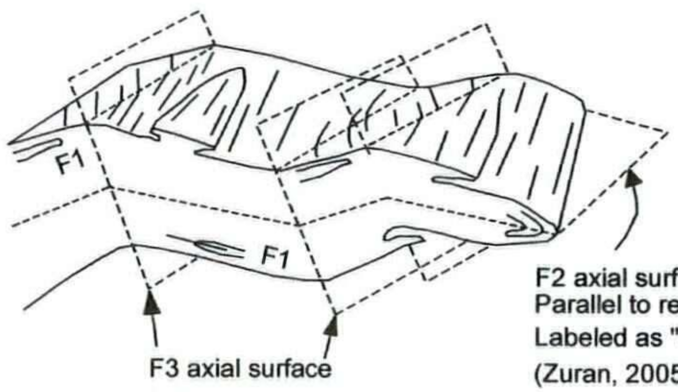
INDIAN RIVER FORMATION - deposition

EAST-WESTish[1] shallow angle faulting; at least some younger than NW[1] structures.
Evidence in west part of property; stations Z-654, 662, & 666.

NORTHWEST[1] structures reactivated along grn PEG.
Evidence in west part of property; stations Z-654, 662, & 666.

Intruding grn PEG (granitic pegmatite) into prevailing structure. Evidence at Station Z-651.
- late phase of the Sulphur Ck. Suite?

THREE DEFORMATION PHASES (Nasina Assemblage & Sulphur Ck. Suite)
Regional foliation characterized by high strain transposition (2 episodes) of layering in schists and gneisses.



(diagram taken from J. Ryan, S. Gordey, 2004)

*to accompany 2005 detailed geology MAPs 1-14

LITHOLOGIES

(pertaining to mapping area-2005)

ROSS SUITE (?) . . . . (modified after J. Ryan, S. Gordey, 2004)

EOCENE

Er	Er - smokey quartz & phyric rhyolite - rhyodacite stocks & dykes, and possible rare flows.

CARMACKS GROUP . . . . (modified after Makepeace, S. Gordey, 1999)

UPPER CRETACEOUS

uKC	uKC - a volcanic succession dominated by basic volcanic strata (1), but including felsic volcanic rocks dominantly (?) at the base of the succession (2) and locally, basal clastic strata (3) (70ma approx)

uKC1 - aug olv BAS & BXA; hbl fel por AND & DAC flows; ves, aug phyric AND & TRY; minor sandy TUFF, grn boulder CONG, AGG, and associated epiclastics.
uKC2 - acid vitric crystal TUFF, lapilli TUFF, wellded TUFF, including feeder plugs & necks; felsic volcanic flow rocks a& qtz-fel POR; green & purple massive tuff-BXA with felldspar phyric frag
uKC3 - medium bedded, poorly sorted, coarse-fine grain SST, pebble CONG, SH, TUFF, COAL; massive to thick bedded locally derived GRN or QTE pebble to boulder CONG

INDIAN RIVER FORMATION . . . . (modified after G. Lowey, 1984)

LOWER CRETACEAOUS (Albian 97-112 ma)

IKI	IKI - (interpreted to be fluvial & fan delta origin)

RUBY QUARTZ MEMBER (approx 450m thick)
Interbedded CONG, SST, SH,and minor COAL; fining upwards - SST dominant, commonly bioturbated.
Composition dominated by qtz-rich grains/clasts including: VN QTZ, QTE, minor SCH, and GNE; hence synomonous name: "White Conglokmerate Unit".

REINDEER CHERT MEMBER (>50m thick) - Tantalus Formation (upper part) equivalent ?
Interbedded CONG, SST, SH,and minor COAL; fining upwards - SST dominant, commonly bioturbated.
Composition of SST-CONGL dominated by lithic clasts - particulary CHT (bk, rd, gy & gn) & volcanic rocks (felsic & basic); hence synomonous name : "Red Conglomerate Unit".

SULPHUR CREEK SUITE . . . . (modified after Makepeace, S. Gordey, 1999)

MIDDLE PERMIAN

PqS	PqS - moderate-strong foliation biotite quartz monzonite GNE (Sulphur Ck orthoGNE), coarse grain GRN, GRD and quartz MZN (contains narrow foliated mylonites of Ram Stock)

NASINA ASSEMBLAGE . . . . (modified after Makepeace, S. Gordey, 1999)

DEVONIAN, MISSISSIPPIAN and (?) older

DMN	DMN - graphite QTE & muscovite quartz-rich SCH (1), (3-5), and (6) with correlative successions of (7-9)

DMN1 - dk gy-bk fig gra & non-gra QTE, gy mic QTE and qtz-mus (+/-chl;+/-fel augen) SCH, local gar, minor stretched meta-CONG & meta-GRT
DMN2 - marble
DMN3 - QTE, mic QTE, qtz-mus(+/-chl; +/-fel augen) SCH, minor meta-CONG & meta-GRT-but may include significant Nisling Ass.
DMN4 - similar to DMN3 -but may include significant Klondike Schist Assemblage rocks.
DMN5 - bk weathering, mas, dk gy-bk strongly gra w lesser gy mic qtz mic SCH; commonly shows alternating lt & dk gy colour lam.
DMN6 - bio SCH or GNE; association uncertain - Nisling?
DMN7 - med gn-yw gn mus-chl-act-epi-alb +/-bio SCH-qtz rich SCH, local gar porphyroblasts; gn & yw banded bio +/- mag SCH (meta-TUFF?), mic QTE, minor CHT (Hazel)
DMN8 - hbl-olig-qtz+/-bio+/-bio+/-act mafic GNE & SCH; hbl AMP; she metaplutonic w interleave QTE and mus+/-bio+/-olig+/-ger SCH; bands of qtzo-fel melt (Dorsey)
DMN9 - fig act+chl-mus+/-epi PHY & SCH; cal metavolcanics; QTE; MBL; she felsic-intermediate metaplutonics; minor cal gn metaSLTor metaTUFF and sandy metacarbonate (Ram Ck)
DMN10 - eclogite

LITHOLOGIES OF UNKNOWN AGE and ORIGIN . . . . (R. Zuran, 2005)

(Carmacks Gp?)

GAB	Fine grain, weakly ophitic, bn gabbro-basalt; locally sheared, local sphereoidal weathering, carbonate alterationd and shearing.

(Sulphur Creek Suite? - late?)

grn PEG	Coarse grain pegmatite composed of mus, qtz, K-spar (no exsolutions) & bk tou? Non-foliated; locally foliated (+/-local gar) and sheared occupying relic re-activated structures.

BOULDER MINING CORP.

INDIAN RIVER GOLD PROJECT

LITHOLOGY LEGEND

with Interpretive Structure

WORK BY: R.Zuran, B.Sc. Geology	COMPUTER FILE: BM-lithLEGEND2005.dwg
DATE: Oct 9, 2005	FIGURE:

STATEMENT OF QUALIFICATIONS

I, Rick J. Zuran, B.Sc., with a business address of 1016-510 West Hastings Steet, Vancouver, BC, V68 1M8, Canada, do certify that:

1. I am a graduate of the University of British Columbia with a Bachelor Degree in Geological Sciences (1988).

2. I have been engaged in mineral /field exploration since 1977.

3. I have been associated as an employee or consultant with the following universities, companies or government departments:

University of Ottawa
University of British Columbia
Denison Mines Ltd.
Anaconda Canada Expl. Ltd.
Selco Ltd.
BP Minerals Ltd.
OBI Resources Ltd.
Anglo American
Archer Cathro and Associates (1981) Ltd.
Mt. Skukum Gold Mining Corp.
Total Energold Corp.
North American Metals Corp.
Kennecott Canada Inc.
Aurum Geological Consultants Inc.
Yukon Territorial Government
Indian and Northern Affairs Canada

4. I am a member of the Yukon Chamber of Mines.

5. I am employed by Archer Cathro and Associates (1981) Ltd.

5. I have no direct or indirect interest in the properties or securities owned by Boulder Mining Corporation, nor do I expect to receive any.

6. The work described in this report is based on field work conducted September 9th to October 11, 2005 conducted by myself.

7. I am the author of this report.

Dated at Whitehorse, Yukon Territory this 11th day of October, 2005.

Respectfully submitted,

Rick J. Zuran, B.Sc.

ADDENDUM – A: Rock and Soil Analytical Results

As a follow up to the

Indian River Gold Project Report

By:
Rick J. Zuran
ARCHER CATHRO & ASSOCIATES (1981) LTD.

For :

Boulder Mining Corporation
Suite 800 – 850 West Hastings Street
Vancouver, B.C., V6C 1E1

ACME ANALYTICAL LABORATORIES LTD.

Clarence
Jackie Wang

REQUISITION FOR ANALYTICAL WORK

852 East Hastings St. • Vancouver, BC • V6A 1R6 • CANADA • E-mail: info@acmelab.com • Tel: (604) 253-3158 • Fax: (604) 253-1716 • Toll Free: 1-800-990-2263

# of Parcels:	Carrier:	Req. Number:	Acme File Number
Waybill:	Date Received:		

PRIORITY ☒ Regular ☐ **RUSH by this date:** / / **Submittal Date:** 11/10 / 2005

CLIENT INFO **Submitted By:** Rick Zuran **Project:** Indian River **PO #:**

CLIENT: ☒ Certificate ☒ Invoice

Company: BOULDER MINING CORPORATION

Address: 800-850 West Hastings St.
Vancouver, British Columbia
V6C 1E1

Attn: John McAdam

Phone: 604-899-4300 **Fax:** 604-899-4303

COPY TO: ☐ Certificate ☐ Invoice

Company:

Address:

Attn:

Phone: **Fax:**

DATA OUTPUT ☐ Diskette ☐ Modem ☒ Fax: 604-899-4303 ☒ E-mail: jmcadam@bouldermining.com

ANALYSES

Type of Sample	Number of Samples	Sample Sequence From - To	Prep Code	Analytical Package or Elements Wanted	Remarks (ie. Specify package options)
ROCK	75	7101 - 7175	R150	GROUP 1DX (ICP-MS)	36 elements; 30 g sample
SOIL	6	18419 - 18424	SS80	GROUP 1DX (ICP-MS)	36 elements; 30 g sample
		-		(35 + Au)	
		-			
		-			
		-			
		-			
		-			
		-			
		-			
		-			
		-			

Shipped in 13 pails

SPECIAL INSTRUCTIONS

* sample # 7102 will have a high percentage of carbon (coal)

STORAGE & DISPOSAL

Note: Rejects will be disposed immediately and pulps will be charged for storage after 3 months unless requested otherwise.

Rejects

- ☐ RTRN Return immediately
- ☐ DISP Dispose immediately
- ☒ STOR1 Store for 3 months
- ☐ STOR2 Store after 3 months
- ☐ STOR4 Store screened rejects

Pulps

- ☐ RTRN Return immediately
- ☐ DISP Dispose after 3 months
- ☐ STOR3 Store after 3 months

Charges may apply for disposal and/or storage of rejects and pulps

Return Address

Pulps and Rejects returned at cost

Company:

Address:

Attn: Tel:

AUTHORIZATION

I accept the terms and conditions printed on the reverse of this form and hereby request Acme Analytical Laboratories Ltd. to conduct the above specified analyses.

Signed [signature]

(Must be signed for analysis to start)

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Boulder Mining Corp. PROJECT Indian River File # A506887 Page 1

800 - 850 W. Hastings St., Vancouver BC V6C 1E1 Submitted by: Rick Zuran

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample kg
7101	.2	68.4	8.5	101	<.1	16.5	18.7	614	5.85	<.5	1.6	3.0	3.6	10	.2	.1	.9	77	.08	.006	10	29.4	.11	119	.006	3	.66	.007	.07	<.1	.01	6.8	1.0	<.05	3	.7	1.86
7102	.4	32.6	19.8	21	.2	12.4	2.3	116	.66	1.2	2.1	.6	6.6	116	.4	.9	.5	41	.97	.049	12	17.6	.30	759	.026	4	.53	.005	.09	.3	.04	6.2	<.1	.07	8	1.8	2.00
7103	1.2	10.4	12.2	16	.1	1.1	.3	42	.40	3.5	.6	.8	3.6	3	.1	.7	.4	12	.02	.001	2	6.7	.02	42	.001	2	.54	.003	.07	<.1	.03	1.7	.1	<.05	1	<.5	1.62
7104	.3	54.9	12.4	69	.1	3.0	19.0	1136	4.70	1.9	1.3	1.0	5.2	79	1.5	.5	.3	122	4.05	.149	10	1.6	1.44	323	.032	4	1.01	.014	.64	.1	.01	15.5	.3	.25	3	<.5	4.32
7105	.3	80.3	9.1	133	.2	73.2	26.1	567	3.89	.7	3.0	.5	6.6	9	.5	.3	.3	58	.07	.020	16	30.7	.75	185	.100	1	1.60	.012	.84	.1	.02	5.5	.6	<.05	5	1.0	4.54
7106	.2	30.3	2.1	26	<.1	13.8	5.9	143	.94	1.2	.5	<.5	1.2	3	<.1	.3	.1	14	.02	.004	3	15.3	.29	95	.023	<1	.54	.005	.25	.1	.01	2.1	.2	<.05	2	<.5	3.92
7107	2.5	36.1	7.7	28	.2	5.4	2.2	153	2.13	2.7	3.1	2.3	9.2	20	<.1	.8	.3	36	.20	.090	21	20.3	.53	65	.005	2	1.03	.008	.32	.1	<.01	1.5	.2	.33	3	1.0	3.71
7108	.7	9.0	21.6	8	<.1	2.0	.9	32	.49	.5	.8	.6	2.5	14	<.1	.1	.1	3	.07	.022	8	4.8	.10	89	.004	1	.50	.009	.20	.1	<.01	.6	.1	.07	1	.5	4.36
7109	1.1	44.3	5.7	89	<.1	34.0	6.4	158	2.88	<.5	1.4	<.5	6.8	4	.1	.2	.1	50	.14	.067	19	37.0	.53	87	.091	1	1.54	.011	.49	.1	.01	2.1	.2	<.05	5	.9	1.99
7110	1.4	18.7	12.4	24	.2	7.9	3.7	93	1.26	1.2	3.0	2.8	10.2	18	.1	.6	.1	23	.11	.051	33	17.8	.13	100	.020	1	.65	.007	.35	.1	.03	1.4	.2	.20	2	1.2	3.16
7111	2.5	40.3	14.8	62	.2	5.9	19.9	1226	5.02	4.2	3.0	<.5	4.1	201	.2	.2	.2	126	6.47	.102	7	10.7	2.39	176	.020	3	.84	.034	.45	<.1	.11	12.7	.2	.47	4	.5	2.95
7112	3.5	5.2	10.2	23	<.1	1.6	1.5	275	.65	1.2	5.7	<.5	13.5	24	.2	.1	.2	1	.46	.005	22	1.6	.17	313	.001	2	.52	.008	.29	<.1	<.01	1.1	.1	.08	1	<.5	2.56
7113	1.5	32.1	9.5	44	.2	11.5	1.6	29	1.41	3.5	3.0	.5	9.4	13	.1	.1	.1	6	.09	.038	4	6.7	.03	242	.001	<1	.43	.023	.14	.1	.12	.8	<.1	.07	1	1.2	2.98
7114	.3	56.2	7.5	132	<.1	73.7	35.6	697	6.13	1.2	.9	1.9	.5	27	.4	.2	.1	190	1.15	.078	6	206.6	2.46	495	.120	<1	3.24	.050	.49	.1	.02	22.6	.2	<.05	10	<.5	2.36
7115	.4	9.8	2.1	19	<.1	3.0	1.9	41	.83	<.5	.4	.8	3.1	9	.1	<.1	<.1	5	.02	.006	4	5.6	.02	123	.002	1	.24	.004	.13	<.1	<.01	.5	.1	<.05	<1	<.5	2.99
7116	.2	2.5	7.9	4	<.1	1.2	.2	86	.31	.5	1.8	18.1	1.6	3	.1	.1	2.2	1	.13	.072	3	8.0	.01	20	.001	2	.28	.033	.17	.3	.01	.6	.1	<.05	1	<.5	2.46
7117	.9	23.4	14.5	55	.2	11.2	4.0	160	1.53	1.5	7.1	8.6	8.6	10	.1	.8	1.0	41	.18	.075	18	31.8	.31	144	.091	1	.87	.011	.50	.2	.01	2.7	.6	.06	3	1.4	2.68
7118	.2	1.6	4.3	3	<.1	.7	.3	218	.27	<.5	1.6	2.2	1.7	2	<.1	<.1	.5	1	.12	.049	3	6.5	.01	10	.002	1	.24	.038	.11	.2	<.01	.8	.1	<.05	1	<.5	1.99
7119	4.4	5.3	23.4	63	.2	3.0	3.0	303	1.49	10.6	3.3	4.9	34.0	7	.1	.6	.4	4	.17	.020	47	4.8	.07	80	<.001	1	.40	.012	.19	.1	.16	3.1	.1	<.05	1	<.5	2.29
RE 7119	4.3	4.9	22.1	61	.2	3.2	2.8	293	1.43	10.3	3.2	3.6	32.5	7	.1	.6	.3	4	.17	.019	46	4.7	.07	79	<.001	1	.38	.012	.18	.1	.15	2.8	.1	<.05	1	<.5	-
7120	3.9	46.2	11.8	77	<.1	64.3	27.1	902	7.02	26.3	2.8	1.0	4.5	37	.4	1.9	4.6	82	.85	.188	32	51.7	.38	240	.008	3	1.12	.049	.27	.1	.27	17.1	.2	<.05	3	.7	2.60
7121	.8	28.3	6.3	93	<.1	50.1	28.7	692	5.51	10.3	1.0	<.5	1.4	100	.2	.1	.3	119	2.18	.241	22	98.7	2.19	232	.085	1	2.17	.218	.27	<.1	.06	12.9	.3	<.05	8	<.5	5.10
7122	2.0	45.0	11.2	120	.2	35.7	10.4	571	3.50	.8	1.5	<.5	12.4	13	.1	.2	.3	35	.51	.089	32	18.5	.42	150	.026	2	1.04	.009	.37	.1	.03	4.2	.3	<.05	3	.7	3.99
7123	.2	16.7	9.7	40	<.1	9.6	3.1	155	1.04	.5	.6	3.0	1.4	4	.1	.1	.2	10	.05	.016	4	11.3	.06	48	.018	3	.32	.003	.13	.1	.01	1.4	.1	<.05	1	<.5	2.86
7124	1.4	29.1	5.6	52	.1	14.5	7.9	166	2.32	2.4	1.3	.8	6.4	16	.1	.2	.2	29	.12	.047	19	30.4	.52	375	.084	<1	1.21	.043	.56	.1	<.01	2.6	.5	.22	4	.6	2.96
7125	.5	6.4	19.4	9	.3	1.8	.5	25	.51	3.0	.1	.9	.6	6	<.1	.5	.1	3	.02	.008	3	14.7	.02	48	.002	1	.11	.004	.07	<.1	.03	.5	.1	.07	<1	<.5	2.46
7126	1.0	9.1	20.9	10	.4	1.8	.6	18	.42	3.8	.2	2.0	.5	6	<.1	.5	.1	4	.06	.007	1	13.8	.01	27	.001	<1	.09	.003	.06	.3	.05	.6	.1	.07	<1	.8	2.17
7127	1.4	2.4	15.6	8	.4	.9	.2	11	.38	2.0	.3	2.5	1.5	6	<.1	.3	.2	7	.01	.017	5	11.5	.01	69	.002	1	.17	.008	.13	.1	.18	.6	.1	.07	<1	1.1	2.55
7128	.6	9.7	10.1	106	<.1	13.6	15.4	423	4.33	.7	.5	<.5	4.7	4	.2	.1	.1	74	.30	.109	15	28.7	2.95	738	.245	1	3.82	.071	2.23	<.1	.02	12.5	.4	.08	12	.8	2.77
7129	.8	24.4	7.3	36	.3	7.8	4.0	299	2.51	5.0	1.4	64.3	11.4	51	.1	5.3	.4	19	.16	.037	35	13.7	.13	69	.003	2	.55	.009	.20	.1	.19	3.0	.7	.11	2	2.1	3.37
7130	.2	6.8	22.5	20	.1	3.7	1.7	192	.58	.7	2.9	1.9	2.6	4	.1	.4	.9	1	.11	.034	5	5.2	.04	24	.001	1	.28	.018	.15	.1	.02	.5	.1	<.05	1	<.5	2.82
7131	1.1	18.5	4.1	334	<.1	72.4	26.5	3582	3.22	<.5	2.2	1.1	7.6	11	.3	4.2	.2	15	.11	.036	21	12.9	.08	78	.004	2	.41	.006	.12	.2	.30	3.0	.5	<.05	1	<.5	2.17
7132	.7	10.6	5.3	103	<.1	22.8	6.2	909	1.60	<.5	1.1	.9	5.1	8	.1	3.6	.1	8	.05	.027	17	15.2	.06	46	.005	1	.29	.002	.10	.2	.30	1.7	.5	<.05	1	<.5	3.05
7133	1.0	25.9	9.0	115	<.1	44.7	22.9	980	4.36	1.2	.9	.6	5.2	51	.1	.2	.2	121	1.35	.071	16	203.3	2.39	921	.189	1	3.10	.049	1.70	.1	.01	15.6	.4	<.05	8	<.5	4.69
STANDARD DS6	11.4	121.6	29.0	141	.3	24.5	10.7	704	2.82	20.6	6.6	45.7	2.9	39	5.9	3.4	4.9	55	.82	.077	13	182.9	.57	162	.080	17	1.91	.072	.14	3.5	.22	3.2	1.7	<.05	6	4.5	-

GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: Rock R150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ____ DATE RECEIVED: OCT 24 2005 DATE REPORT MAILED: Nov. 16/2005

ACME ANALYTICAL

Boulder Mining Corp. PROJECT Indian River FILE # A506887

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample kg
7134	.3	12.4	6.3	109	<.1	16.8	24.7	1420	5.49	.7	1.3	6.1	3.0	56	.1	.1	.1	105	2.26	.097	12	42.7	3.24	1044	.206	2	3.10	.058	1.81	<.1	.03	18.4	.4	<.05	9	<.5	2.58
7135	1.0	39.8	7.5	215	.1	59.7	29.7	1780	3.78	3.5	1.7	7.8	8.7	31	1.0	1.8	.2	19	.34	.041	17	15.5	.45	79	.001	2	.47	.008	.17	.1	.16	4.0	.2	.09	1	1.0	3.48
7136	1.7	146.6	21.5	299	.2	88.6	15.0	712	2.77	1.7	6.4	11.1	10.5	6	1.6	2.0	.2	15	.30	.048	28	10.9	.10	83	.001	2	1.24	.003	.19	.1	.05	4.5	.1	.11	1	2.3	2.64
7137	1.4	90.1	7.3	119	.2	37.2	24.0	880	5.53	2.2	2.6	3.6	7.3	24	.2	.1	.3	147	.48	.176	22	54.5	1.60	969	.288	1	2.57	.035	1.81	.1	.01	10.8	.8	<.05	11	.6	3.23
7138	1.2	26.1	1.2	19	<.1	12.1	4.7	247	.96	5.0	.9	3.3	.4	9	.1	.1	.1	12	.06	.017	2	19.4	.06	108	.004	1	.14	.003	.04	<.1	<.01	1.3	<.1	<.05	1	<.5	3.60
7139	.7	16.6	.8	12	<.1	10.1	4.4	236	.62	1.9	.6	2.7	.2	4	.1	<.1	.1	7	.02	.009	1	18.5	.03	66	.003	1	.08	.002	.03	<.1	.01	.9	<.1	<.05	<1	<.5	3.38
7140	1.2	8.8	2.6	28	<.1	21.2	7.8	1192	1.15	11.2	1.1	1.9	1.1	6	.1	<.1	.1	20	.05	.013	3	23.9	.18	250	.016	2	.36	.003	.16	<.1	.01	3.0	.1	<.05	2	<.5	2.21
7141	5.6	116.0	10.7	25	.2	3.8	4.0	192	.70	1.3	1.8	126.6	13.5	10	.2	.1	7.9	2	.24	.007	43	10.0	.04	128	.001	1	.25	.029	.12	.1	.02	.5	.1	<.05	<1	.9	3.02
7142	.5	3.3	.2	3	<.1	2.1	.7	139	.35	1.2	.4	1.0	<.1	1	<.1	.1	<.1	1	.01	.003	<1	18.0	.01	20	.001	<1	.02	.001	.01	<.1	<.01	.1	<.1	<.05	<1	<.5	2.78
7143	2.4	7.1	.4	6	<.1	2.9	.6	34	.36	5.8	.2	2.0	.1	2	<.1	<.1	.3	1	.02	.010	<1	22.3	.01	132	<.001	<1	.03	.001	.01	<.1	<.01	.1	<.1	<.05	<1	<.5	3.19
7144	1.0	8.3	6.9	38	<.1	8.3	2.3	148	1.85	11.2	2.1	1.0	1.7	6	.1	.3	<.1	14	.03	.005	2	14.8	.03	86	.002	1	.37	.005	.13	<.1	.06	3.0	.1	<.05	1	.6	2.77
7145	.9	42.9	11.4	120	.2	40.3	12.9	362	3.52	4.0	1.9	9.2	15.8	6	.2	.4	.2	53	.19	.106	46	37.3	.65	271	.181	3	1.62	.010	1.01	.1	.01	3.0	.5	<.05	5	2.3	2.68
7146	.4	7.4	20.5	44	<.1	20.3	4.9	2887	1.06	2.9	1.3	1.6	1.5	13	.2	.5	.1	8	.47	.038	15	14.3	.09	122	.002	1	.39	.004	.06	<.1	.01	1.4	<.1	<.05	2	<.5	3.10
7147	1.9	53.9	13.7	133	.3	27.1	10.0	236	3.07	4.6	2.8	2.4	10.2	11	.1	.2	.2	45	.20	.081	15	31.8	.55	207	.157	2	1.36	.009	.85	.1	.01	2.6	.5	.13	4	1.7	3.33
RE 7147	1.9	55.4	14.2	138	.3	27.1	10.2	240	3.15	4.9	3.0	2.0	10.7	11	.1	.1	.2	46	.20	.087	16	32.9	.56	220	.163	2	1.34	.010	.87	.1	.01	2.7	.6	.13	4	1.7	-
7148	1.4	53.6	6.7	80	.1	27.2	9.5	139	1.74	2.5	1.5	2.1	9.3	6	.2	.1	.2	37	.15	.063	21	28.0	.50	102	.078	1	1.11	.011	.63	<.1	.01	1.9	.3	.14	3	1.8	3.29
7149	.4	48.8	1.0	42	.4	14.3	2.7	358	.63	.8	1.1	<.5	.6	5	.1	.1	<.1	7	.20	.083	2	16.8	.02	64	.002	1	.17	.001	.04	.1	<.01	.8	<.1	<.05	<1	<.5	2.49
7150	.5	68.3	9.7	227	.8	70.1	12.0	1296	3.00	4.7	1.5	.9	2.4	9	1.1	.4	.1	28	.05	.017	4	17.8	.04	104	.003	1	.33	.002	.08	<.1	.02	3.0	.1	<.05	1	.7	2.99
7151	1.1	2.8	.4	6	<.1	4.2	.9	112	.42	1.1	.1	1.7	.1	1	.1	.1	<.1	4	.01	.003	1	15.7	.06	15	.002	1	.10	.003	.01	.1	<.01	.3	<.1	<.05	<1	<.5	2.14
7152	1.3	9.5	17.0	62	<.1	4.5	4.7	395	2.37	7.9	2.0	<.5	10.7	108	.2	.3	.1	57	.95	.181	23	8.8	.48	534	.184	2	1.15	.125	.22	.6	<.01	4.2	.1	<.05	5	<.5	2.60
7153	2.0	140.6	18.1	279	.1	80.1	16.1	612	2.71	1.5	4.5	2.6	8.6	10	.6	3.6	.3	22	.18	.048	16	13.3	.06	64	.001	2	.99	.003	.17	.1	.13	4.0	.1	<.05	2	1.2	3.46
7154	2.0	39.8	81.3	87	.9	5.7	1.3	145	2.65	2.6	1.2	4.3	8.9	23	.1	1.6	.6	21	.06	.049	13	19.8	.13	165	.012	2	.51	.010	.41	.1	.45	1.9	.7	.55	3	2.0	3.67
7155	2.3	16.5	62.3	28	.5	4.2	.9	54	1.81	5.7	.9	2.2	4.9	30	.1	1.1	.3	11	.03	.040	9	12.8	.02	149	.002	1	.30	.008	.35	.3	.38	1.1	.3	.47	1	2.2	2.91
7156	2.6	46.4	11.1	62	.3	7.6	2.9	156	2.21	2.0	1.3	1.6	5.4	16	<.1	.6	.4	15	.03	.053	12	19.3	.20	74	.020	1	.46	.009	.34	.2	.14	1.8	.3	.39	2	2.5	2.41
7157	2.8	60.7	46.8	80	.4	10.4	2.6	163	1.95	2.0	3.3	2.8	4.0	55	.2	.7	.4	23	.05	.091	12	23.3	.15	129	.023	1	.55	.008	.30	.2	.02	2.2	.3	.24	2	2.2	2.34
7158	.4	16.3	15.2	17	<.1	3.1	1.1	70	.65	1.5	3.4	4.1	3.5	35	.1	.3	.7	5	.08	.052	7	7.3	.02	45	.003	2	.31	.021	.13	.1	.01	.8	.1	.08	1	<.5	2.71
7159	3.6	54.6	5.4	120	.1	22.2	6.8	298	2.32	2.1	2.6	1.4	7.3	16	.3	.4	.2	85	.12	.060	16	31.3	.64	212	.081	1	1.25	.012	.65	.1	.01	2.7	.3	.07	4	.6	1.95
7160	12.7	126.3	11.1	445	.6	76.6	9.4	793	2.94	2.1	3.9	2.6	1.9	40	4.6	2.3	.4	112	.60	.045	4	22.0	.21	82	.001	2	.32	.002	.08	.2	.17	5.6	.1	.13	1	4.8	3.85
7161	2.7	41.4	11.4	37	.2	4.7	2.9	217	1.83	1.9	3.2	2.9	5.5	50	.1	2.6	.3	39	.11	.058	16	19.4	.38	94	.040	1	.67	.006	.46	.1	.45	2.2	.7	.32	3	1.6	2.30
7162	.3	5.1	10.4	10	<.1	3.3	1.8	680	.45	<.5	1.2	2.9	2.8	3	.1	.1	.9	2	.12	.048	4	6.1	.01	19	.001	2	.25	.025	.12	.1	.01	1.1	.1	<.05	1	.5	2.17
7163	.5	21.1	4.9	66	.1	21.7	6.3	291	1.39	2.8	1.3	2.9	3.5	11	.4	.2	.2	8	.03	.020	4	9.7	.02	112	.002	1	.23	.006	.10	.1	.02	.9	.1	<.05	1	.6	2.76
7164	2.4	38.8	25.5	115	.2	55.1	17.1	2887	8.46	11.3	3.3	.8	12.1	49	.6	.7	.5	51	2.06	.797	21	37.8	.38	343	.008	2	2.10	.026	.22	<.1	.18	8.9	.2	<.05	7	1.3	2.02
7165	.2	2.2	2.0	5	<.1	1.9	.4	78	.33	1.0	.1	.5	.3	3	<.1	.1	<.1	1	.14	.002	2	10.5	.01	12	.001	<1	.03	.002	.02	<.1	<.01	.2	<.1	<.05	<1	<.5	2.78
7166	.4	9.1	9.8	49	<.1	10.4	3.5	411	1.23	3.1	1.0	<.5	17.7	11	.1	.1	.1	9	.49	.066	40	14.4	.12	93	.033	1	.55	.016	.33	<.1	<.01	1.5	.1	<.05	1	.5	1.76
STANDARD DS6	11.5	122.8	29.5	142	.3	24.7	10.8	716	2.84	20.8	6.5	47.3	2.9	39	5.8	3.4	4.9	56	.83	.077	12	184.8	.59	163	.079	17	1.92	.071	.14	3.5	.22	3.2	1.7	<.05	6	4.4	-

Sample type: Rock R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL

Boulder Mining Corp. PROJECT Indian River FILE # A506887

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample kg
7167	.6	15.1	15.0	108	.1	15.7	6.7	714	2.00	8.2	1.2	<.5	14.2	9	.3	.3	.2	12	.42	.040	38	15.1	.16	92	.027	2	.57	.014	.31	<.1	.01	2.8	.2	<.05	2	2.4	2.36
7168	2.8	53.1	4.2	109	.3	54.6	12.8	853	3.15	20.3	2.5	.9	2.7	27	.5	.8	.1	58	1.20	.126	14	25.5	.38	969	.006	2	.51	.004	.14	<.1	.07	4.9	.2	<.05	2	1.4	2.68
7169	.9	46.8	7.3	19	.1	7.1	3.8	94	.77	.6	2.0	10.1	18.6	6	.1	.2	1.0	2	.04	.011	22	3.6	.05	180	.004	1	.34	.025	.16	.1	.03	.5	.1	<.05	1	1.2	2.32
7170	.4	10.1	.6	5	<.1	5.2	1.5	66	.45	.7	.1	<.5	.1	1	<.1	.1	<.1	2	.04	.003	<1	14.9	.01	70	.001	<1	.04	.002	.01	<.1	.01	.2	<.1	<.05	<1	<.5	2.19
7171	.2	7.5	1.1	18	<.1	4.8	1.2	38	.40	.6	.5	.6	3.4	1	<.1	.4	.9	7	.01	.002	7	11.6	.01	19	.002	1	.14	.002	.04	<.1	.01	.9	<.1	<.05	<1	<.5	2.04
7172	.3	1.6	4.6	5	<.1	1.7	.4	14	.25	3.4	.3	1.8	.5	4	<.1	1.2	.1	3	.01	.001	1	6.9	.01	64	.001	1	.15	.002	.08	<.1	.06	.5	<.1	<.05	<1	<.5	2.31
7173	.1	9.1	9.2	36	.1	17.4	6.7	134	1.09	3.3	.6	1.2	3.0	3	.3	.2	.1	21	.05	.008	5	18.2	.17	63	.003	1	.66	.005	.06	<.1	.06	2.1	<.1	<.05	3	<.5	1.02
7174	.4	13.3	9.4	64	<.1	30.6	11.3	248	3.10	6.5	.8	.5	2.7	15	.1	.3	.1	32	.15	.008	6	24.3	.28	277	.006	1	1.37	.006	.11	<.1	.02	3.5	.1	<.05	5	<.5	.63
7175	.6	10.0	5.9	52	<.1	38.5	13.0	7126	1.20	4.3	.4	<.5	3.4	81	.3	.2	.1	22	11.24	.031	15	23.0	.38	452	.005	1	.93	.009	.10	<.1	.26	3.8	.1	<.05	3	<.5	2.24
STANDARD DS6	11.7	124.2	29.9	144	.3	24.6	10.8	717	2.84	20.7	6.6	46.7	2.9	40	6.0	3.4	5.0	56	.86	.078	13	186.2	.59	165	.081	16	1.93	.073	.14	3.6	.24	3.2	1.8	<.05	6	4.7	-

Sample type: Rock R150.

