

BC Geological Survey  
Assessment Report  
31854

**TECHNICAL REPORT  
ON THE  
REDGOLD WEST PROPERTY**

**CARIBOO MINING DIVISION**

NTS: 093A.042 & 093A.043

Latitude 52 25' 21.7"N Longitude 121 35' 52.8"W

UTM NAD 83 50809000 mN and 595000 mE.

Prepared by:  
Durfeld Geological Management Ltd.  
RM (Rudi) Durfeld, P. Geo.  
P.O. Box 4438  
Williams Lake, B.C.  
V2G 2V5

Effective Date: December 15<sup>th</sup>, 2010

## TABLE OF CONTENTS

Table of Contents .....	2
A.) Property Description .....	2
1) Location .....	2
2) Access and Physiography .....	2
3) Claims .....	3
4) Regional History ( Horsefly Area).....	5
5) 2008 Exploration Program .....	6
B.) Geology.....	6
C.) Geochemistry .....	7
1) Sample Collection.....	7
2) Sample Analysis.....	7
D.) Results.....	7
E.) Cost Statement .....	9
F.) Statement of Qualifications.....	10

## ILLUSTRATIONS

Figure 1	REDGOLD WEST PROPERTY LOCATION MAP	Page 1
Figure 2	REDGOLD WEST CLAIM LOCATION MAP	Page 4
Figure 3	REDGOLD WEST GEOLOGY/2008 ROCK SAMPLES	Attached
Figure 4	REDGOLD WEST GOLD (ppb) IN ROCK	*
Figure 5	REDGOLD WEST COPPER (ppm) IN ROCK	*
Figure 7	REDGOLD WEST GOLD (ppb) IN SOIL	*
Figure 8	REDGOLD WEST COPPER (ppm) IN SOIL	*

## APPENDICES

APPENDIX I	-2008 Rock Sample Location / Description -2008 Soil Sample Location / Description
APPENDIX II	2008 Analytical Results - Rock Sample Analyses - Soil Sample Analyses
APPENDIX III	ANALYTICAL PROCEDURES (Rock and Soil)

# Redgold West Property Location Map

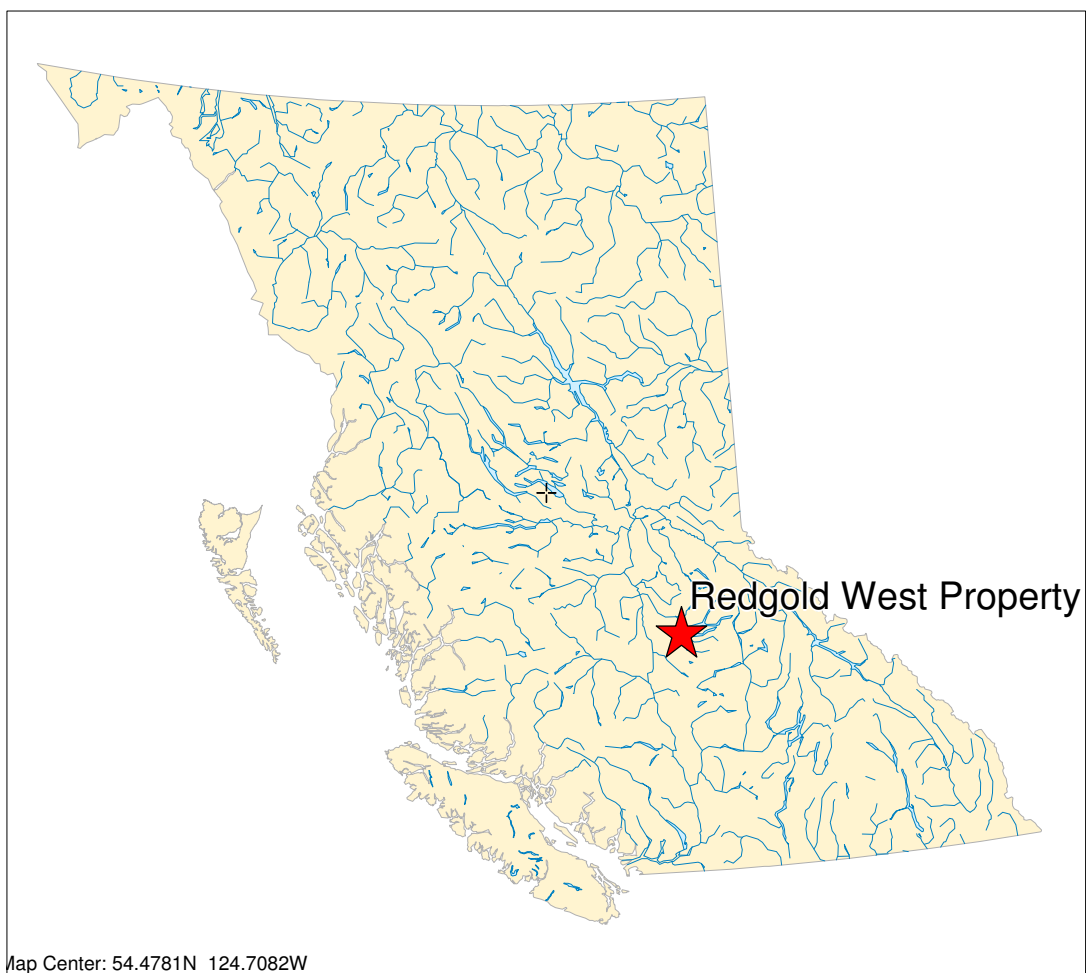
 **Redgold West Property Location**

**Topographic Layers**

-  Lakes 1:6M
-  Rivers 1:6M

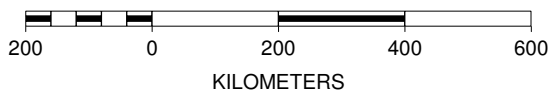
**BC Border Layers**

-  BC Border 1:6M



Map Center: 54.4781N 124.7082W

SCALE 1 : 12,000,000



## **A.) PROPERTY DESCRIPTION**

### 1) Location

The Redgold West property consists of one mineral tenure covering 414 hectares in the Cariboo Mining Division in central British Columbia. The property is located approximately 63 kilometers northeast of Williams Lake and 16 kilometers northeast of the community of Horsefly (Figure 1). The property is centered at 52° 25' 21.7" North Latitude and 121° 35' 52.8" West Longitude (Topographic Map 1:20,000 Trim Sheet 093A.042 and 093A.043).

### 2) Access and Physiography

From Horsefly paved and all weather gravel roads provide good access to and on the property.

The property lies in the Quesnel Highland Physiographic region of the central British Columbia Interior and has a mean annual precipitation of 100 to 150 cm. The area averages 100 frost free days a year and snow can arrive anytime after October 15<sup>th</sup>. By April the total snow accumulation can be from one to two metres. Ground surveys are the most effective between Mid-May to Mid-October, while drilling can be conducted year round with the extra expense of snow removal. The terrain includes broad valleys and gently rolling hills, and elevation ranges from 800 to 900 metres above sea level.

Vegetation is characteristic of the Interior Cedar- Hemlock biogeoclimatic zone with a moist vegetative zone dominated by combinations of coniferous (pine-spruce-fir-cedar) and deciduous (birch-poplar) forests with variable undergrowth of alder and devil's club. Some of the Redgold West property and adjacent land have been clear-cut logged and converted to improved pasture. Recent logging in the area has greatly improved access through the creation of new roads.

The infrastructure at Williams Lake would easily support any development in the Redgold West area. A reliable supply of water is readily available from the Horsefly River system, and there is adequate area on the property for mine-mill development and

waste or tailings disposal. The permitting and commissioning of the Mount Polley Mine in 1997, 15 kilometres to the northwest, reaffirms the area as favourable to mining activities.

### 3) Claims

The property consists of one mineral tenure (number 636403) registered 100% to RM Durfeld (FMC 107306). The following table lists the detailed tenure information (tenure number, claim name, type, good until date and area) and the relative claim location is shown on the Redgold West Claim Map (Figure 2). The good until date reflects the filing of the work documented in this report.

<b>Tenure Number</b>	<b>Type</b>	<b>Claim Name</b>	<b>Good Until</b>	<b>Area (ha)</b>
636403	Mineral	ANTOINE	9/17/2011	413.985




In British Columbia acquisition of Crown mineral rights is governed by the Mineral Tenure Act and administered by the Mineral Titles Branch. Exploration and development required to maintain a mineral claim in British Columbia for 1 year is \$4/hectare for the first, second and third anniversary years and \$8/hectare for each subsequent year, along with applicable recording fees.