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Boulder Mining Corp. PROJECT Indian River File # A506888
800 - 850 W. Hastings St., Vancouver BC V6C 1E1 Submitted by: Rick Zuran

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
G-1	.6	1.8	2.1	46	<.1	6.7	4.4	521	1.67	<.5	1.9	<.5	3.7	46	<.1	<.1	.1	34
18419	3.8	33.9	27.1	99	.3	24.8	6.4	250	1.24	12.6	3.6	7.7	2.9	14	.4	4.6	.2	25
18420	2.7	2.1	7.7	10	.2	3.0	.8	18	.27	19.2	.9	1.4	1.1	4	.1	4.7	.1	4
18421	1.5	27.7	26.7	89	.4	31.5	11.3	232	1.26	12.5	2.5	3.4	6.5	10	.4	2.6	.3	15
18422	1.1	21.0	17.3	48	.2	19.0	7.2	211	1.35	12.3	2.3	1.2	4.2	12	.3	1.6	.2	12
18423	1.4	15.0	20.6	32	.2	12.7	4.9	275	1.60	16.4	2.4	2.0	4.2	12	.2	1.4	.2	12
18424	1.0	17.9	14.7	53	.2	26.0	7.4	163	1.41	9.7	2.7	2.3	4.0	11	.2	1.0	.2	10
STANDARD	11.3	121.5	29.1	139	.3	24.4	10.4	695	2.77	20.7	6.6	46.7	2.8	39	6.0	3.4	5.0	55

SAMPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.36	.079	6	69.1	.62	226	.112	1	.94	.051	.51	.1	<.01	2.0	.4	<.05	4	<.5
18419	.23	.003	4	14.8	.08	61	.001	1	.16	.003	.08	.1	.33	5.9	.1	<.05	1	1.6
18420	.04	.001	2	2.8	.03	28	<.001	1	.06	.002	.06	.1	.23	.4	.1	<.05	<1	10.5
18421	.14	.002	13	7.0	.07	58	.003	1	.14	.005	.15	.1	.14	3.9	.3	<.05	1	1.2
18422	.12	.006	7	6.1	.08	75	.001	1	.18	.004	.10	.1	.11	3.5	.1	<.05	1	.7
18423	.16	.007	9	6.7	.10	69	.003	1	.19	.005	.09	.1	.11	2.8	.1	<.05	1	.6
18424	.12	.004	7	7.0	.05	53	.001	1	.17	.003	.09	.1	.08	4.0	.1	<.05	1	.6
STANDARD	.84	.076	13	182.4	.56	161	.080	16	1.83	.070	.14	3.5	.23	3.1	1.7	<.05	6	4.2

Standard is STANDARD DS6.
GROUP 1DX - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: Soil SS80 60C

Data ↑ FA ____ DATE RECEIVED: OCT 24 2005 DATE REPORT MAILED: Nov 15/2005

BRITISH COLUMBIA CERTIFIED ASSAYER
Jacky Wang

ADDENDUM – B: Vancouver Petrographics Report

As a follow up to the

Indian River Gold Project Report

By:
Rick J. Zuran
ARCHER CATHRO & ASSOCIATES (1981) LTD.

For :

Boulder Mining Corporation
Suite 800 – 850 West Hastings Street
Vancouver, B.C., V6C 1E1

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8080 GLOVER ROAD, LANGLEY, B.C. V1M 3S3
PHONE: 604-888-1323 • FAX: 604-888-3642
email: vanpetro@vanpetro.com
Website: www.vanpetro.com

Report 050821 for

Jim Grinell
Boulder Mining Corp.
800-850 West Hastings Street
Canada, V6C 1E1

November 15, 2005

Project: Klondike Gold

Samples:

Z-663; 7155
Z-637; 7119
Z-717-F
Z-687
Z-654; 7118
Z-717-J
Z-663; 7158
Z-649
Z-679
Z-694
Z-696; 7148 (Polished thin section)

Photographic Notes:

The scanned sections show the gross textural features of the sections; these features are seen much better on the digital image than on the printed image. Sample numbers are shown in or near the top left of the photos and photo numbers at or near the lower left. The letter in the lower right-hand corner indicates the lighting conditions: P = plane light, X = plane light in crossed nicols, R = reflected light. Locations of digital photographs (by photo number) are shown on the scanned sections. Descriptions of individual photographs are given at the end of the report.

Summary

Sample Z-663-7155 contains relic, granulated megacrysts of K-feldspar and plagioclase set in a groundmass of quartz, accessory white mica (sericite) and minor epidote. Plagioclase and K-feldspar crystals display moderate alteration to quartz-sericite. Abundant veinlets and replacement patches are of quartz, sericite and cryptocrystalline jarosite.

Sample Z-637-7119 is a metamorphosed quartz monzonite that contains 15-20% relic megacrysts and crystal aggregates of quartz, K-feldspar, and graphic intergrowths of plagioclase and quartz, in which plagioclase was altered moderately to sericite. These are set in a K-feldspar-rich groundmass. Muscovite forms minor pseudomorphs after biotite.

Sample Z-717-F is mylonitic feldspar-quartz gneiss (protolith quartz monzonite) containing commonly twinned, relic K-feldspar megacrysts that are set in a fine-grained groundmass of quartz and white mica. Much of the mica defines a pervasive foliation and "drapes" K-feldspar relics. Quartz in polycrystalline relics displays undulose extinction. Hematite fills micro fractures in local, amorphous patches.

Sample Z-687 contains relic quartz, predominantly composite crystals, set in a quartz-rich groundmass with interstitial biotite and muscovite, which define a penetrative foliation. Late muscovite porphyroblasts overprint the foliation. Microcrystalline aggregates of quartz and of K-feldspar and composite megacrysts may represent grain-size reduction or dynamic recrystallization during progressive shear.

Sample Z-654-7118 contains relic, albite twinned, plagioclase megacrysts and garnet porphyroblasts in a foliated quartz-mica groundmass. Plagioclase megacrysts were intensity granulated.

Sample Z-717-J is schist that contains chlorite, biotite, and abundant sphene in a groundmass of plagioclase and quartz. Biotite porphyroblasts were altered moderately to chlorite. Plagioclase was altered moderately to sericite and commonly was granulated. Quartz commonly forms sub-mosaic patches and displays weak undulose extinction.
Z-663-7158 contains relic megacrysts of tourmaline and K-feldspar and sub-mosaic domains of quartz that are set in a foliated, very fine-grained sub-mosaic groundmass of quartz and lesser muscovite. K-feldspar megacrysts and crystal patches show ragged, tartan-twins and were intensely granulated. Quartz domains have undulose extinction and were granulated moderately. Muscovite is concentrated moderately in lenses parallel to foliation and is intergrown with quartz.

Sample Z-649 is a foliate dominated by very fine-grained quartz and K-feldspar with interstitial, parallel muscovite plates/patches, which define a subtle foliation. Disseminated sphene is common and zircon is rare. Dusty hematite forms local patches in the groundmass.

Sample Z-679 is a cataclastite that contains composite crystals of quartz set in a quartz-plagioclase groundmass with accessory muscovite. Plagioclase displays moderate sericite alteration. Muscovite and rare chlorite form interstitial, disseminated, unoriented patches. Disseminated hematite blebs are common in the groundmass.

Sample Z-694 is a marble composed of a mosaic of equant, interlocking grains of twinned calcite intergrown with less abundant, smaller, interstitial grains of calcite. Muscovite forms disseminated flakes. The protolith was a layered, limestone with trace amounts of clay minerals.

Sample Z-696-7148 is quartz-mica schist that is dominated by bands of submosaic quartz containing patches and disseminated lenses of muscovite and biotite. Micas are concentrated in a few, lenses that are sub-parallel to foliation. Sphene forms anhedral masses, commonly within mica-rich bands. Microcrysts of hematite are finely disseminated. Minor graphite forms clusters of flakes that outline tight shear folds. Rare chalcopyrite forms anhedral blebs.

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Sample Z-663-7155

K-feldspar and Plagioclase Schist; Veinlets of Quartz, Muscovite/Sericite alteration

Relic, granulated megacrysts of K-feldspar and plagioclase are set in a groundmass of quartz, accessory white mica (sericite) and minor epidote. Plagioclase and K-feldspar crystals display alteration moderately to quartz-sericite. Abundant veinlets and replacement patches are of quartz, sericite and fine-grained jarosite.

mineral	percentage	main grain size range (mm)
Quartz	38-40%	0.1-1.5
K-feldspar	27-29	0.5-2.0
Plagioclase	10-12	0.5-2.0
Epidote	Trace	
VEINLET		
Mica (Sericite)	9-11	0.1-1.0
Quartz	3-5	
Jarosite	6-8	< .01-Cryptocrystalline

K-feldspar forms granulated megacrysts, some of which show tartan twinning and patchy cores.

Muscovite/Sericite intergrowths are common within K-feldspar crystals and many are parallel to cleavage.

Plagioclase forms granulated crystals and crystal clusters distinguished by albite and Carlsbad twinning. They were replaced moderately to highly by disseminated flakes of sericite/muscovite. Some crystals were replaced moderately by muscovite/sericite intergrowths parallel to cleavage in plagioclase.

In the groundmass, quartz forms aggregates of roughly equant, interlocking grains that display undulose extinction.

Muscovite/Sericite forms disseminated grains mainly within plagioclase-quartz aggregates.

Muscovite/Sericite/Quartz and Jarosite form abundant veinlets up to 0.05 mm wide, most of which are subparallel to foliation.

Moderate sericite alteration overprints the feldspar megacrysts.

Sample Z-637-7119

Metamorphosed Quartz Monzonite
(The original rock was medium to coarse grained as represented by the megacrysts)

The sample is a metamorphosed quartz monzonite that contains 15-20% relic megacrysts and crystal aggregates of quartz, K-feldspar, graphic intergrowths of plagioclase and quartz (in which plagioclase was altered moderately to sericite), and minor flakes of biotite (altered to pseudomorphic muscovite). These are set in a groundmass dominated by K-feldspar, Quartz with minor muscovite/sericite and hematite.

mineral	**percentage**	**main grain size range (mm)**
MEGACRYSTS		
K-feldspar	28-30%	0.5-2.0
Quartz	18-20	0.1-1.5
Biotite porphyroblasts	7- 8	0.5-1.0
Plagioclase	6- 7	0.5-2.0
GROUNDMASS		
K-Feldspar	18-20	
Quartz	8-10	0.1-1.5
Plagioclase	3-5	0.5-2.0
Biotite/Muscovite	2-3	0.5-1.0
Hematite	2-3	0.3-0.05

K-feldspar forms relic megacrysts distinguished by cleavage and rare hematite intergrowths as well as rare tartan twinning. Sericite and muscovite intergrowths occur commonly within K-feldspar crystals parallel to cleavage.

Quartz forms coarse, euhedral, disseminated megacrysts.

Plagioclase forms relic, Carlsbad-twinned crystals and crystal clusters that are tabular in habit. They were replaced wholly by sericite.

Muscovite replaces biotite porphyroblasts.

The groundmass is dominated by K-feldspar (see stained off-cut) with disseminated, anhedral grains of muscovite/sericite and fine-grained, disseminated quartz.

Plagioclase forms fine disseminated crystal patches.

Hematite forms interstitial, anhedral masses up to 0.4 mm across.

Biotite forms anhedral grains that were replaced completely by pseudomorphic muscovite and patches of hematite.

Sample Z-717-F

Mylonitic K-Feldspar-Quartz Gneiss
K-feldspar megacrysts

The sample is mylonitic K-feldspar-quartz gneiss (protolith quartz monzonite?) that contains relic, commonly twinned, K-feldspar megacrysts and polycrystalline relics of quartz in a fine-grained groundmass of quartz and white mica. Mica defines a pervasive foliation that "drapes" K-feldspar megacrysts. Hematite fills micro fractures in local, amorphous patches.

mineral	**percentage**	**main grain size range (mm)**
RELICS		
K-feldspar	32-35%	3.0-7.0
Aggregate Quartz	13-15	1.0-2.0
GROUNDMASS		
Quartz	33-35	0.05-0.005
K-feldspar	8-10	0.5-0.05
Muscovite/Sericite	8-10	0.2-0.7
Zircon	trace	.03
Apatite	trace	.1
VEINS		
Hematite	<1%	Amorphous, Cryptocrystalline

K-feldspar forms relic megacrysts, many of which are twinned and altered moderately to sericite and contain common mineral inclusions of mica. K-feldspar megacrysts display no internal deformation but were rotated slightly during shear.

Quartz forms composite relic crystals or polycrystalline aggregates that display undulose extinction and sutured boundaries, likely formed during dynamic recrystallization.

In the groundmass, quartz forms roughly equant, interlocking aggregates intergrown intimately with similar grains of muscovite.

Muscovite forms disseminated, interstitial flakes that define a penetrative foliation that is draped around K-feldspar megacrysts.

K-feldspar is abundant in the groundmass as evidenced from the yellow stain on the off-cut block.

Zircon and apatite form rare subhedral crystals.

Hematite fills discontinuous, late, sub-parallel micro-fractures that crosscut foliation and also forms amorphous patches and "dusty" staining near these micro-fractures.

Sample Z-687

Quartz-Mica Schist;
Quartz relics

Relic, predominantly composite crystals of quartz are set in a groundmass of quartz with interstitial biotite and muscovite and minor feldspars. Lenses and seams of biotite and muscovite define a penetrative foliation that is overprinted by muscovite porphyroblasts. Microcrystalline aggregates of quartz and K-feldspar may represent grain-size reduction or dynamic recrystallization during progressive shear.

mineral	**percentage**	**main grain size range (mm)**
RELICS		
Quartz	8-10%	1.0-2.0
K-feldspar	2-3	0.1-0.2
GROUNDMASS		
Quartz	60-62	0.05-0.01
Biotite	10-12	0.1-0.5
Muscovite	6-8	0.1-0
K-feldspar	3-4	0.1-0.01
Plagioclase	3-4	0.1-0.5
Semi-opaque	1	0.1
Zircon	0.1	Up to 0.04
Apatite	Trace	0.05

Quartz forms composite or polycrystalline, megacrystic aggregates 1-2 mm long that display undulose extinction and sutured boundaries.

K-feldspar forms composite patches, most likely a result of dynamic recrystallization and grain-size reduction during shear.

In the groundmass, quartz forms aggregates of roughly equant, interlocking grains.

Biotite and Muscovite form interstitial flakes that are concentrated in regular bands and form folia up to 1 mm long in the groundmass.

Plagioclase forms disseminated grains that were altered weakly in patches to sericite.

K-feldspar forms fine-grained, disseminated patches in the groundmass.

Zircon and apatite form rare scattered subhedral single crystals.

Semi-opaque minerals (most likely leucoxene) form disseminated patches up to 0.1mm.

Sample Z-654-7118

Plagioclase-Quartz-Muscovite-Garnet Schist

Relic megacrysts of plagioclase and porphyroblasts of garnet are set in a foliated groundmass of quartz and white mica. Plagioclase megacrysts were intensity granulated.

mineral	**percentage**	**main grain size range (mm)**
RELICS/PORPHYROBLASTS		
Plagioclase	42-44%	3.0-7.0
Garnet	5-7	4.0-2.0
GROUNDMASS		
Quartz	33-35	0.05-1.5
Muscovite	12-14	0.01-1.2
REPLACEMENT		
Quartz	2-3	0.01-0.05
K-feldspar	0.8	0.03-0.05

Plagioclase forms relic, albite-twinned megacrysts, many of which were altered moderately to patches of sericite and disseminated flakes of muscovite.

Garnet forms porphyroblasts, many of which contain inclusions of quartz and mica intergrowths along fractures.

In the groundmass, quartz forms aggregates of roughly equant slightly interlocking to sub-mosaic grains that display weak undulose extinction. Quartz is intimately intergrown with muscovite "folia" and patchy sericite.

Muscovite forms disseminated, anhedral, interstitial grains and unoriented patches up to1 mm across. It also is concentrated in irregular unoriented muscovite flakes within feldspar and forms folia within quartz, defined by interstitial and intracrystalline flakes. Muscovite folia are draped around garnet grains.

Rarely, K-feldspar and quartz replace plagioclase in irregular patches.

Sample Z-717-J

Biotite/Chlorite-Quartz-Plagioclase-Actinolite-Sphene Schist

Biotite/chlorite and abundant sphene are set in a groundmass of plagioclase and quartz. Biotite porphyroblasts were altered to pseudomorphic chlorite. Plagioclase was altered to sericite and much of it was granulated. Quartz is common in sub-mosaic patches and displays weak undulose extinction.

mineral	percentage	main grain size range (mm)
Biotite	43-45%	0.08-0.2
Quartz	18-22	0.1-0.2
Plagioclase	16-18	0.1-0.5
Actinolite	7-8	0.4-0.3
Sphene	4-6	0.01-0.03
Biotite megacrysts	4-5	1.0-3.0
Opaque	2-3	0.05-0.3
Zircon	Trace	0.05

Biotite forms a few megacrysts that overprint the foliation and are pseudomorphed by chlorite.

Chlorite forms flakes, coarsely intergrown with and commonly replacing primary biotite. Pleochroism is from light to medium yellowish green.

Quartz forms disseminated grains and a few patches interstitial to chlorite and biotite. Quartz forms sub-mosaic patches of interlocking, equant grains many of which are associated with altered plagioclase.

Plagioclase forms patchy, granulated masses within the groundmass. These relict grains are altered strongly to sericite and many display a cloudy appearance.

Actinolite forms subhedral prismatic crystals with pleochroism from pale to light green; it is intergrown coarsely with chlorite.

Sphene forms, disseminated anhedral crystals mainly associated with chlorite as an alteration product of biotite.

Opaque minerals form disseminated, anhedral to cryptocrystalline patches. Hematite also forms reddish “staining” associated with patches of altered plagioclase and quartz.

Zircon forms rare, subhedral crystals.

Sample Z-663-7158

Tourmaline-bearing Quartz-Muscovite-Feldspar Schist
Relic Quartz and K-feldspar

Relic megacrysts of tourmaline and K-feldspar and sub-mosaic domains of quartz are set in a foliated, very fine-grained sub-mosaic groundmass of quartz and lesser muscovite. K-feldspar megacrysts and crystal patches show ragged, tartan-twinned crystals and were strongly granulated. Quartz domains have undulose extinction and were granulated moderately. Muscovite is concentrated moderately in lenses parallel to foliation that is intergrown with quartz.

mineral	percentage	main grain size range (mm)
RELIC MEGACRYSTS		
Quartz	38-40%	0.01-0.07; 0.1-0.4
K-feldspar	5-7	0.3-2.4
Tourmaline	3-4	1.0-2.0
GROUNDMASS		
Quartz	32-34%	0.01-0.07; 0.1-0.4
Muscovite	13-15	0.01-0.3
Plagioclase	4-6	0.1
Sphene	Trace	Cryptocrystalline

Quartz forms coarse grained, sub-mosaic "domains" or bands up to 1.5 mm with weak undulose extinction.

K-feldspar forms ragged, patchy, tartan-twinned relict crystals that were granulated strongly and contain ragged inclusions of muscovite.

Tourmaline forms megacrysts that have light yellow/green to medium/dark green pleochroism. Muscovite is common along fractures in tourmaline.

In the groundmass, quartz forms aggregates of roughly equant interlocking to sub-mosaic grains that contain folia of muscovite parallel to foliation.

Muscovite forms wispy lenses that define the foliation and also is intergrown in the sub-mosaic quartz groundmass.

Plagioclase forms composite crystal patches with muscovite/sericite flakes as selvages between plagioclase grains.

Sphene forms rare, disseminated cryptocrystalline blebs.

Sample Z-649

K-feldspar-Quartz-Muscovite Schist
Quartz Veinlet

Scattered composite crystal patches of quartz are set in a groundmass dominated by K-feldspar, with much less abundant quartz and interstitial, parallel muscovite flakes/lenses, which define a subtle foliation, and minor rutile. Dusty hematite is present locally in the groundmass

mineral	**percentage**	**main grain size range (mm)**
MEGACRYSTS		
Quartz	15-17	0.2-1.5
AGGREGATES		
Quartz	32-35	0.1-0.2
GROUNDMASS		
K-feldspar	37-39	0.3-0.5
Muscovite	5-7	0.1-0.2
Hematite	2-3	Cryptocrystalline
Rutile	0.8	0.1-0.2
Zircon	Trace	0.05
Tourmaline	Trace	0.2
Apatite	.1	0.1
VEINLET		
Quartz	2-3	
Rutile	<0.1	

Quartz forms large-grained, composite crystal patches that display weak undulose extinction. Quartz forms an aggregate of sub-mosaic to interlocking equant grains.

In the groundmass, K-feldspar forms fine-grained, interlocking, sub-mosaic crystals; its presence is seen best in the stained off-cut block.

Muscovite forms disseminated, subparallel flakes that define a subtle foliation.

Rutile forms single crystals disseminated about the groundmass.

Zircon form disseminated subhedral crystals.

Tourmaline forms pleochroic green, elongate subhedral crystals.

Apatite forms rare subhedral crystals.

Quartz forms a prominent crosscutting veinlet with interlocking crystals up to 1.5 mm in width.

Rutile forms disseminated clusters of subhedral crystals within the quartz veinlet

Hematite forms patchy staining commonly associated with quartz veinlets and patchy muscovite.

Sample Z-679

Quartz-Plagioclase-Muscovite Cataclastite

Highly granulated, composite crystals of quartz are set in a groundmass of quartz and plagioclase with accessory muscovite patches. Plagioclase displays sericite alteration. Muscovite forms interstitial, disseminated, unoriented patches. Chlorite forms minor patches associated with muscovite. Disseminated hematite blebs are common in the groundmass.

mineral	**percentage**	**main grain size range (mm)**
RELICS		
Quartz	45-47%	0.04-2.2
Plagioclase	20-22%	0.01-2.0
GROUNDMASS		
Quartz	20-22	0.1
Muscovite	5-7%	0.03-0.3
Hematite	2-3%	0.06-0.2
Zircon	.1%	Up to 0.05
Tourmaline	Trace	0.1
Chlorite	2-3%	0.05

Quartz forms composite crystal patches, many of which have undulose extinction and underwent cataclastic deformation.

Plagioclase forms fine-grained, highly granulated, interlocking, sub-mosaic crystals up to 2 mm in width.

In the groundmass, quartz forms fine sub-mosaic to interlocking, equant grains.

Muscovite forms flakes and crystal patches, most of which are disseminated and do not define a foliation.

Chlorite forms patches associated with muscovite that are interstitial to quartz and plagioclase.

Zircon forms disseminated subhedral crystals.

Hematite forms patchy staining commonly associated patchy muscovite.

Sample Z-694

Slightly Micaceous Marble.

The sample is dominated by calcite that occurs in bands up to 2 mm thick that are distinguished by grain size. Coarser-grained bands, which occupy 65% of the sample, consist of a mosaic of equant, twinned calcite grains with much less abundant finer interstitial patches of calcite. Finer-grained bands consist of subrounded calcite grains. The bands probably represent original sedimentary layers with different original textures. Muscovite forms disseminated flakes.

mineral	percentage	main grain size range (mm)
Calcite	99%	0.01-2.0
Muscovite	1-2%	0.03-0.3

Coarser grained calcite bands contain equant, interlocking twinned grains up to 2 mm with 35% interstitial grains of calcite averaging 0.1 mm in diameter. In general, the different grain size crystals are segregated into alternating, mm-scale bands.

Finer grained bands consist of roughly equant, "rounded" calcite grains

Muscovite forms scattered flakes parallel to the calcite bands.

Sample Z-696-7148

Banded Quartz-Muscovite-Biotite Schist

Banded layers of patchy muscovite and biotite are interlayered with bands of quartz in a groundmass of sub-mosaic quartz grains. Micas are predominantly interstitial to quartz and also form scattered lenses that are sub-parallel to foliation. Sphene forms anhedral aggregates, mainly within mica-rich bands. Microcrysts of hematite are disseminated finely. Minor graphite forms clusters of flakes that outline tight shear folds. Rare chalcopyrite forms anhedral blebs.

mineral	**percentage**	**main grain size range (mm)**
Quartz	72-75%	0.1-0.5
Muscovite	13-15%	0.07-0.4
Biotite	9-11%	0.1-0.3
Sphene	2-3%	Cryptocrystalline
Hematite	1-2%	<.01
Graphite	0.1%	<.01
Pyrite	Trace	0.1
Apatite	Trace	0.1-0.15
Tourmaline	Trace	0.05-0.1
Chalcopyrite	Trace	0.1-0.2

Quartz forms bands of interlocking to sub-mosaic crystals that commonly contain inclusions of micas, many of which are intergrown with minor selvages or seams of mica.

Muscovite and Biotite form flakes crystals that generally are concentrated in foliation bands with biotite. A few, disseminated grains of biotite up to 0.5 mm long are sub-parallel to the dominant fabric and display variable pale green-brown pleochroism

Sphene forms anhedral, cryptocrystalline masses, up to 0.5 mm typically, within mica-rich bands. Hematite forms finely disseminated, anhedral patches.

Chalcopyrite forms rare, disseminated anhedral "blebs", commonly intergrown coarsely with pyrite.

Graphite is present in fine, disseminated flakes, which form into tight folds within the groundmass. These graphite folds are present in discreet patches 1-2 mm across, and have amplitudes of 0.5 mm.

Tourmaline forms rare, disseminated, subhedral, hexagonal crystals with pleochroism from pale to medium green.

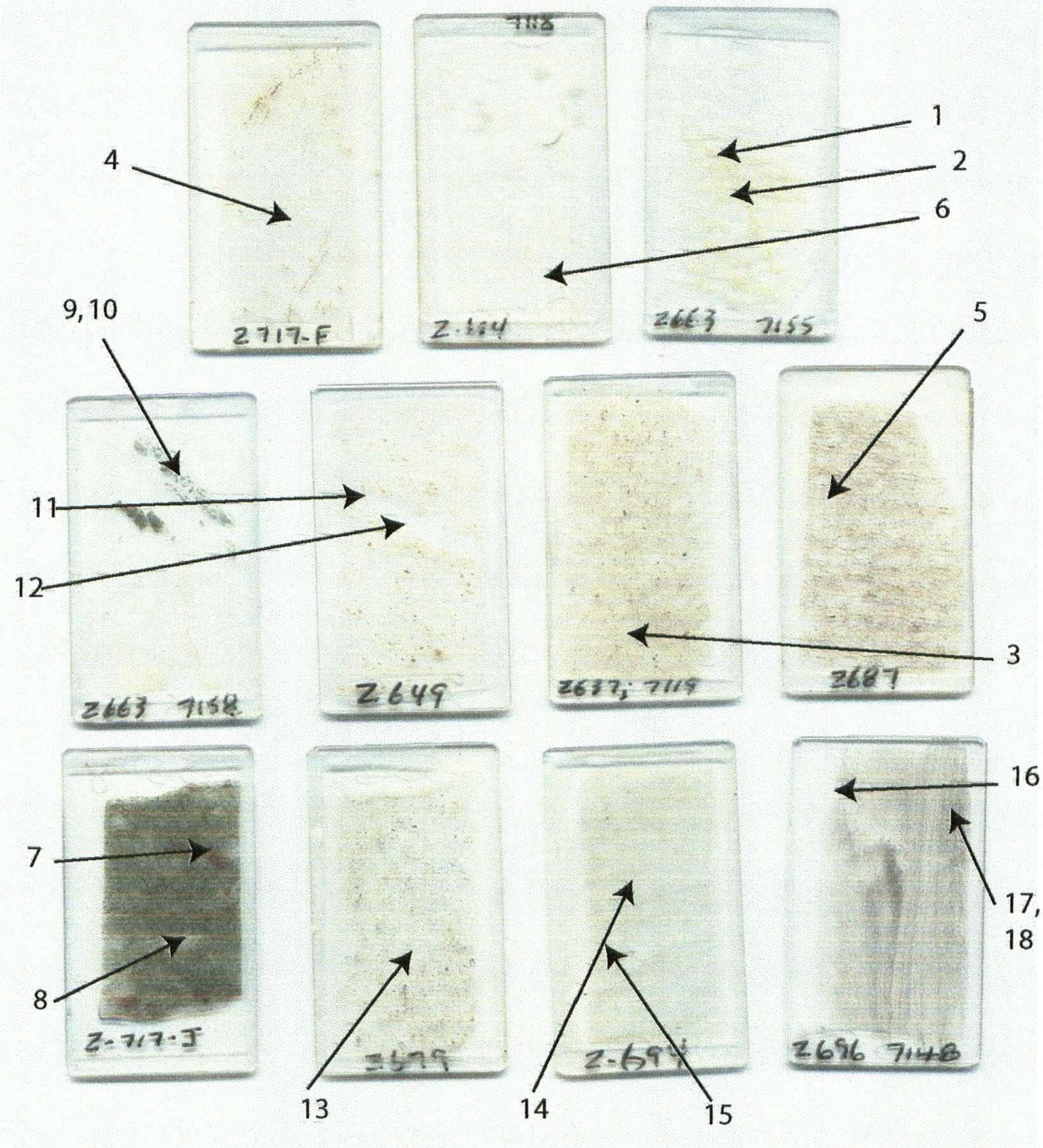
Apatite forms rare, colourless, disseminated, subhedral crystals.

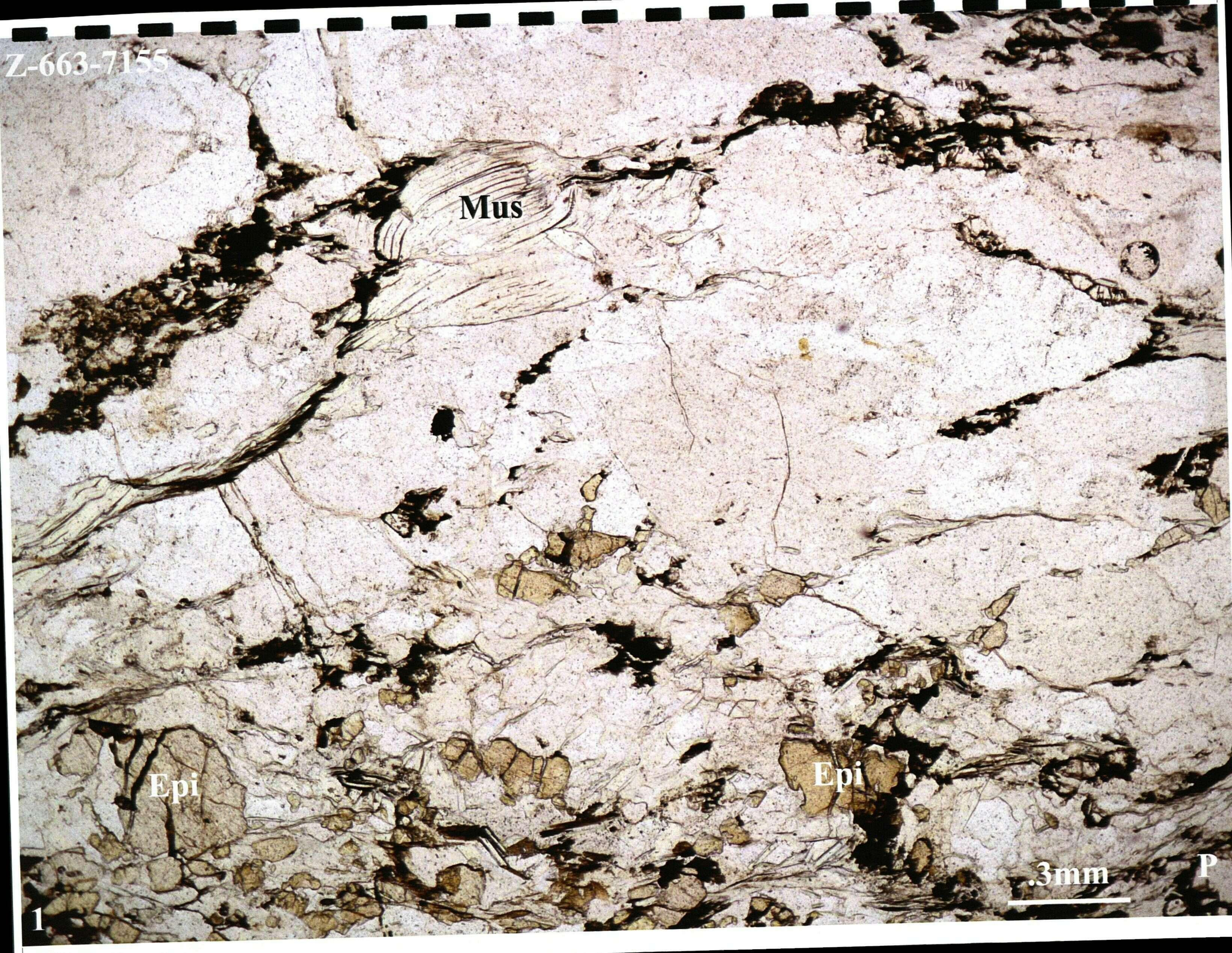
List of Photographs
(page 1 of 2)

Photo	Sample	Description
01	Z-663-7155	patches of epidote and muscovite in a granulated groundmass of quartz and feldspar; relict, granulated crystals of K-feldspar and plagioclase in a groundmass of quartz and accessory muscovite.
02	Z-663-7155	same as above, crossed nicols
03	Z-637-7119	crystals of quartz and K-feldspar in a groundmass of K-feldspar and plagioclase/quartz; muscovite forms pseudomorphs after biotite; patchy sericite replaces plagioclase.
04	Z-717-F	patch containing a rotated, twinned K-feldspar grain enclosed in relict crystals of granulated quartz and K-feldspar and set in a quartz/feldspar groundmass; mica flakes define a prominent foliation.
05	Z-687	relict quartz, predominantly composite crystals, set in a groundmass of quartz with interstitial biotite and muscovite, which define a penetrative foliation; late muscovite porphyroblasts overprint the foliation.
06	Z-654-7118	albite-twinned, granulated, relict plagioclase megacrysts in a quartz-mica groundmass; muscovite defines the foliation. K-feldspar megacrysts with tartan twinning were granulated and have ragged outlines; quartz forms composite crystal "domains", produced by grain-size reduction due to shear of larger quartz grains.
07	Z-717-J	the prominent fuzzy, tan and gray patch in the middle is sericite alteration of plagioclase; to the bottom left, a biotite crystal is replaced partly by pseudomorphic chlorite; the upper right corner is occupied by masses of oriented chlorite flakes, which define the foliation.
O8	Z-717-J	biotite crystal showing advanced state of pseudomorphic replacement by chlorite; chlorite also forms a green, foliated crystal mass that contains fine, disseminated sphene; plagioclase was altered to tan, "fuzzy" sericite.
09	Z-663-7158	prominent green tourmaline crystals in a quartz rich band in prominently alternating layers of muscovite/quartz and muscovite/K-feldspar
10	Z-663-7158	same slide as above, polarized light.
11	Z-649	rutile in a quartz veinlet.