# Redgold West Claim Map


**Mineral Titles Layers**

-  Redgold West Property Tenure
-  All Mineral Tenures


**Topographic Layers**

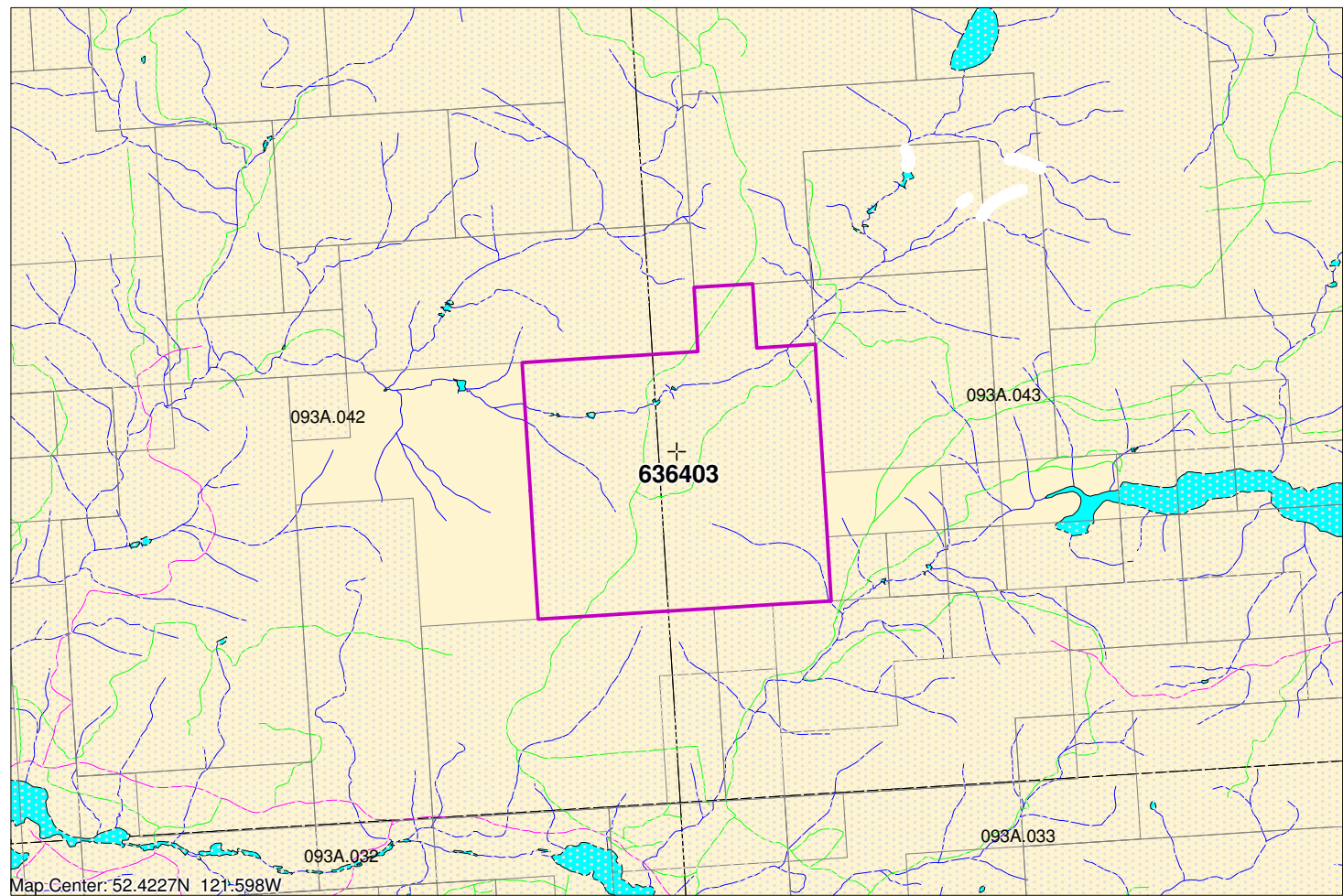
-  Roads 1:20K
  -  Gravel Road
  -  Paved Road
  -  Rough Road
-  Lakes 1:20K
-  Rivers 1:20K

**Grid Layers**

-  Grid 1:20K - labels
-  Grid 1:20K - outline

**BC Border Layers**

-  BC Border 1:50K



SCALE 1 : 50,000



#### 4) Regional History ( Horsefly Area)

In 1859 placer gold was discovered 35 kilometres northwest of the Redgold West property, at Quesnel Forks on the Quesnel River. This discovery sparked the Cariboo gold rush which lasted for five years and resulted in an estimated 3 million ounces of placer gold being recovered from the Cariboo (Boyle, 1979). During this period the Horsefly River system contributed to this value due to extensive placer mining in the area. There is no record of lode gold production from the Redgold area, but evidence of past placer mining activity is apparent by workings along the Horsefly River just west of the property.

The Mount Polley porphyry copper-gold deposit, 15 kilometres northwest of the Redgold West property, was discovered in 1964 during exploration of a prominent aeromagnetic high anomaly. Exploration at Mount Polley has been ongoing since that time, and Imperial Metals commenced production from the deposit in July of 1997.

The discovery of the Mount Polley deposit spurred exploration interest for additional porphyry copper deposits throughout the Quesnel Terrain. Exploration targets were defined as aeromagnetic high anomalies associated with alkalic intrusive complexes. aeromagnetic anomalies associated with alkalic intrusive. In 1973 Dome Mines' Ltd and Newconex Holdings Ltd located the SL mineral claim group to cover the porphyry copper-gold potential of the alkalic Shiko stock. This holding was subsequently reduced and transferred to Terramar Mines Ltd., a public company traded on the Vancouver Stock that Exchange. In May of 1982, RM Durfeld and JW Morton, while conducting reconnaissance exploration in the Shiko Lake area located the SHIK 1 and 2 mineral claims to cover the Redgold showing. The Redgold showing is an area underlain by propylitically altered alkalic volcanics with disseminated pyrite and chalcopyrite with significant gold values. Since that time the property has been expanded to cover the entire Shiko intrusive complex.

On September 17<sup>th</sup>, 2009, RM Durfeld acquired the Antoine mineral tenure (636403) on which prospecting and sampling was conducted during the 2010 field season to evaluate its potential of hosting copper and/or gold mineralization.

#### 5) 2008 Exploration Program

In 2010 a prospecting program including rock and soil sampling was conducted on the Redgold West property. On July 22<sup>nd</sup> and July 27<sup>th</sup> a total of 35 rock samples were taken from the property and retained for further examination. Of these samples, 6 were analyzed for gold and multi-element ICP. Figure 3 shows the location of all the rock samples. A small grid was established based on sulphide mineralization evident in the hand samples and on August 7<sup>th</sup> 20 soil samples were taken in this area. Figure 6 shows the location of the soil samples. The soil samples were also submitted for geochemical analysis. Additionally, portions of the newly created logging roads as well as the old logging roads were mapped with a GPS to improve the overall map accuracy.

### **B.) GEOLOGY**

The Redgold West property is located in the central part of the Quesnel Terrane, a north/north-westerly trending belt of Upper Triassic to Lower Jurassic arc terranes with both alkaline and calc-alkaline volcanic rocks, derived sediments, and coeval intrusions. This belt, which runs from the Canada-United States border to northernmost British Columbia, hosts several porphyry copper and/or gold deposits of the alkalic suite (eg. Copper Mountain, Afton, RedGold, Mount Polley, QR, Mount Milligan, Red Chris and Galore Creek). Alkalic porphyries are often associated with regional structures and related to alkalic intrusive centres, and hydrothermal alteration, mineral zoning, and magnetite enrichment are common. The Quesnel Terrane in the Horsefly area is a fault-bounded region that is flanked to the east by the Slide Mountain Terrane and the Precambrian to Paleozoic rocks of Barkerville and to the west by Paleozoic rocks of the Cache Creek Terrane (Figure 3).

The property area is underlain by volcanic and clastic rocks of the Late Triassic Nicola Group. Rubble of polymictic andesite breccias and sediments observed during sampling was consistent with the regional mapping.

Pyrite was observed in several samples of andesitic rubble. Based on the area of sulphide mineralization an area for soil sampling was defined.

## **C.) GEOCHEMISTRY**

### **1) Sample Collection**

During the 2010 program 20 soil and 6 rock samples were collected for analysis. Soil and rock sample sites were located using the Garmin GPS and recorded the UTM location in NAD 83.

Soil sampling was conducted with a grub hoe digging pits to a minimum of .7 metres to expose the soil profile. Samples were collected from the B-horizon, rock fragments removed and the sand silt and clay material placed in a pre-numbered kraft sample bag. The sample number and location were entered in an XL data base to later be merged with the analytical results.

Rock samples were collected as random chips from outcrop or float and placed with pre-numbered assay tags in plastic sample bags. The sample number and location were entered in an XL data base to be merged with the analytical results. The description of the individual rock samples are given in appendix I.

All equipment was cleaned between samples to avoid contamination.