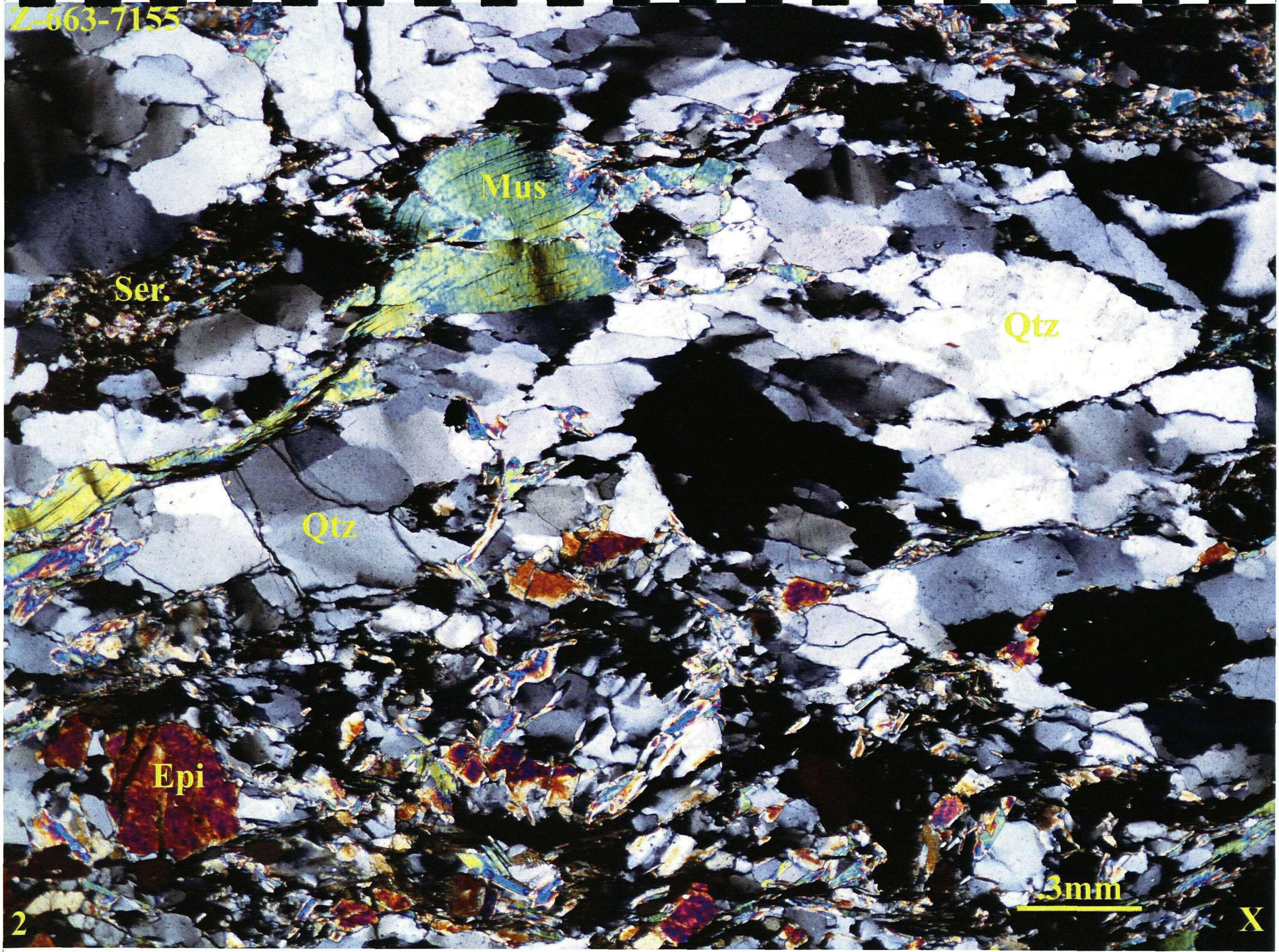
List of Photographs
(page 2 of 2)