### **2) Sample Analysis**

Samples were shipped to Eco Tech Laboratories Ltd in Kamloops for analysis by fire geochem gold and 34 element ICP. The labs detailed analytical procedures are given as Appendix III. The results were received in XL format and are tabulated as Appendix II. Detailed sample descriptions can be found in Appendix i, along with assay results. The geochemical values for gold and copper in soil are plotted as figures 7 and 8.

## **D.) RESULTS**

The soil and rock results were merged with the field data as appendix I. The results for gold and copper in rock are plotted as figures 4 and 5. The results for gold and copper in soils are plotted as figures 7 and 8.

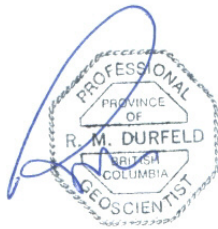
The rock sampling showed 1 rock 10256 of andesite with fine pyrite, near the north boundary, to be weakly anomalous in copper (142 ppm) while all the gold values in rock were less than detection (<.03 g/t). The soil sampling showed no anomalous gold values and weakly elevated copper (44 ppm) in the area of rock sample 10256.

Ongoing work should consist of follow-up prospecting and rock sampling in the area of rock sample 10256 to determine the extent of the sulphide mineralization and opportunity for higher grade copper mineralization.

## E.) COST STATEMENT

REDGOLD WEST PROJECT 2010				
JULY 1, 2010 to AUGUST 31, 2010				
Prospecting and Soil Sampling				
<b>Travel / Room / Board</b>				
	1 - 4X4 Pickup	757 km	@ .90/km	\$681.30
	1 - Quad	4 day	@ \$70/day	\$280.00
	Room and Board	8 manday	@ \$85/day	\$680.00
<b>Wages</b>				
Geologist				
	RM Durfeld, P.Geo	1 day	@ \$700/day	\$700.00
Assustant / Mag Operator				
	A. Penner	54 hour	\$36 / hour	\$1,944.00
	N. Booker	54 hour	\$36/ hour	\$1,944.00
<b>Analytical</b>				
	Soil Samples	20 soil	@ \$24.70	\$494.00
	Rock Samples	6 rock	@ \$29.50	\$177.00
<b>Reporting</b>				
	Report			\$1,000.00
<b>TOTAL 2010 PROJECT COST</b>				<b>\$7,900.30</b>

Dated at Williams Lake, British Columbia  
this 15<sup>th</sup> day of December 2010.



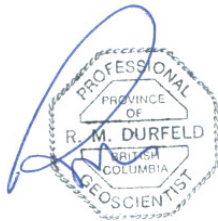
R.M. Durfeld, B.Sc., P.Geo.

## **F.) STATEMENT OF QUALIFICATIONS**

I, Rudolf M. Durfeld, do hereby certify that:

- 1.) I am a geologist with offices at 2029 South Lakeside Drive, Williams Lake, BC.
- 2.) I am a graduate of the University of British Columbia, B.Sc. Geology 1972, and have practiced my profession with various mining and/or exploration companies and as an independent geological consultant since graduation.
- 3.) I am a member Canadian Institute of Mining and Metallurgy.
- 4.) That I am registered as a Professional Geoscientist by the Association of Engineers and Geoscientists of B.C. (No. 18241).
- 5.) That this report is based on:
  - a.) my project supervision and hand sample identification as part of the Redgold West exploration program conducted in July and August 2010.
  - b.) a compilation of the 2010 exploration data.
  - b.) my personal knowledge of the property area and a review of available government maps and assessment reports.

Dated at Williams Lake, British Columbia  
this 15<sup>th</sup> day of December 2010.



**R.M. DURFELD, B.SC., P.GEO.**

## APPENDICES

APPENDIX I      -2010 Rock Sample Location / Description  
                     -2010 Soil Sample Location / Description

Sample No.	Site (WP)	Easting	Northing	Notes	Date	Lithology	
	214	594515	5807761	outcrop: massive dark volcanic flow breccia (basalt?), fine grained, subangular clasts, andesitic to basaltic	22-Jul-10	volcanic flow bx	1
	214b	594515	5807761	float: very fine dark matrix, vuggy (small cavities), muted green mineral (epidote), subangular clasts, calcite? in vesicles	22-Jul-10	volcanic flow bx	1
	*215	594560	5807802	float: weathered surface dull grey/tan, fresh surface w/reddish tinge, some potassic alteration, hematite, non-magnetic	22-Jul-10	subaerial volcanic w/potassic alteration	3
	215b	594560	5807802	float: dull grey/tan weathered surface, rusty throughout rock, fine grained, possible sediment, immature strongly magnetic, possibly some fine sulphide	22-Jul-10	?	6
10258	215c	594560	5807802	float: tan weathered surface, foliated intrusive (gneissic?), coarse grained, larger crystals, abundant pink fspar (kspar), fine disseminated sulphide, non-magnetic, abundant small dark crystals (biotite?)	22-Jul-10	qz/fspar/bi porphyry	2
	216	594694	5807958	float: polished weathered surface, tan/rusty, fine grained, volcanic, dark, no larger clasts, similar to 214	22-Jul-10	volcanic flow bx	1
	217	595003	5808336	float: same as 215c, foliated intrusive, pink feldspars, long axes of crystals parallelly aligned	22-Jul-10	qz/fspar/bi porphyry	2
10257	*218	595025	5808596	float: grey/tan dull weathered surface, fine grained felsic sugary matrix, abundance of long (up to 5mm), thin glassy black crystals randomly arranged, volcanic, small amount of sulphide (PY, CPY), one large (5mm x 10mm) black crystal, magnetic, overprint of light green mineral (epidote?)	22-Jul-10	volcanic w/hornblende and epi overprint	1
	219	594957	5808608	outcrop: fine grained massive dark volcanic (basalt)	22-Jul-10	volcanic flow bx	1
	219b	594957	5808608	float: intrusive, smaller crystal size than 215c & 217, abundant QZ & fspar, relatively few mafics	22-Jul-10	qz/fspar/bi porphyry	2
	220	595096	5808811	float: intrusive, abundant dark glassy black mineral, medium sized grains	22-Jul-10		4
	*220b	595096	5808811	float: similar to 218, fine grained dark matrix, no elongated crystals, small specks of sulphide	22-Jul-10	volcanic flow bx	1
	221 (general area)	595145	5809568	open meadow, abundant float rocks of varying composition	22-Jul-10		
	221a	595145	5809568	float: volcanic, dark fine grained breccia, small white clasts, more oxidized than other samples (more sub-aerial)	22-Jul-10	subaerial volcanic bx	5
	221b	595145	5809568	possible bedrock: quartz-feldspar biotite porphyry, some foliation, siliceous, coarse grained, abundant mica, green mineral, some alteration? Flaky	22-Jul-10	qz/fspar/bi porphyry	2
10256	221c	595145	5809568	float: one small boulder, volcanic flow breccia, extremely fine sulphide, fine grained dark grey matrix, abundant mafics, white clasts up to 5mm, non-magnetic	22-Jul-10	volcanic flow bx	1
	221d	595145	5809568	float: one small boulder, subangular white clasts in a fine felsic light brownish matrix, possibly rhyolite	22-Jul-10	volcanic - rhyolite?	7
	222	595282	5808946	float, well rounded, side of new logging road: intrusive, slight foliation, QZ/fspar/bi porphyry, no sample	27-Jul-10	qz/fspar/bi porphyry	2
	222b	595282	5808946	float, well rounded, side of new logging road: volcanic flow bx, fine felsic matrix	27-Jul-10	volcanic flow bx	1
	223	595428	5808723	float (large subangular boulder on roadside): massive dark volcanic, flow bx, possibly some alteration, no visible sulphide	27-Jul-10	altered volcanic flow bx	1
	224	596524	5808457	outcrop: volcanic, felsic, abundant quartz, some overprint of green material (epi), oxidized (more subaerial), magnetic in some spots	27-Jul-10	subaerial volcanic bx	5
	225	596728	5808456	possible bedrock on steep bank: fine grained matrix, volcanic, dark, similar to previous samples	27-Jul-10	volcanic flow bx	1
	225b	596728	5808456	volcanic breccia, fine felsic matrix	27-Jul-10	volcanic flow bx	1
	225c	596728	5808456	float (large angular boulder): volcanic breccia, fine felsic matrix, more subaerial (oxidized)	27-Jul-10	volcanic flow bx	1
	226	596798	5808699	bedrock in middle of road: same volcanic, subaerial (oxidized), fine grained with some larger dark blk/grn crystals (hornblende)	27-Jul-10	volcanic flow bx w/hornblende	1
	227	596768	5808615	bedrock: volcanic flow, fine grained dark felsic matrix, some larger white crystals (calcite?)	27-Jul-10	volcanic flow bx	1
	228	595679	5809179	float: same volcanic flow breccia, no sample	27-Jul-10	volcanic flow bx	1
	229	594425	5808991	float: same volcanic flow breccia, different logging road with abundant float rock	27-Jul-10	volcanic flow bx	1
	230	593925	5808933	possible outcrop in meadow: conglomerate with different clasts, some epidote overprint, fine dark matrix	27-Jul-10	conglomerate	8
10255	231	593933	5808940	small float rock: fine dark matrix, volcanic, small amounts of PY and possible CPY, located next to sample 230	27-Jul-10	volcanic flow bx	1
	232	593984	5808803	float: volcanic flow, fine matrix with some larger dark (hornblende?) crystals, strongly magnetic	27-Jul-10	volcanic flow bx w/hornblende	1
10253	233	593824	5808781	float, numerous rocks of similar composition, intrusive rock with crosscutting QZVN's and QZ stockwork, small specks of sulphide throughout (<5%)	27-Jul-10	intrusive porphyry	9
	234	593686	5808893	outcrop: fine felsic sugary light brown matrix with small white crystals	27-Jul-10	volcanic flow bx	1
10254	235	595311	5809511	float, large boulder on quad trail: possible high level intrusive with abundant disseminated sulphide (approx 5%), siliceous fine grained matrix	27-Jul-10	intrusive porphyry	9
	236	595457	5809544	float: same as 221d, numerous small rocks in the same area	27-Jul-10	?	7
*photos of rock samples/locations are located in XP/Project 2/Redgold/2010/Redgold West/2010 Rock Sample Photos							

Sample No.	Easting	Northing	Type	Texture	Horizon	Colour	Depth (m)	Additional Notes	Elevation (m)
AP-01	595293	5808877	dry	silt/clay	B	light brown/tan	0.5	fine, difficult to dig, very rocky (ash or rock flour?)	876
AP-02	595263	5808809	very dry	fine sands to clay	B	light brown/tan	0.7	fine, very rocky, difficult to dig (ash or rock flour)	894
AP-03	595240	5808715	very dry	fine sands to clay	B	greyish brown, light	0.8	same as previous, very ash-like	892
AP-04	595218	5808618	very dry	fine sands to clay	B	greyish brown, light	1.0	same as previous, very ash-like	890
AP-05	595200	5808556	very dry	fine sands to clay	B	light brown/tan	1.0	similar to previous but w/deeper O horizon (more organics)	885
AP-06	595186	5808434	moist	silt/clay	B	light/med brown	0.8	abundant organics, moist soil, very dark, different sample	883
AP-07	595171	5808366	very dry	fine sands to silt	B	light brown/tan	0.6	fine, difficult to dig, similar to previous samples	892
AP-08	595136	5808236	dry	clay	B	light brown/tan	0.5	very dense clay, abundant clods	874
AP-09	595006	5808276	very dry	silt/clay	B	light brown/tan	0.6	similar ash-like soil, difficult to dig	885
AP-10	595020	5808381	very dry	silt/clay	B	greyish brown, light	0.5	same ash-like soil, same clods	882
AP-11	595005	5808481	dry	silt/clay	B	greyish brown, light	0.4	same ash-like soil, abundant clay and clods	885
AP-12	594976	5808576	very dry	silt/clay	B	light brown/tan	0.4	similar soil, taken from bank on roadside	883
AP-13	595036	5808664	very dry	fine sands to clay	B	light brown/tan	0.5	similar soil, fine and dry	882
AP-14	595072	5808742	very dry	fine sands to silt	B	greyish brown, light	0.5	very ash-like, poor sample	887
AP-15	595306	5809522	dry	silt/clay	B	light/med brown	0.7	new area, different soil	852
AP-16	595417	5809515	dry	silt/clay	B	light/med brown	0.6	similar to AP-15	853
AP-17	595482	5809568	very dry	silt/clay	B	light brown	0.5	lighter than AP-15 and AP-16, some ash, very dry	861
AP-18	595203	5809533	very dry	clay w/some silt	B	medium brown	1.0	roadside bank, clay w/abundant rocks	851
AP-19	595149	5809476	very dry	clay w/some silt	B	medium brown	1.5	roadside bank, abundant clay, darker soil	855
AP-20	595132	5809326	moist	clay w/some silt	B	medium brown	1.0	roadside bank, similar to previous two, abundant clay	834

\*photos of soil samples/locations are located in XP/Project 2/Redgold/2010/Redgold West/2010 Soil Sample Photos

APPENDIX II

2010 Analytical Results  
- Rock Sample Analyses  
- Soil Sample Analyses

Eco Tech Laboratory Ltd.  
2953 Shuswap Road  
Kamloops, BC  
V2H 1S9 Canada  
Tel + 1 250 573 5700  
Fax + 1 250 573 4557  
Toll Free + 1 877 573 5755  
www.stewartgroupglobal.com



**StewartGroup**  
Geochemical & Assay

## CERTIFICATE OF ASSAY AK 2010- 0680

**Durfeld Geological Management**  
PO Box 4438  
**Williams Lake, BC**  
V2G 2V5

10-Sep-07

*No. of samples received: 25*  
*Sample Type: Rock*  
**Project: Redgold**  
*Submitted by: Rudi Durfeld*

<b>ET #.</b>	<b>Tag #</b>	<b>Au (g/t)</b>	<b>Au (oz/t)</b>
1	10253	<0.03	<0.001
2	10254	<0.03	<0.001
3	10255	<0.03	<0.001
4	10256	<0.03	<0.001
5	10257	<0.03	<0.001
6	10258	<0.03	<0.001

Eco Tech Laboratory Ltd.  
2953 Shuswap Road  
Kamloops, BC  
V2H 1S9 Canada  
Tel + 1 250 573 5700  
Fax + 1 250 573 4557  
Toll Free + 1 877 573 5755  
www.stewartgroupglobal.com




**StewartGroup**  
Geochemical & Assay

**Durfeld Geological Management AK10-0680**

10-Sep-07

ET #.	Tag #	Au (g/t)	Au (oz/t)
<b>QC DATA:</b>			
<b>Repeat:</b>			
1	10253	<0.03	<0.001
10	C328225	0.37	0.011
11	C328226	0.50	0.015
19	C328318	<0.03	<0.001
<b>Resplit:</b>			
1	10253	<0.03	<0.001
<b>Standard:</b>			
OXI67		1.81	0.053

  
**ECO TECH LABORATORY LTD.**  
Norman Monteith  
B.C. Certified Assayer

NM/sa  
XLS/10

10-Sep-07

Stewart Group

ECO TECH LABORATORY LTD.

10041 Dallas Drive

KAMLOOPS, B.C.

V2C 6T4

[www.stewartgroupglobal.com](http://www.stewartgroupglobal.com)

ICP CERTIFICATE OF ANALYSIS AK 2010-0680

Durfield Geological Management

PO Box 4438

Williams Lake, BC

V2G 2V5

Phone: 250-573-5700

Fax : 250-573-4557

No. of samples received: 25

Sample Type: Rock

Project: Redgold

Submitted by: Rudi Durfield

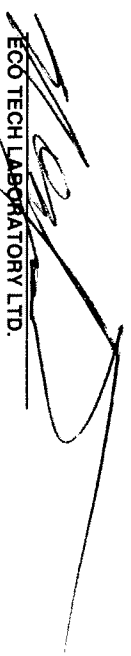
Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al%	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	La	Li	Mg%	Mn	Mo	Na%	Ni	P	Pb	S%	Sb	Sc	Se	Sn	Sr	Ti%	U	V	W	Y	Zn
1	10253	<0.2	3.53	<5	112	<1	<5	2.53	<1	25	38	92	6.52	<5	0.15	8	10	1.39	810	<1	0.33	5	3520	12	<0.01	<5	4	<10	<5	582	0.08	<5	290	<5	9	62
2	10254	<0.2	1.78	15	86	4	<5	2.05	<1	<1	74	4	0.96	<5	0.23	266	16	0.02	630	1	0.78	1	90	51	0.30	<5	<1	<10	<5	884	<0.01	<5	6	<5	4	94
3	10255	0.2	2.40	10	34	<1	<5	1.52	<1	21	42	108	5.88	<5	0.12	8	28	1.15	625	1	0.09	8	2180	15	1.89	<5	3	<10	<5	118	0.12	<5	208	<5	6	52
4	10256	<0.2	2.78	<5	48	<1	<5	2.16	<1	24	92	142	3.73	<5	0.15	4	22	1.71	485	<1	0.05	27	1400	15	0.05	<5	2	<10	<5	74	0.07	<5	126	<5	4	50
5	10257	<0.2	1.43	<5	78	<1	<5	1.64	<1	21	52	46	3.78	<5	0.10	2	4	0.57	230	1	0.15	9	1640	6	0.20	<5	5	<10	<5	116	0.09	<5	138	<5	6	14
6	10258	<0.2	0.82	<5	84	<1	<5	0.39	<1	6	90	28	1.60	<5	0.45	30	16	0.57	375	<1	0.05	4	660	6	0.04	<5	1	<10	<5	88	0.05	<5	34	<5	2	28

El #	Tag #	Ag	Al%	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	La	Li	Mg%	Mn	Mo	Na%	NI	P	Pb	S%	Sb	Sc	Se	Sn	Sr	Ti%	U	V	W	Y	Zn
1	10253	<0.2	3.94	<5	130	<1	<5	2.79	<1	26	58	92	6.74	<5	0.19	8	10	1.47	840	1	0.43	6	3740	15	<0.01	<5	4	<10	<5	616	0.09	<5	318	<5	9	60
<b>Standard:</b>		11.8	0.79	5	60	<1	<5	0.42	57	6	12	1420	1.55	<5	0.08	4	<2	0.65	365	2	0.03	5	440	6249	0.82	20	<1	<10	<5	30	0.02	<5	18	<5	2	>10000

ICP : Aqua Regia Digest / ICP- AES Finish.  
 Ag : Aqua Regia Digest / AA Finish.