Photomicrograph Locations

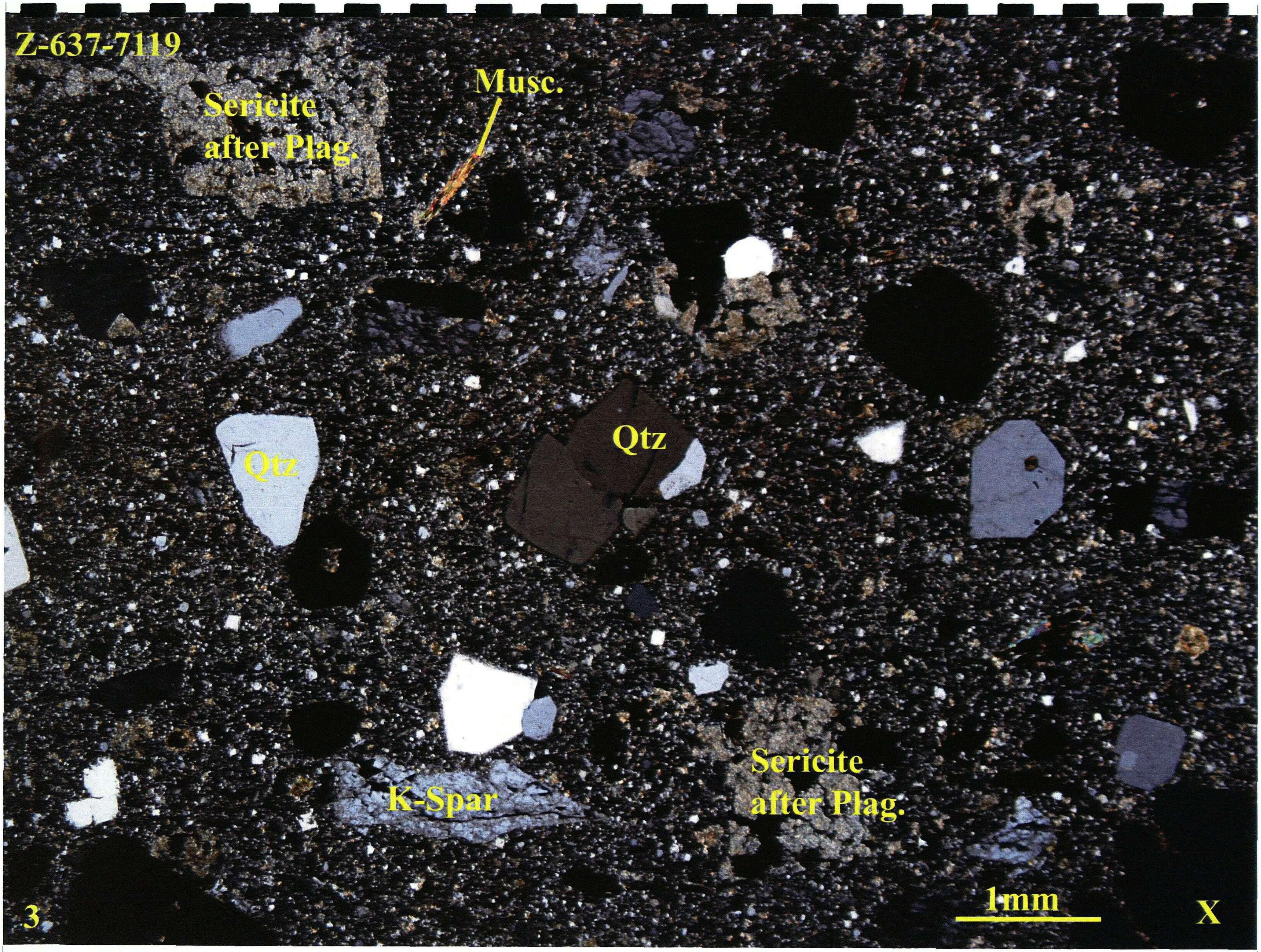




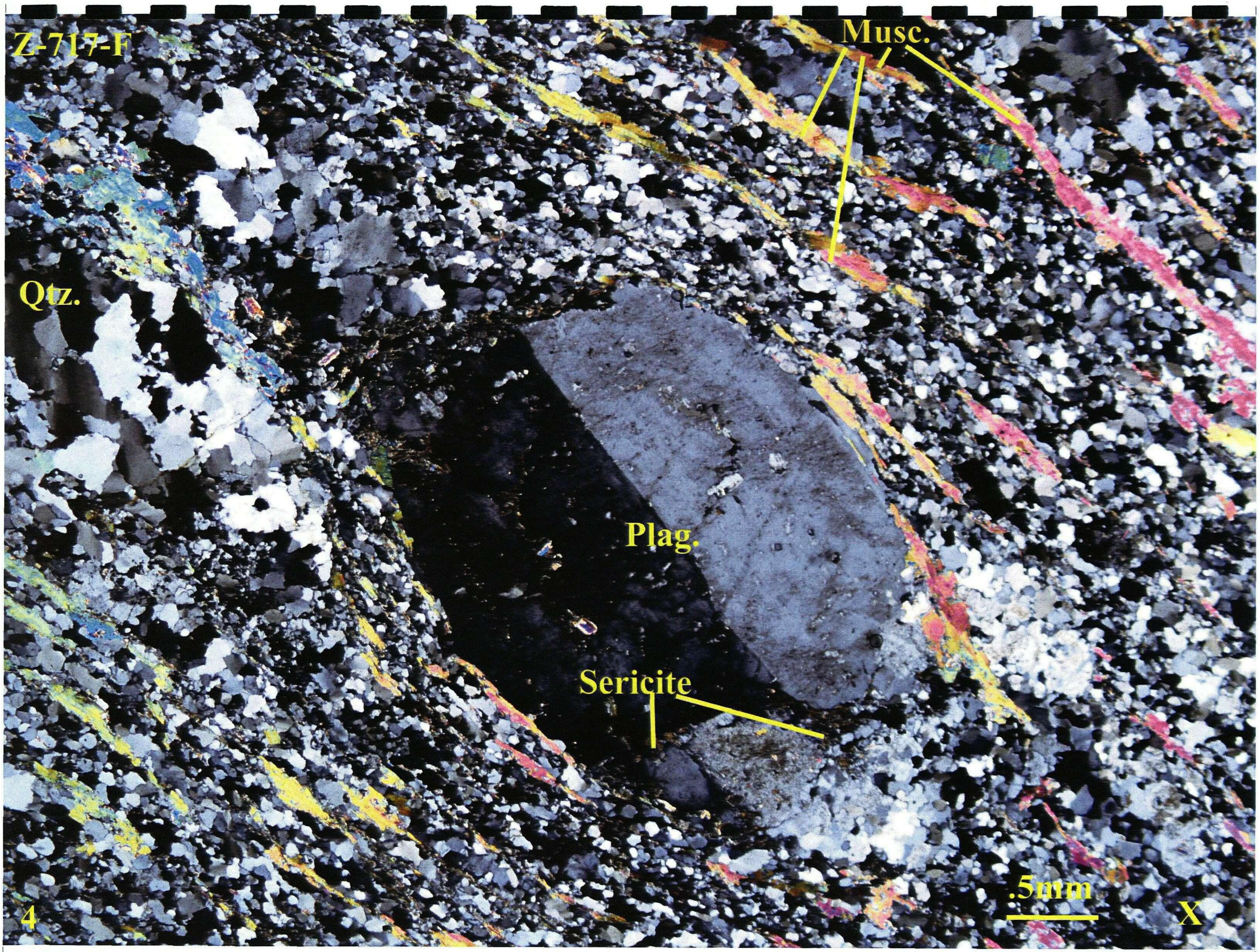
Z-663-7155
Mus
Epi
Epi
.3mm
P
1

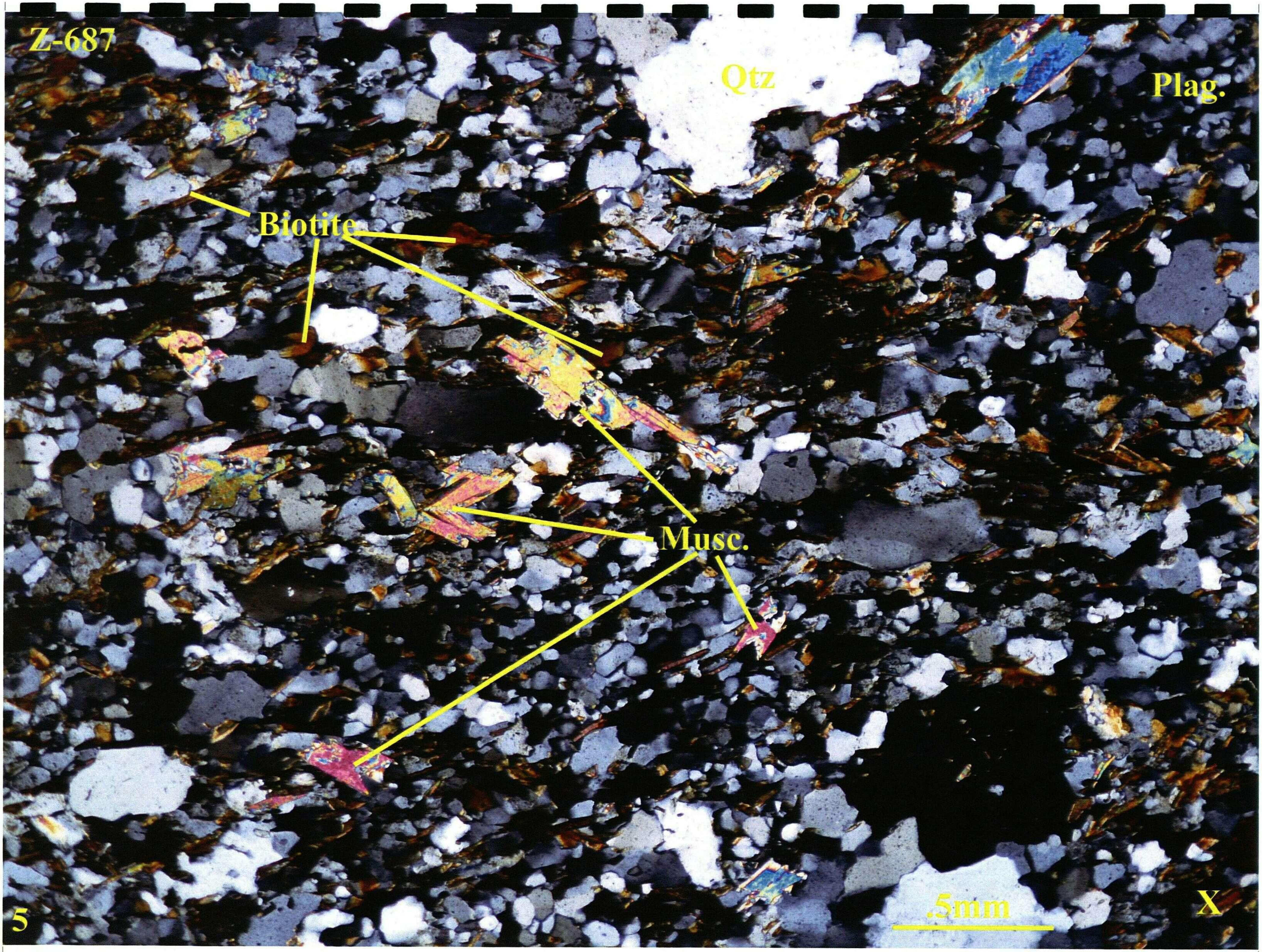


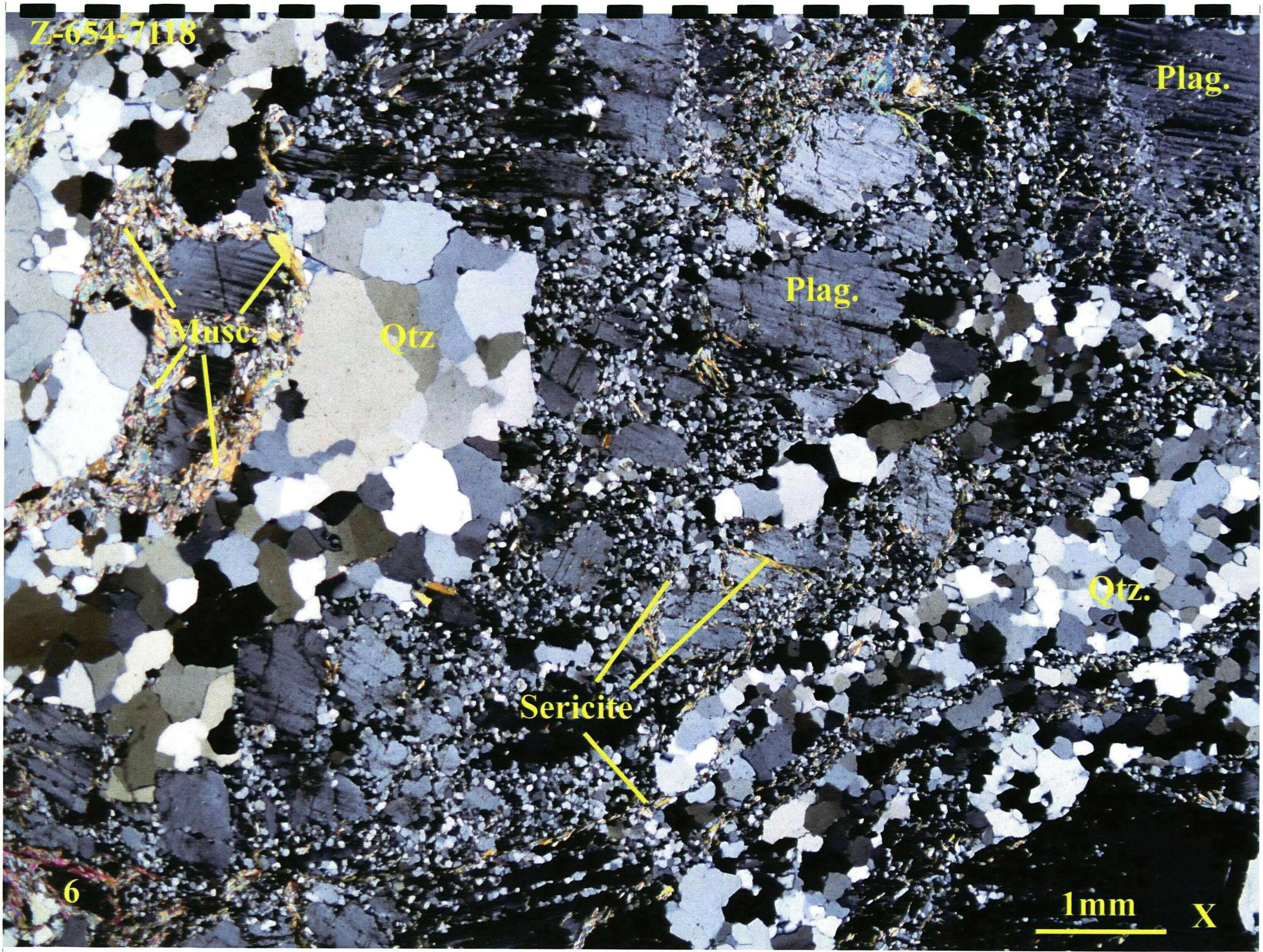
Z-663-7155
Mus
Ser.
Qtz
Qtz
Epi
3mm
2
X

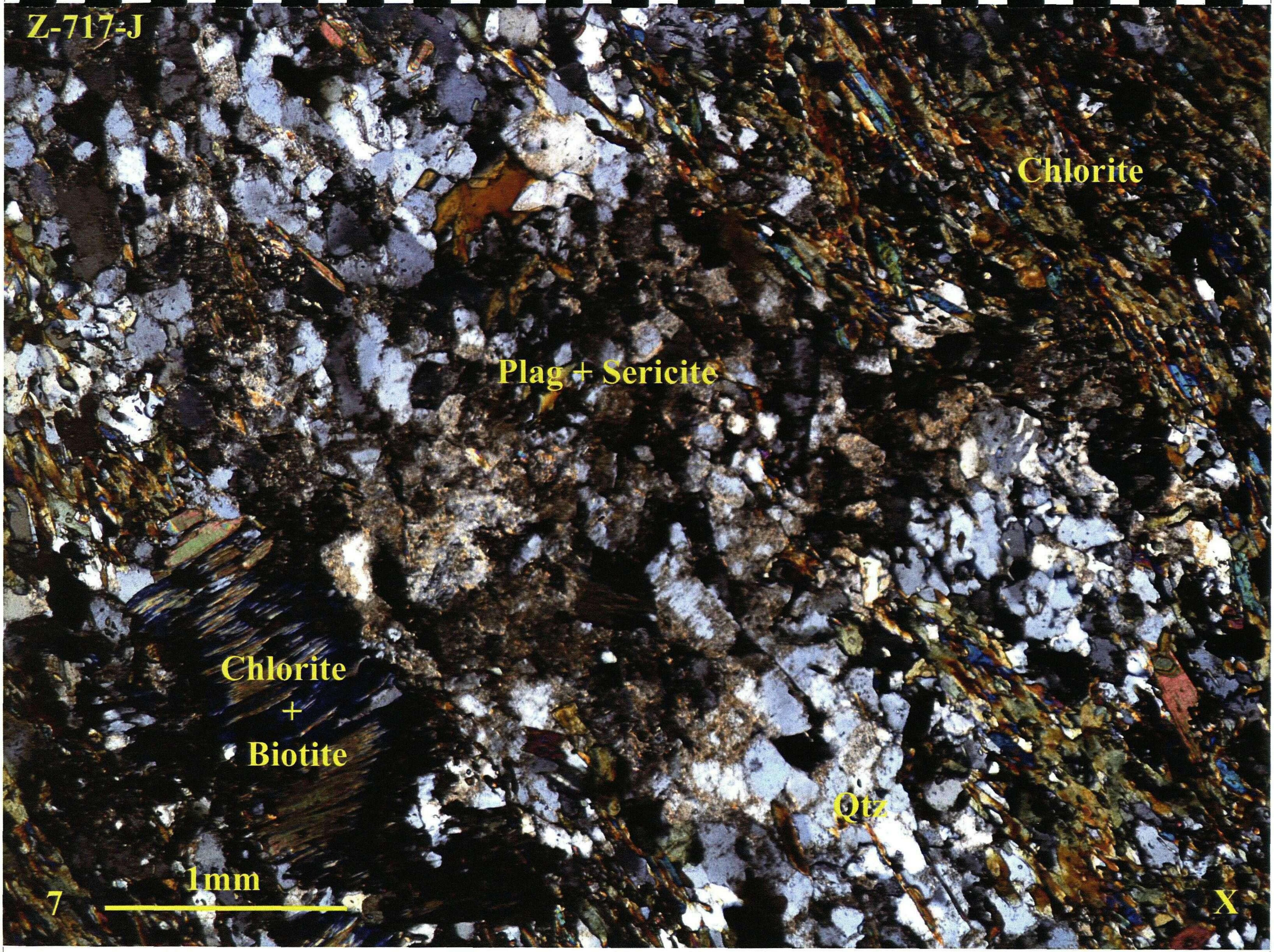


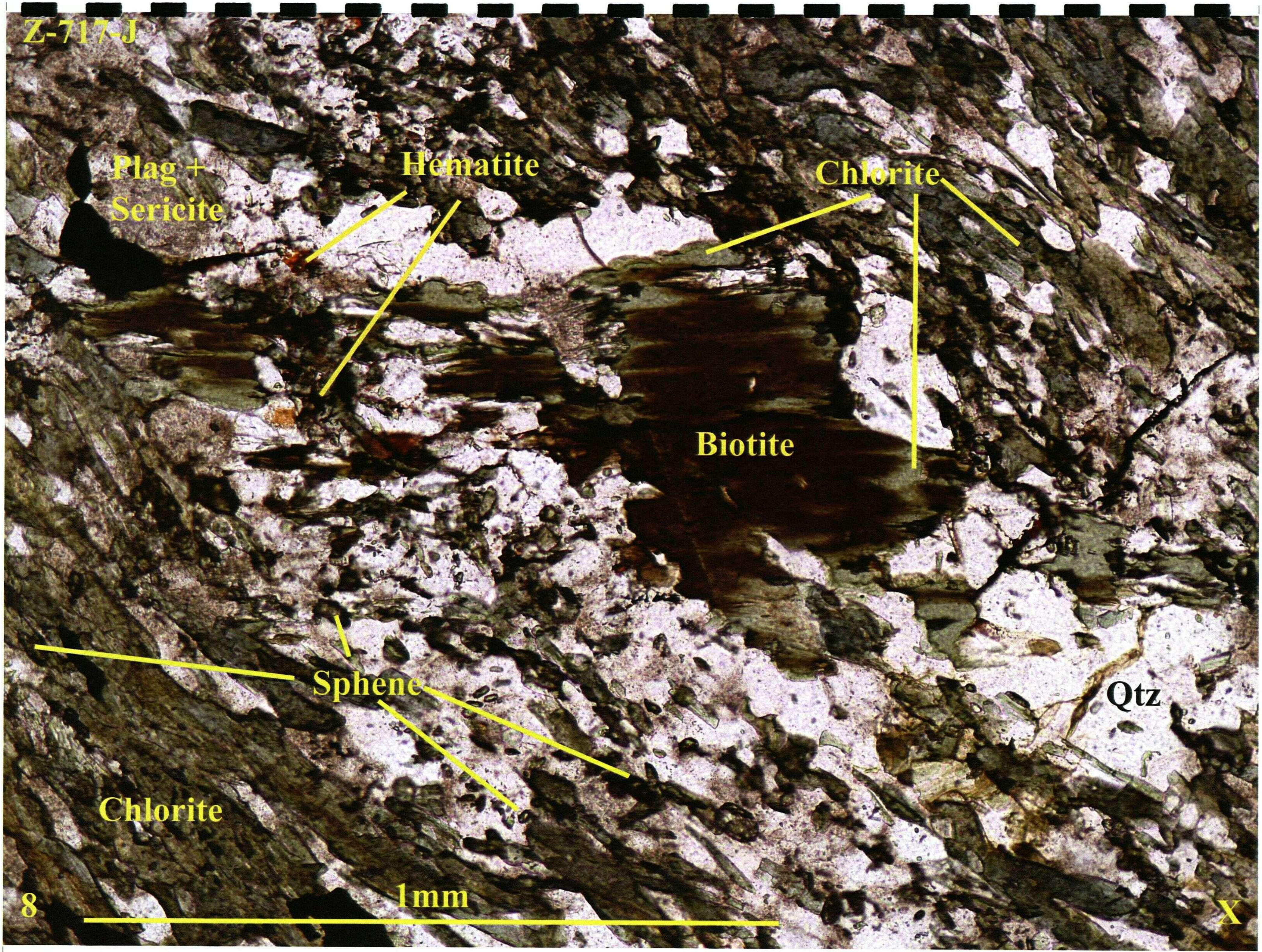
Z-637-7119
Musc.
Sericite after Plag.
Qtz
Qtz
K-Spar
Sericite after Plag.
1mm
3
X

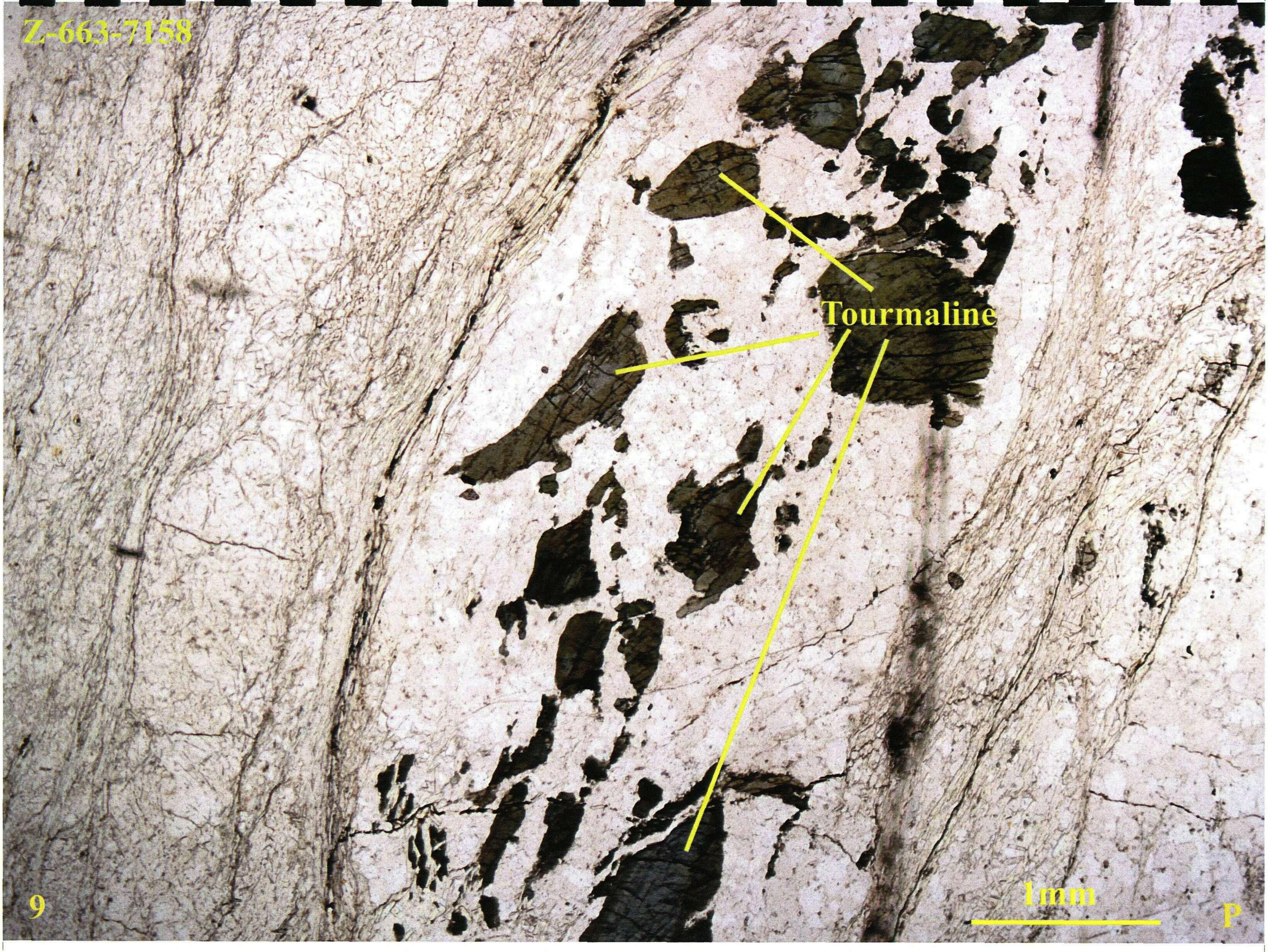

Z-717-F
Musc.
Qtz.
Plag.
Sericite
.5mm
4
X

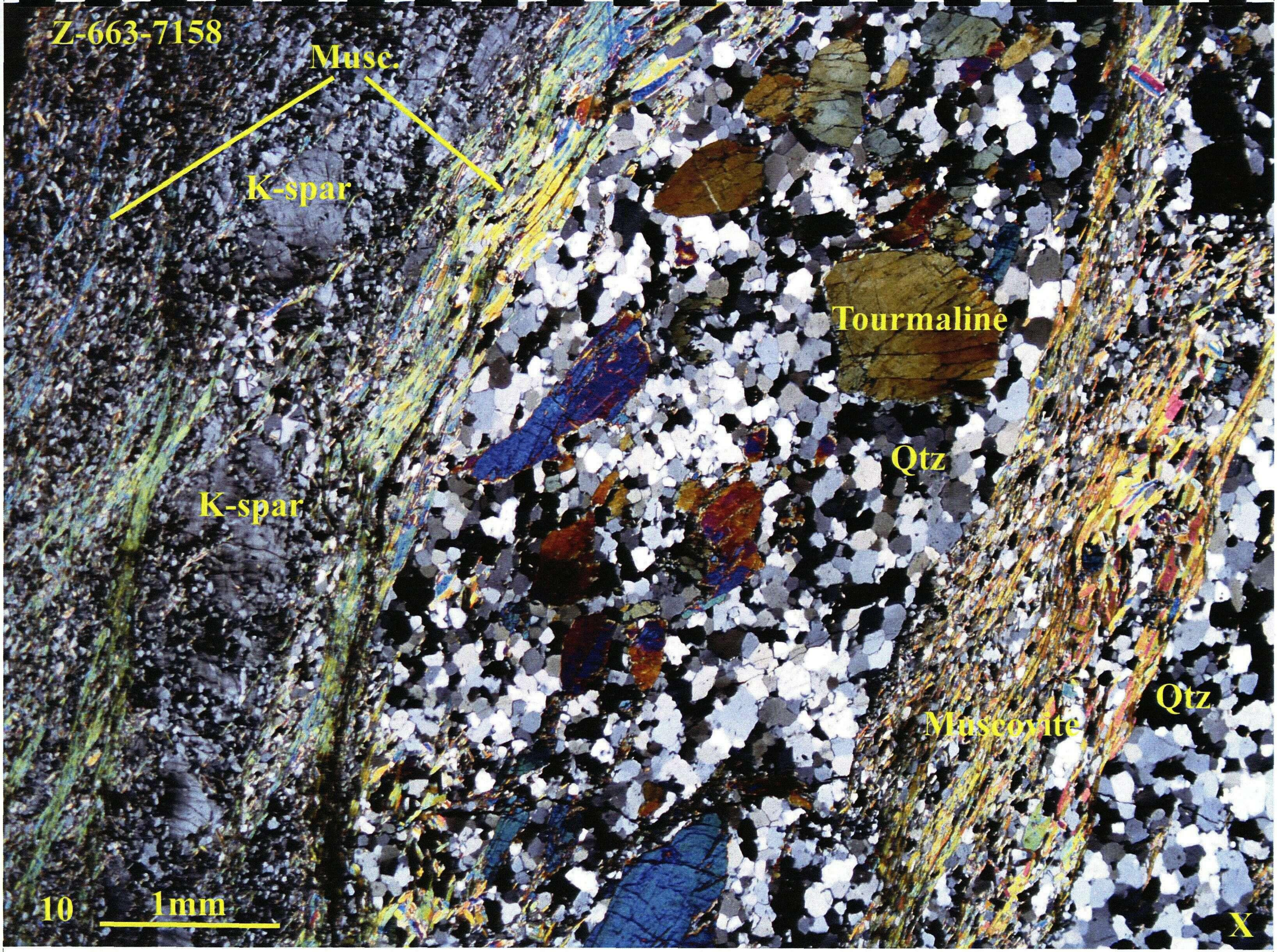

Z-687
Qtz
Plag.
Biotite
Musc.
.5mm
5
X


Z-654-7118
Plag.
Musc.
Qtz
Plag.
Qtz.
Sericite
6
1mm
X

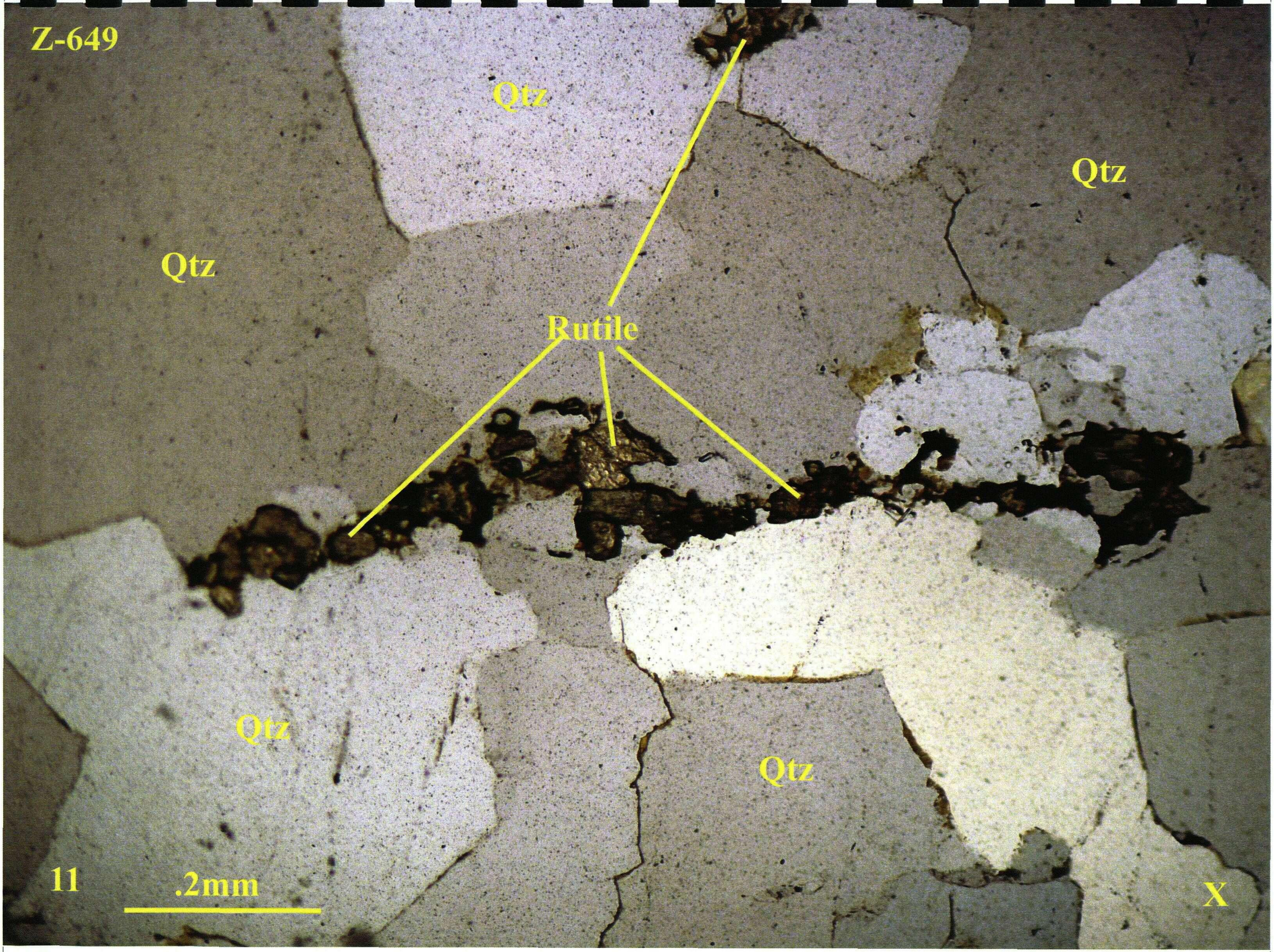

Z-717-J
Chlorite
Plag + Sericite
Chlorite
+
Biotite
Qtz
1mm
7
X

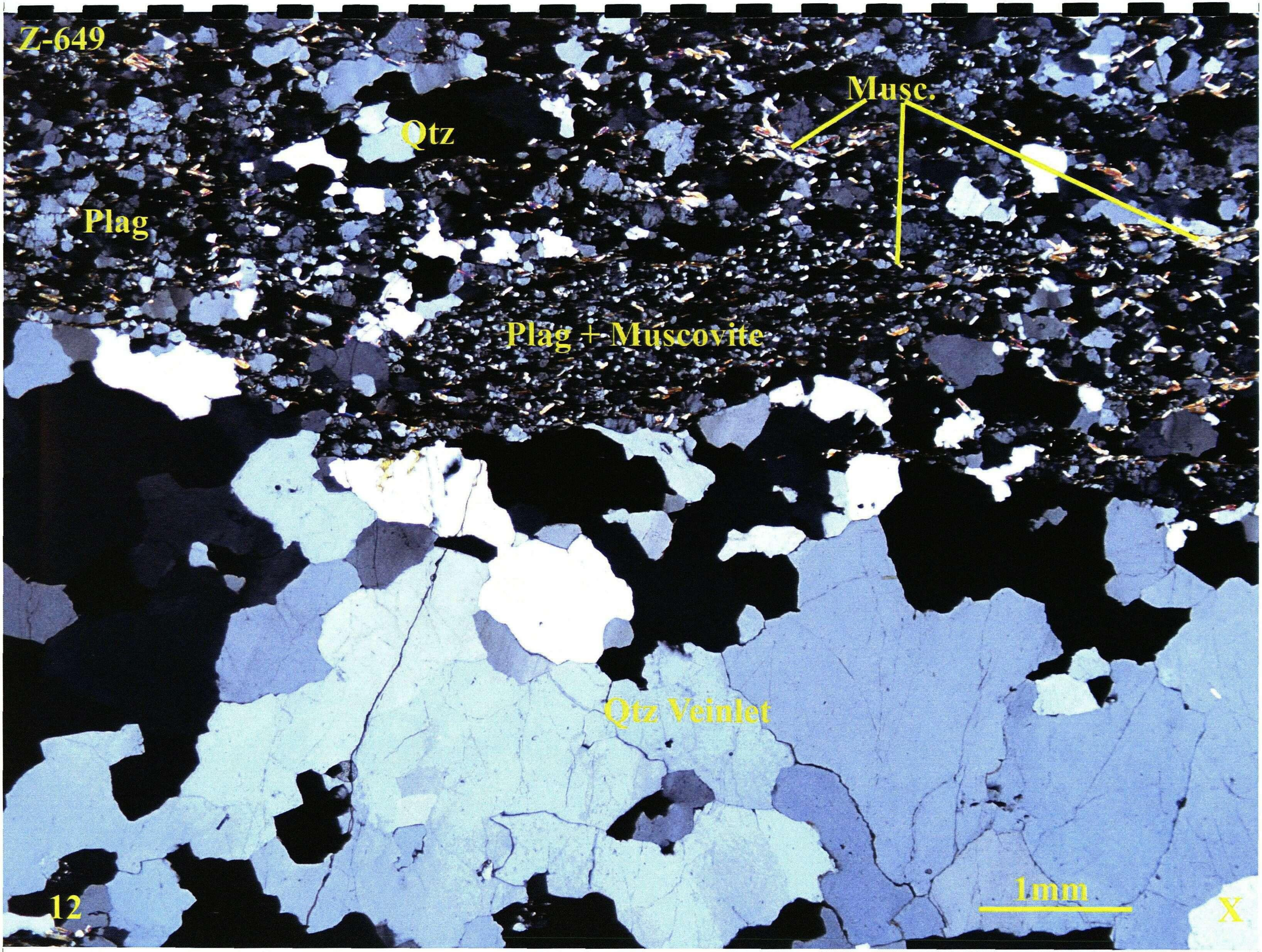

Z-717-J
Plag +
Sericite
Hematite
Chlorite
Biotite
Sphene
Qtz
Chlorite
8
1mm
X

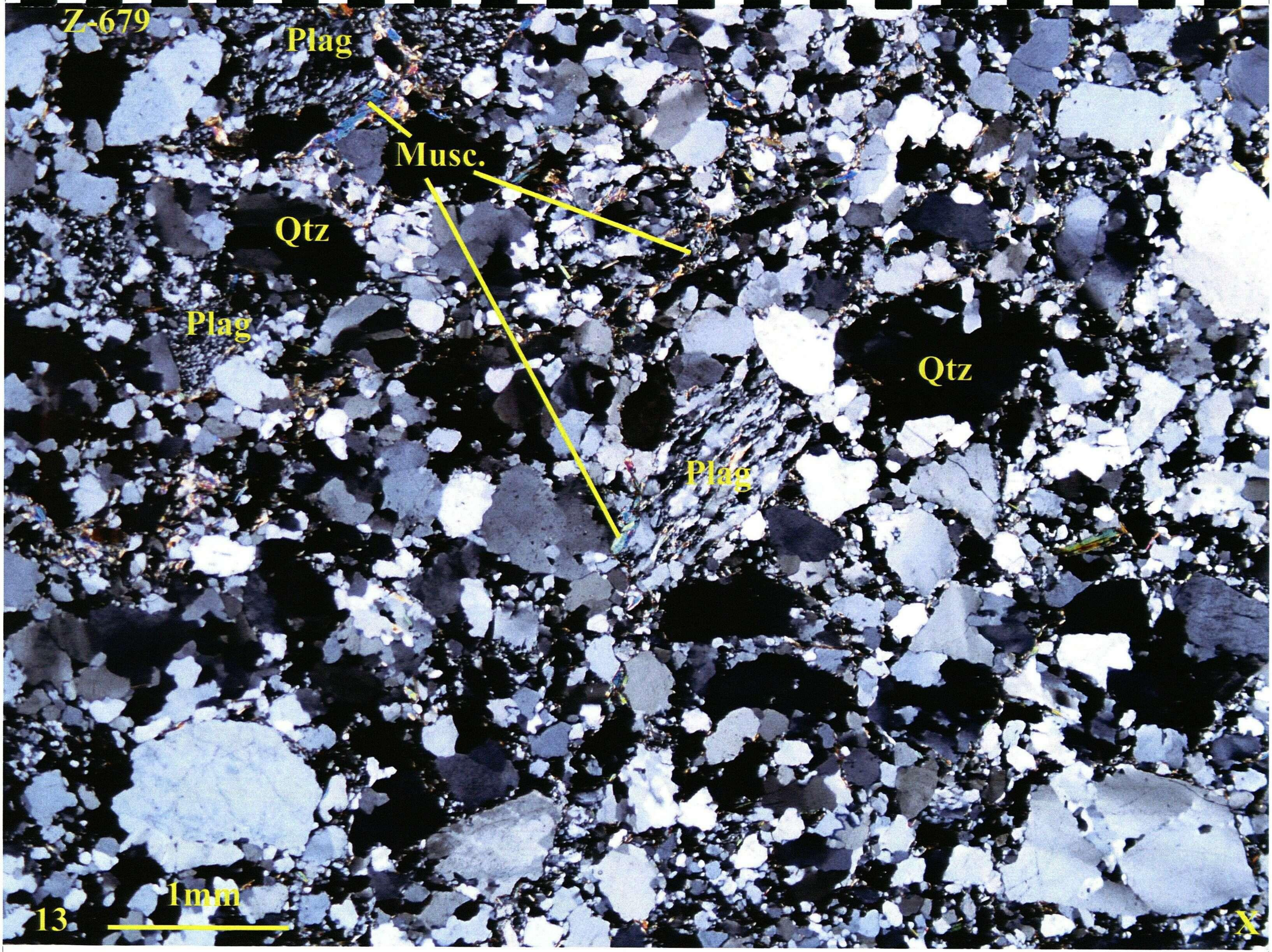

Z-663-7158
Tourmaline
9
1mm
P

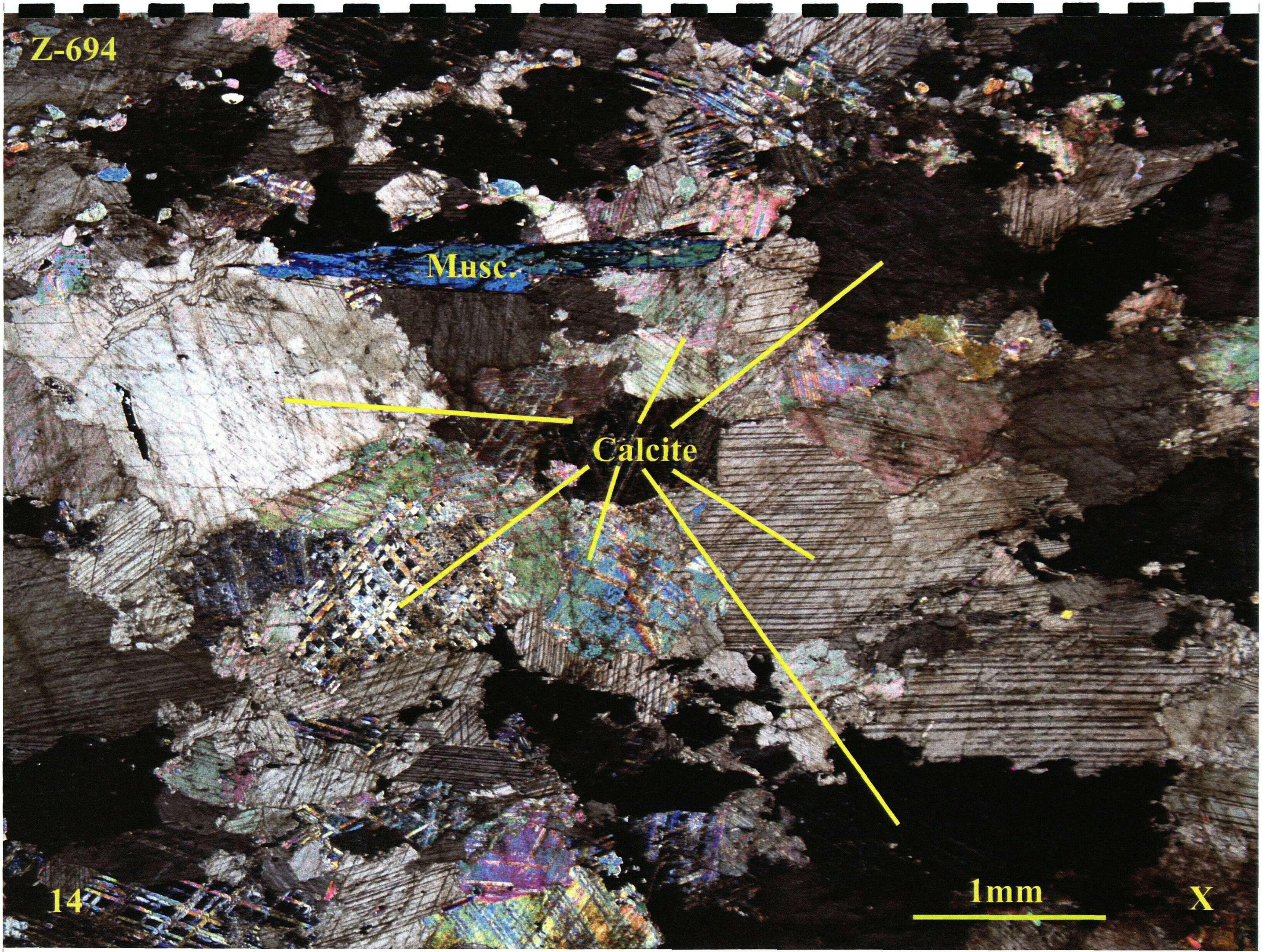


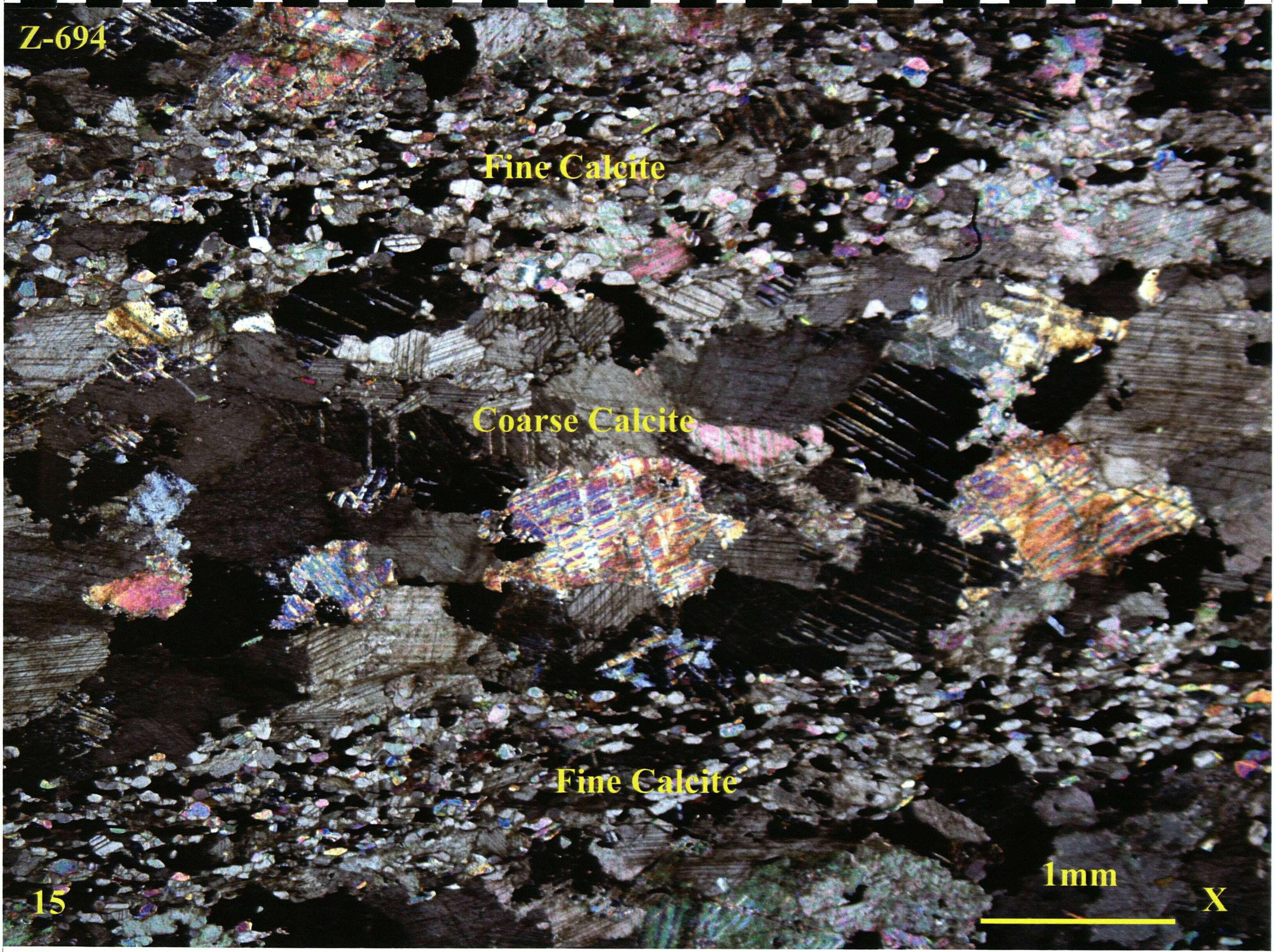
Z-663-7158
Musc.
K-spar
Tourmaline
K-spar
Qtz
Muscovite
Qtz
10
1mm
X

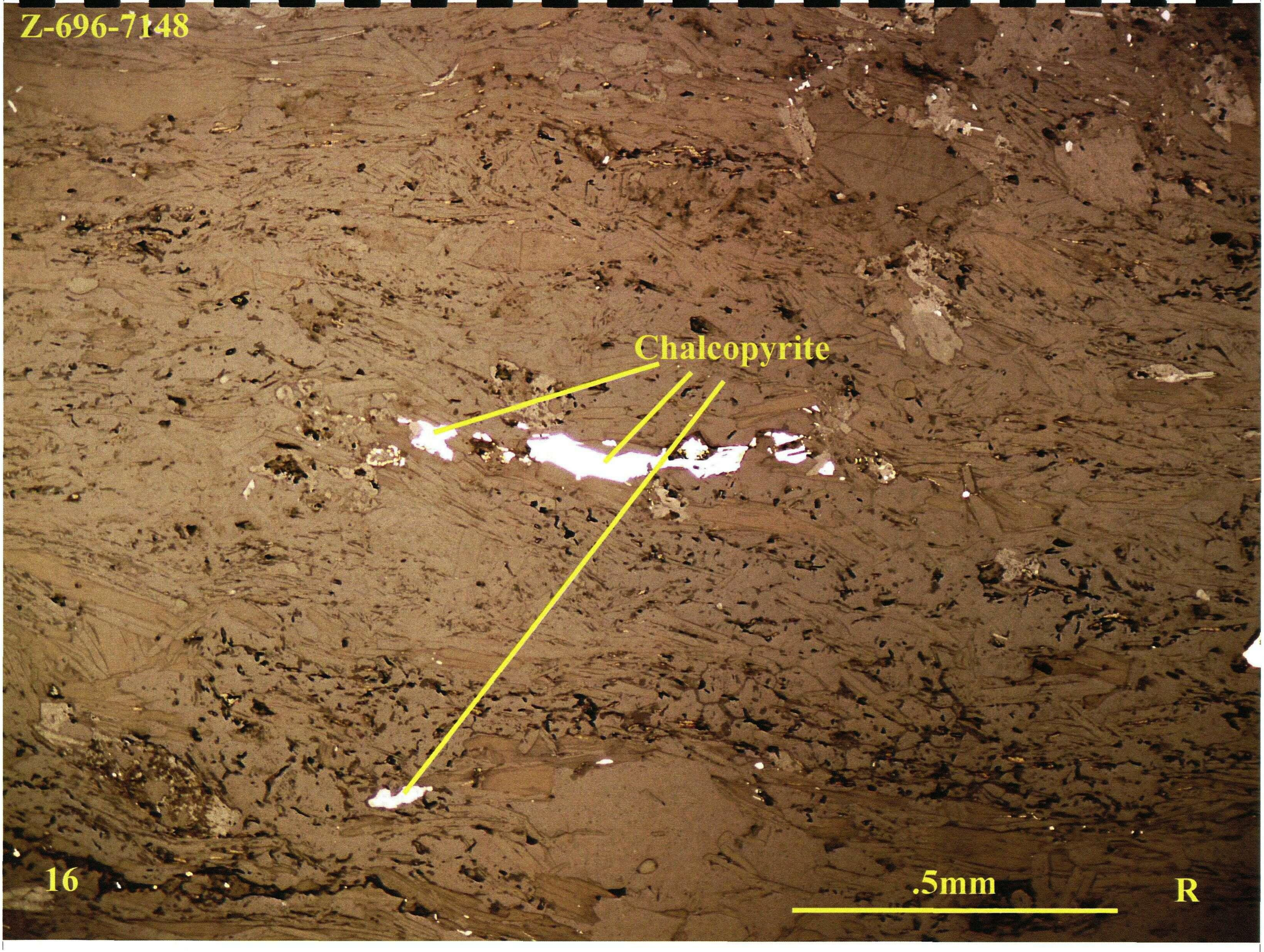

Z-649
Qtz
Qtz
Qtz
Rutile
Qtz
Qtz
11
.2mm
X


Z-649
Musc.
Qtz
Plag
Plag + Muscovite
Qtz Veinlet
12
1mm
X

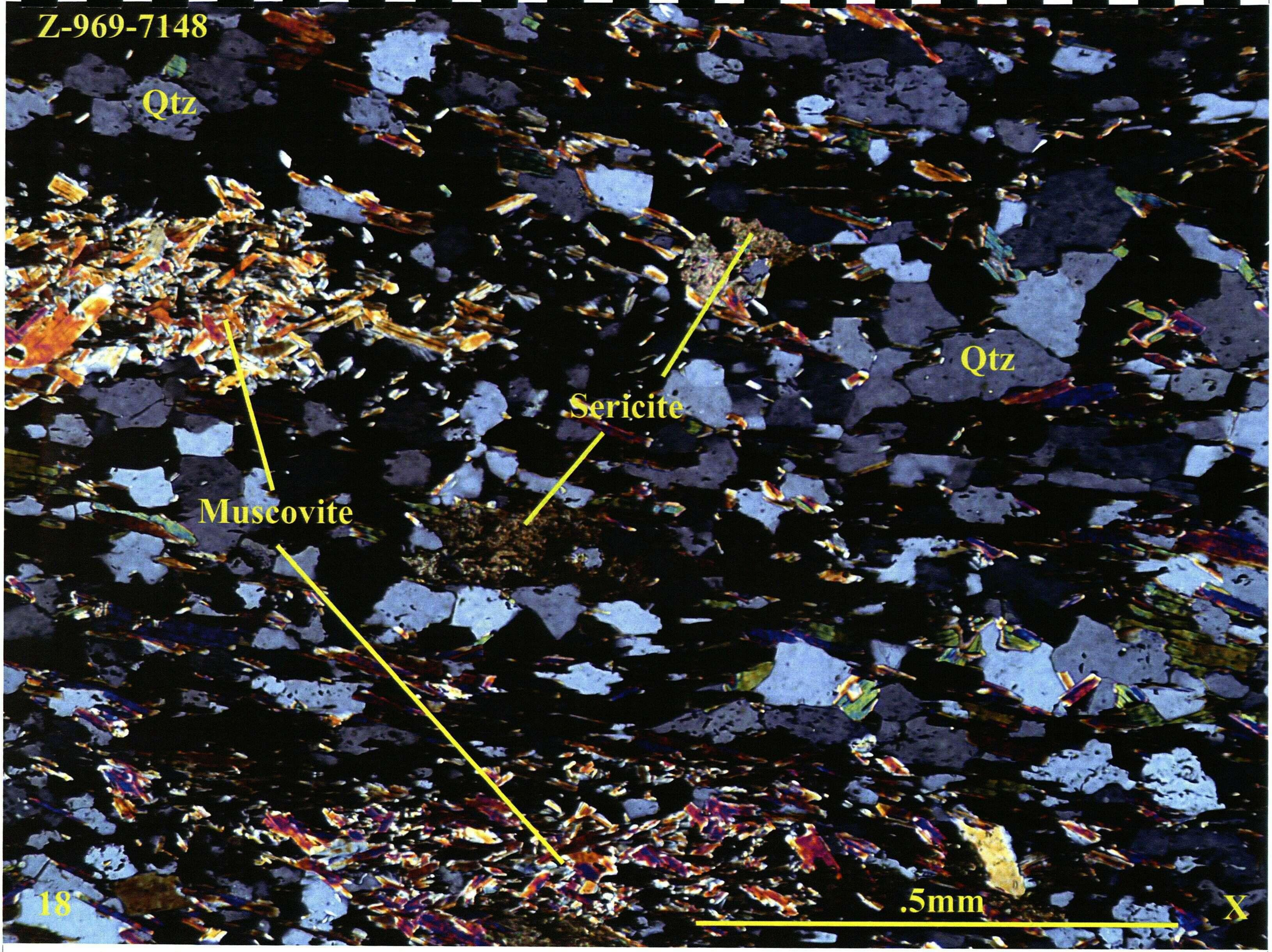

Z-679
Plag
Musc.
Qtz
Plag
Qtz
Plag
1mm
13
X


Z-694
Musc.
Calcite
14
1mm
X


Z-694
Fine Calcite
Coarse Calcite
Fine Calcite
15
1mm
X


Z-696-7148
Chalcopyrite
16
.5mm
R


Z-696-7148
Musc.
Qtz
Qtz.
Musc.
17
1mm
X


Z-969-7148
Qtz
Qtz
Sericite
Muscovite
18
.5mm
X

ADDENDUM – C: Receipts for Work Performed

As a follow up to the

Indian River Gold Project Report

By:
Rick J. Zuran
ARCHER CATHRO & ASSOCIATES (1981) LTD.

For :

Boulder Mining Corporation
Suite 800 – 850 West Hastings Street
Vancouver, B.C., V6C 1E1

ACME ANALYTICAL LABORATORIES LTD.

852 East Hastings,, Vancouver, B.C., CANADA V6A 1R6
Phone: (604) 253-3158 Fax: (604) 253-1716
Our GST # 100035377 RT

BOULDER MINING CORP.
800 - 850 W. Hastings St.
Vancouver, BC
V6C 1E1

Inv.#: **A506887**
Date: Nov 25 2005

QTY	ASSAY	PRICE	AMOUNT
81	GROUP 1DX (30 gm) @	17.25	1397.25
75	R150 - ROCK @	5.40	405.00
6	SS80 - SOIL @	1.65	9.90
			1812.15
	RXCR - 133.68 kg @ $0.90/kg		120.31