NM/SA  
 df/0221S  
 XLS/10



ECO TECH LABORATORY LTD.  
 Norman Monteith  
 B.C. Certified Assayer

Eco Tech Laboratory Ltd.  
 2953 Shuswap Road  
 Kamloops, BC  
 V2H 1S9 Canada  
 Tel + 1 250 573 5700  
 Fax + 1 250 573 4557  
 Toll Free + 1 877 573 5755  
 www.stewartgroupglobal.com



**StewartGroup**  
 Geochemical & Assay

**CERTIFICATE OF ANALYSIS AK 2010- 0679**

**Durfeld Geological Management**  
 PO Box 4438  
**Williams Lake, BC**  
 V2G 2V5

8-Sep-10

*No. of samples received: 20*  
*Sample Type: Soil*  
**Project: Redgold, Eldorado**  
*Submitted by: Rudi Durfeld*

<b>ET #.</b>	<b>Tag #</b>	<b>Au (ppb)</b>
1	AP-01	10
2	AP-02	<5
3	AP-03	5
4	AP-04	<5
5	AP-05	<5
6	AP-06	<5
7	AP-07	<5
8	AP-08	<5
9	AP-09	5
10	AP-10	5
11	AP-11	<5
12	AP-12	5
13	AP-13	10
14	AP-14	15
15	AP-15	<5
16	AP-16	15
17	AP-17	<5
18	AP-18	<5
19	AP-19	5
20	AP-20	<5

**QC DATA:**

**Repeat:**

3	AP-03	<5
10	AP-10	5
20	AP-20	5


**Standard:**

OXE74 620

**FA Geochem/AA Finish**

NM/nw

XLS/10

  
**ECO TECH LABORATORY LTD.**  
 Norman Monteith  
 B.C. Certified Assayer

8-Sep-10

Stewart Group  
ECO TECH LABORATORY LTD.

10041 Dallas Drive  
KAMLOOPS, B.C.

V2C 6T4

[www.stewartgroupglobal.com](http://www.stewartgroupglobal.com)

Phone: 250-573-5700

Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2010- 0679

Durfeld Geological Management

PO Box 4438

Williams Lake, BC

V2G 2V5

No. of samples received: 20

Sample Type: Soil

Project: Redgold, Eldorado

Submitted by: Rudi Durfeld

Values in ppm unless otherwise reported

Et #	Tag #	Ag	Al%	As	Ba	Be	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	Hg	K%	La	Li	Mg%	Mn	Mo	Na%	Ni	P	Pb	S%	Sb	Sc	Se	Sn	Sr	Ti%	U	V	W	Y	Zn
1	AP-01	<0.2	1.59	20	78	<1	<5	0.64	<1	17	46	58	3.04	<5	0.11	12	14	0.82	440	<1	0.02	31	840	9	<0.01	<5	5	<10	<5	40	0.06	<5	74	<5	8	50
2	AP-02	<0.2	0.83	<5	36	<1	<5	0.33	<1	11	30	16	1.79	<5	0.05	6	10	0.43	255	<1	0.01	16	610	6	<0.01	<5	2	<10	<5	24	0.04	<5	50	<5	3	26
3	AP-03	<0.2	0.85	<5	32	<1	<5	0.33	<1	9	26	12	1.50	<5	0.05	8	10	0.39	220	<1	<0.01	14	740	6	<0.01	<5	1	<10	<5	18	0.04	<5	36	<5	3	24
4	AP-04	<0.2	0.91	<5	34	<1	<5	0.33	<1	9	30	16	1.83	<5	0.07	8	14	0.50	225	<1	<0.01	17	610	6	<0.01	<5	2	<10	<5	18	0.04	<5	38	<5	3	32
5	AP-05	<0.2	0.90	<5	36	<1	<5	0.32	<1	9	32	20	1.79	<5	0.05	8	10	0.43	260	<1	0.01	16	460	6	<0.01	<5	2	<10	<5	18	0.04	<5	44	<5	4	30
6	AP-06	<0.2	1.89	5	82	<1	<5	0.87	<1	13	44	44	2.80	<5	0.11	10	10	0.72	355	<1	0.02	26	470	9	<0.01	<5	6	<10	<5	46	0.04	<5	62	<5	11	46
7	AP-07	<0.2	1.53	5	52	<1	<5	0.33	<1	20	36	30	3.24	<5	0.19	6	22	0.93	395	<1	0.01	28	460	9	<0.01	<5	4	<10	<5	26	0.05	<5	74	<5	3	50
8	AP-08	<0.2	1.54	<5	48	<1	<5	0.21	<1	15	36	22	3.09	<5	0.14	6	26	0.78	325	<1	0.01	28	640	9	<0.01	<5	2	<10	<5	16	0.04	<5	46	<5	2	58
9	AP-09	<0.2	2.07	5	62	<1	<5	0.30	<1	26	46	38	3.91	<5	0.21	10	30	1.04	585	<1	0.01	37	310	15	<0.01	<5	4	<10	<5	22	0.06	<5	58	<5	4	68
10	AP-10	<0.2	1.57	10	50	<1	<5	0.35	<1	17	38	40	3.28	<5	0.22	8	22	0.90	410	<1	0.01	29	480	9	<0.01	<5	4	<10	<5	24	0.06	<5	66	<5	4	50
11	AP-11	<0.2	1.37	<5	48	<1	<5	0.22	<1	11	32	10	2.61	<5	0.10	6	24	0.58	205	<1	<0.01	22	680	9	<0.01	<5	1	<10	<5	14	0.03	<5	38	<5	2	64
12	AP-12	<0.2	1.37	5	48	<1	<5	0.49	<1	17	44	44	2.78	<5	0.12	10	14	0.75	475	<1	0.01	27	610	9	<0.01	<5	5	<10	<5	28	0.05	<5	70	<5	6	42
13	AP-13	<0.2	0.83	<5	34	<1	<5	0.32	<1	8	24	12	1.46	<5	0.05	6	10	0.37	225	<1	<0.01	13	500	6	<0.01	<5	1	<10	<5	18	0.03	<5	38	<5	3	32
14	AP-14	<0.2	0.85	<5	30	<1	<5	0.34	<1	8	28	14	1.69	<5	0.05	8	10	0.39	180	<1	<0.01	15	650	6	<0.01	<5	1	<10	<5	20	0.04	<5	40	<5	3	26
15	AP-15	<0.2	1.97	10	88	<1	<5	0.62	<1	22	46	44	3.75	<5	0.18	14	28	0.99	525	<1	0.02	38	330	15	<0.01	<5	3	<10	<5	38	0.05	<5	58	<5	9	66
16	AP-16	<0.2	1.56	10	104	<1	<5	0.63	<1	18	38	36	2.83	<5	0.13	10	18	0.70	495	<1	0.01	29	450	9	<0.01	<5	3	<10	<5	40	0.04	<5	64	<5	7	48
17	AP-17	<0.2	1.58	10	92	<1	<5	0.60	<1	18	40	38	2.80	<5	0.15	12	16	0.67	465	<1	0.01	30	340	9	<0.01	<5	4	<10	<5	36	0.05	<5	60	<5	9	46
18	AP-18	<0.2	1.19	10	64	<1	<5	0.69	<1	16	36	40	2.49	<5	0.10	10	12	0.75	450	<1	0.02	30	830	9	<0.01	<5	3	<10	<5	40	0.04	<5	58	<5	7	42
19	AP-19	<0.2	1.27	10	70	<1	<5	0.70	<1	17	36	44	2.61	<5	0.11	10	14	0.80	500	<1	0.02	32	810	9	<0.01	<5	4	<10	<5	42	0.05	<5	58	<5	7	46
20	AP-20	<0.2	1.22	10	64	<1	<5	0.97	<1	17	30	38	2.32	<5	0.09	8	14	0.79	460	<1	0.02	29	790	9	<0.01	<5	3	<10	<5	136	0.04	<5	48	<5	6	50

QC DATA:

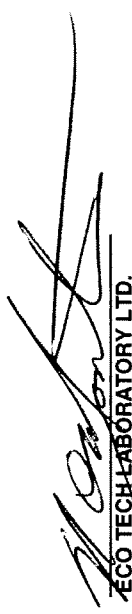
Repeat:

1	AP-01	<0.2	1.61	15	80	<1	<5	0.64	<1	18	46	58	3.02	<5	0.11	12	14	0.82	460	<1	0.02	32	810	12	<0.01	<5	5	<10	<5	40	0.06	<5	72	<5	8	48
10	AP-10	<0.2	1.57	10	50	<1	<5	0.35	<1	17	38	38	3.25	<5	0.22	8	22	0.90	405	<1	0.01	29	480	9	<0.01	<5	4	<10	<5	24	0.05	<5	66	<5	4	50

Standard:

Till-3	1.4	0.99	85	36	<1	<5	0.59	<1	14	58	20	1.90	<5	0.05	10	14	0.58	295	<1	0.02	29	440	18	<0.01	<5	2	<10	<5	12	0.04	<5	36	<5	5	36
--------	-----	------	----	----	----	----	------	----	----	----	----	------	----	------	----	----	------	-----	----	------	----	-----	----	-------	----	---	-----	----	----	------	----	----	----	---	----

ICP: Aqua Regia Digest / ICP- AES Finish.



ECO TECH LABORATORY LTD.  
Norman Monteith  
B.C. Certified Assayer

APPENDIX III ANALYTICAL PROCEDURES (Rock and Soil)



## SAMPLE PREPARATION (codes vary)



Samples (minimum sample size 250g) are catalogued and logged into the sample-tracking database. During the logging in process, samples are checked for spillage and general sample integrity. It is verified that samples match the sample shipment requisition provided by the clients. The samples are transferred into a drying oven and dried.

Soils are prepared by sieving through an 80-mesh screen to obtain a minus 80-mesh fraction. Samples unable to produce adequate minus 80-mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh.

Rock samples are crushed on a Terminator jaw crusher to -10 mesh ensuring that 70% passes through a Tyler 10 mesh screen.

Every 35 samples a re-split is taken using a riffle splitter to be tested to ensure the homogeneity of the crushed material.

A 250 gram sub sample of the crushed material is pulverized on a ring mill pulverizer ensuring that 95% passes through a -150 mesh screen. The sub sample is rolled, homogenized and bagged in a pre-numbered bag.

A barren gravel blank is prepared before each job in the sample prep to be analyzed for trace contamination along with the processed samples.



## GOLD FIRE ASSAY: GEOCHEM (Au2-15,30,50)



A 15/30/50 g sample size is fire assayed along with certified reference materials using appropriate fluxes. The flux used is pre-mixed, purchased from Anachemia which contains Cookson Granular Litharge. (Silver and Gold Free). The ratios are 66% Litharge, 24% Sodium Carbonate, 2.7% Borax, 7.3% Silica. (The charges may be adjusted based on the sample). Flux weight per fusion is 150g. Purified Silver Nitrate or inquarts for the necessary silver addition is used for inquartation. The resultant dore bead is parted and then digested with nitric acid followed by hydrochloric acid solutions and then analyzed on an atomic absorption instrument (Perkin Elmer/Thermo S-Series AA instrument).

Over-range geochem values (Detection limit 5-1000ppb) for rocks are re-analyzed using gold assay methods (see below).

Appropriate certified reference material and repeat/re-split samples (Quality Control Components) accompany the samples on the data sheet for quality control assessment.

Results are collated by computer and are printed along with accompanying quality control data (repeats and standards). Results are emailed, faxed or mailed to the clients.



## ICP-AES AQUA REGIS DIGESTION (AR-ES)



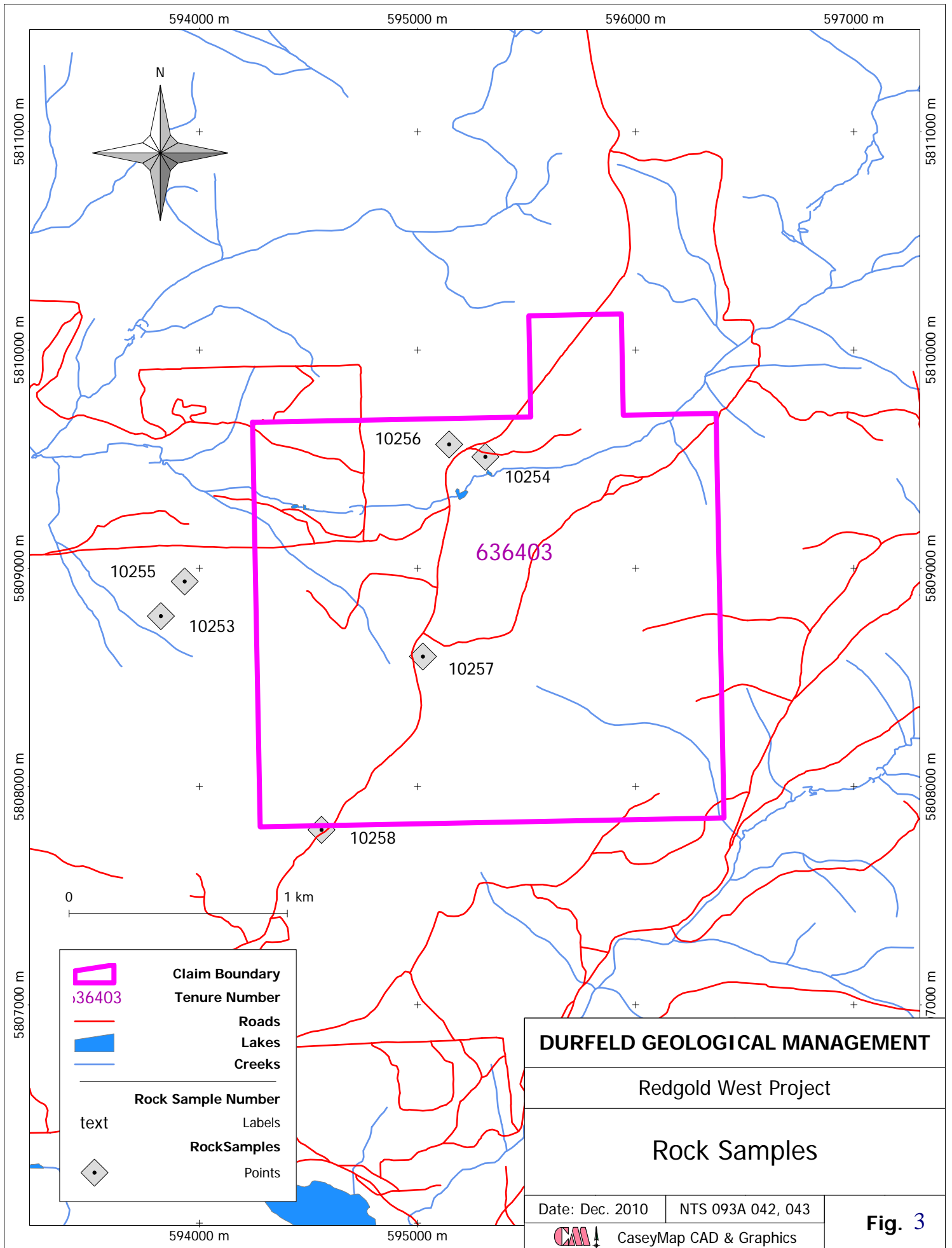
A 0.5 gram sample is digested with a 3:1:2 (HCl: HNO<sub>3</sub>: H<sub>2</sub>O ) solution in a water bath at 95°C. The sample is then diluted to 10ml with water. All solutions used during the digestion process contain beryllium, which acts as an internal standard for the ICP run. The sample is analyzed on a Thermo IRIS Intrepid II XSP ICP unit. Certified reference material is used to check the performance of the machine and to ensure that proper digestion occurred in the wet lab. QC samples are run along with the client samples to ensure no machine drift occurred or instrumentation issues occurred during the run procedure. Repeat samples (every batch of 10 or less) and re-splits (every batch of 35 or less) are also run to ensure proper weighing and digestion occurred.

Results are collated by computer and are printed along with accompanying quality control data (repeats, re-splits, and standards). Any of the base metal elements (Ag, Cu, Pb, Zn) that are over limit (>1.0%) are immediately run as an ore grade assay (see protocol below). Results are emailed, faxed or mailed to the clients.