	RXS - 133.68 kg @ $0.40/kg		53.47
	GST Taxable		1985.93
	7.00% GST		139.02
	CAD $		**2124.95**

Project: Indian River
Samples submitted by Rick Zuran
FILE # A506887 & A506888 - SHIPPING CHARGE TO COME

COPIES 1

INVOICE

Please pay last amount shown. Return one copy of this invoice with payment.
TERMS: Net two weeks. 1.5 % per month charged on overdue accounts.

[COPY 2]

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 – 510 West Hastings Street
Vancouver, B.C. V6B 1L8
Telephone: 604-688-2568 Fax: 604-688-2578

In Account With
Boulder Mining Corporation
October 31, 2005

To invoice for the services of Rick Zuran September 8 to October 12, 2005 - 35 days at $640/day	$22,400.00
GST (R100247667)	1,568.00
	$23,968.00

1875

Indian River HardRock

ENTERED 03/11/05

OK to pay

Vancouver Petrographics Ltd.

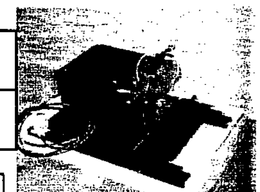
8080 GLOVER ROAD, LANGLEY, B.C. V1M 3S3
PHONE: 604-888-1323 - FAX: 604-888-3642
email: vanpetro@vanpetro.com
Website: www.vanpetro.com

DATE	24/11/2005

INVOICE NO.	050821

BILL TO	SHIP TO
Boulder Mining Corporation Rick Zuran 800-850 W Hastings Street Vancouver, BC V6C 1E1	Boulder Mining Corporation Rick Zuran 800-850 W Hastings Street Vancouver, BC V6C 1E1

Rock saws



P.O. NO.	TERMS	SHIP DATE	SHIP VIA	PROJECT	FOR
	Net 30	16/11/2005	Courier		

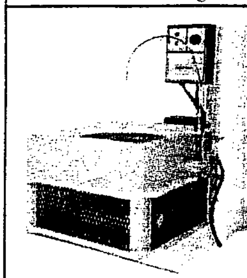
Diamond Blades

DESCRIPTION	QTY	RATE	AMOUNT
Thin Sections	10	16.00	160.00T
Polished Thin Sections	1	30.00	30.00T
Offcuts	11	1.00	11.00T
Kspar Staining	11	3.00	33.00T
Petrographic Report David		1,390.00	1,390.00T
Photos		100.00	100.00T
Shipping		10.00	10.00T
Business Number: 105484687			

ENTERED 12/08/05

1875

Rock Grinding



Sample Preparation

We appreciate your prompt payment.

GST	121.38
PST	0.00
TOTAL	Can$1,855.38