### Detection Limits:

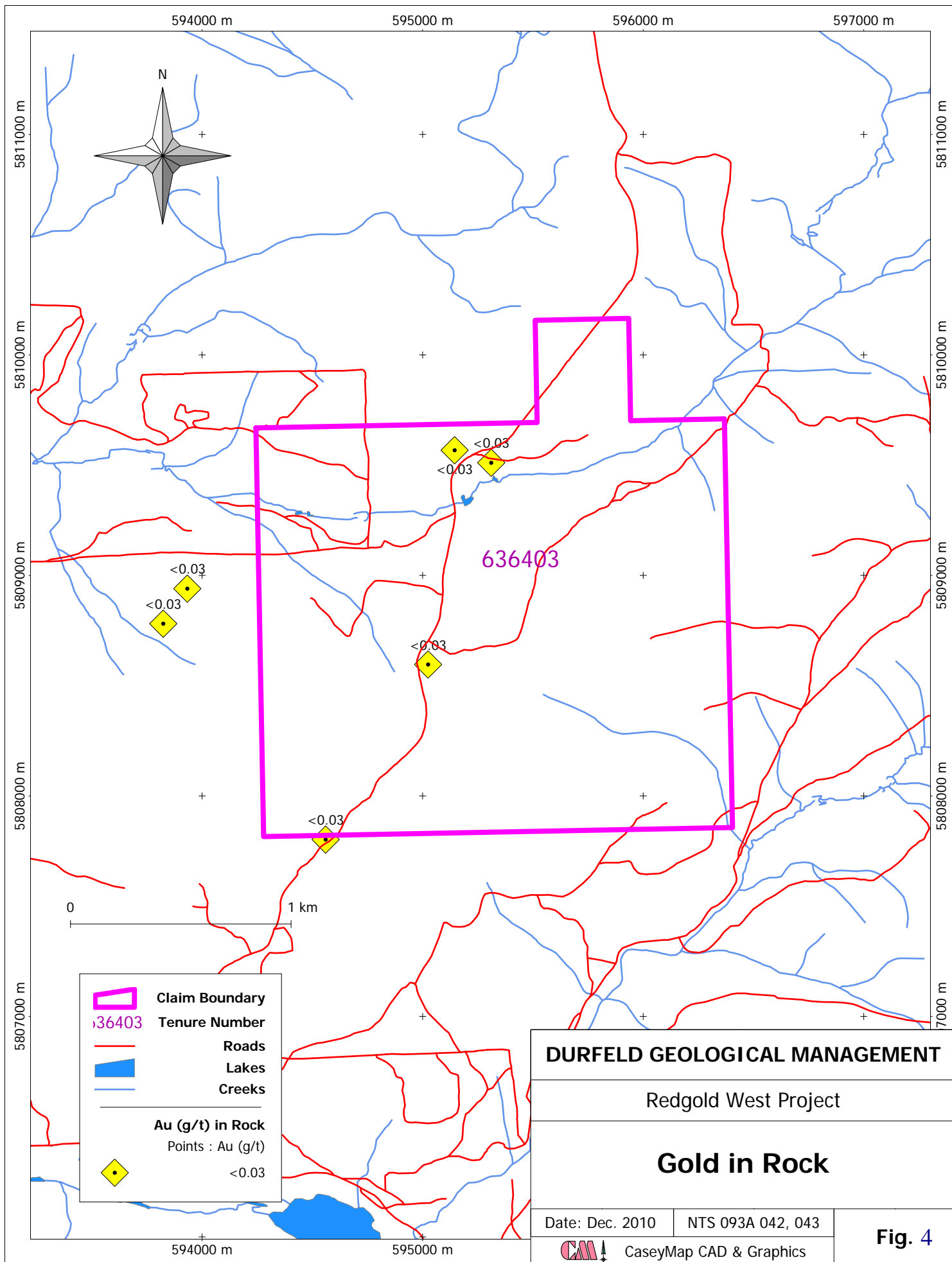
Element	Unit	LDL	Element	Unit	LDL
<b>Ag</b>	Ppm	0.5	<b>Mn</b>	ppm	5
<b>Al *</b>	%	0.01	<b>Mo</b>	ppm	1
<b>As</b>	Ppm	5	<b>Na *</b>	%	0.01
<b>Ba *</b>	Ppm	2	<b>Ni</b>	ppm	1
<b>Be *</b>	Ppm	1	<b>P</b>	%	0.001
<b>Bi</b>	Ppm	5	<b>Pb</b>	ppm	3
<b>Ca *</b>	%	0.01	<b>S *</b>	%	0.01
<b>Cd</b>	Ppm	1	<b>Sb *</b>	ppm	5
<b>Co</b>	Ppm	1	<b>Sn *</b>	ppm	5
<b>Cr *</b>	Ppm	2	<b>Sr *</b>	ppm	2
<b>Cu</b>	Ppm	2	<b>Ti *</b>	ppm	10
<b>Fe *</b>	%	0.01	<b>U</b>	ppm	5
<b>Hg</b>	Ppm	5	<b>V</b>	ppm	2
<b>K *</b>	%	0.01	<b>W *</b>	ppm	5
<b>La *</b>	Ppm	2	<b>Y *</b>	ppm	1
<b>Li *</b>	Ppm	2	<b>Zn</b>	ppm	2
<b>Mg *</b>	%	0.01			

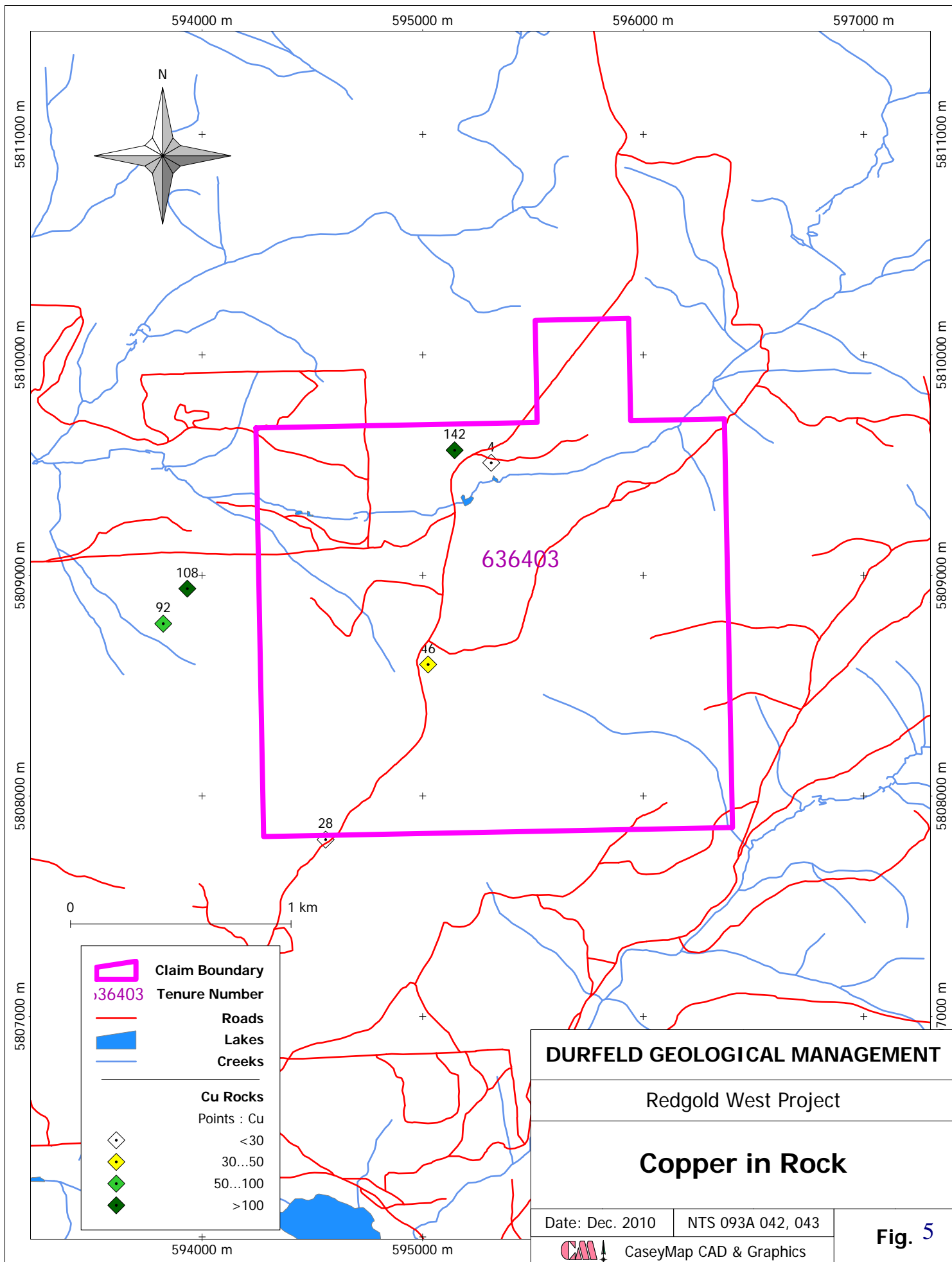
**\*Elements marked with an asterisk\* may not be totally digested**

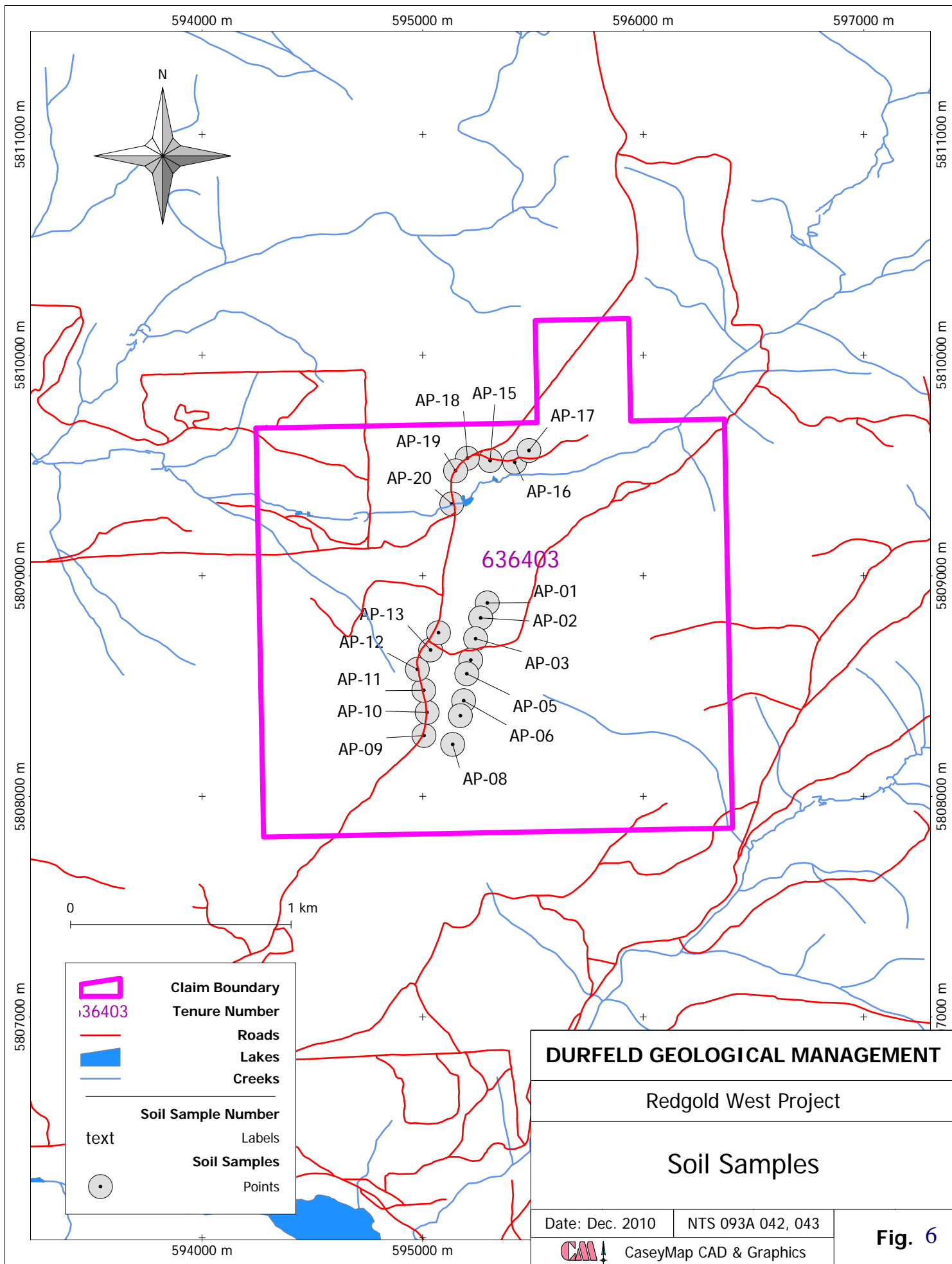


	<b>Claim Boundary</b>
636403	<b>Tenure Number</b>
	<b>Roads</b>
	<b>Lakes</b>
	<b>Creeks</b>
text	<b>Rock Sample Number</b>
	<b>Labels</b>
	<b>RockSamples</b>
	<b>Points</b>

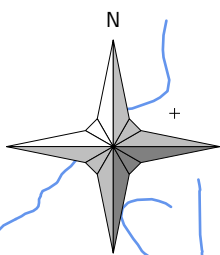
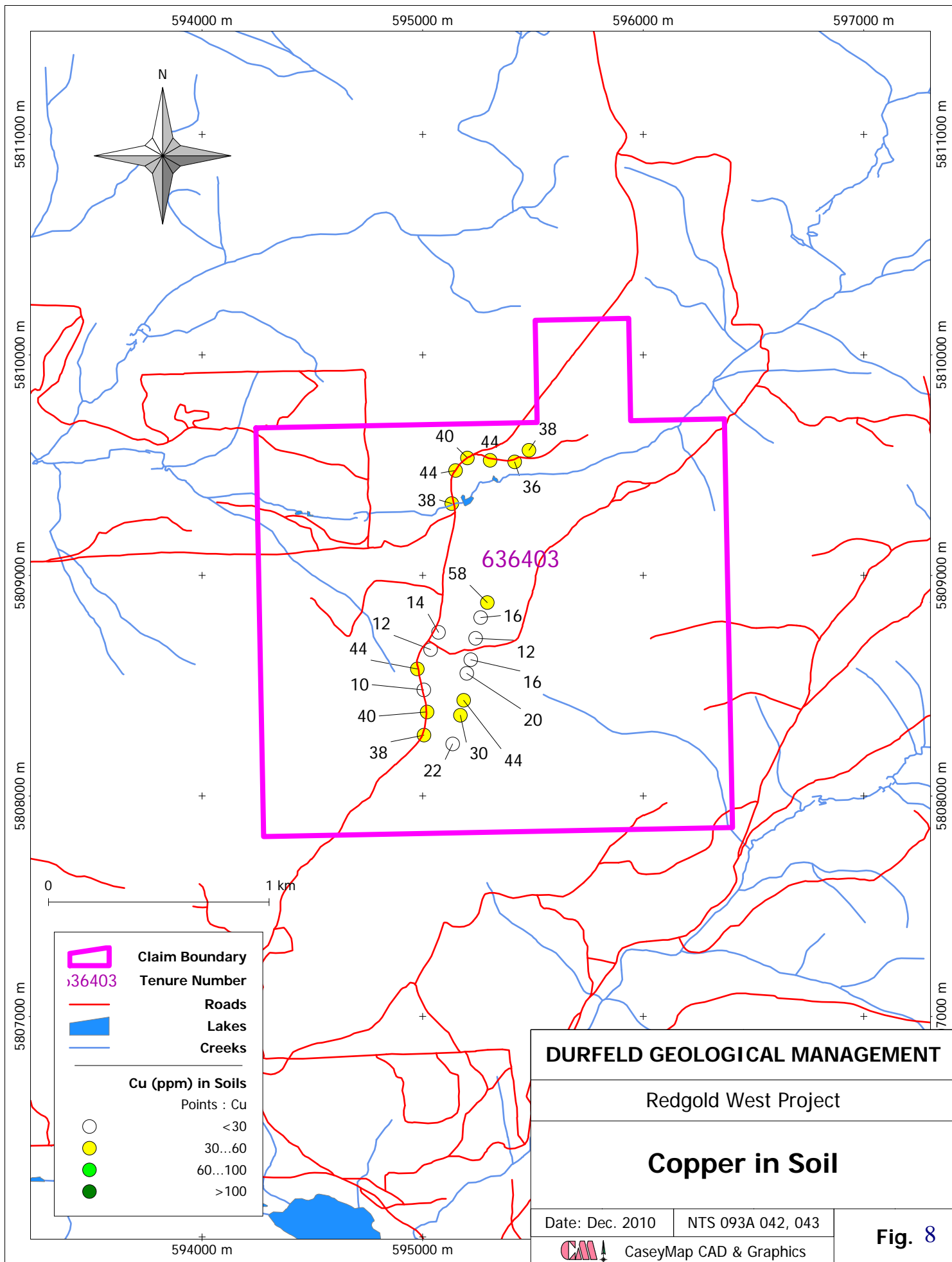
<b>DURFELD GEOLOGICAL MANAGEMENT</b>	
Redgold West Project	
Rock Samples	
Date: Dec. 2010	NTS 093A 042, 043
CaseyMap CAD & Graphics	







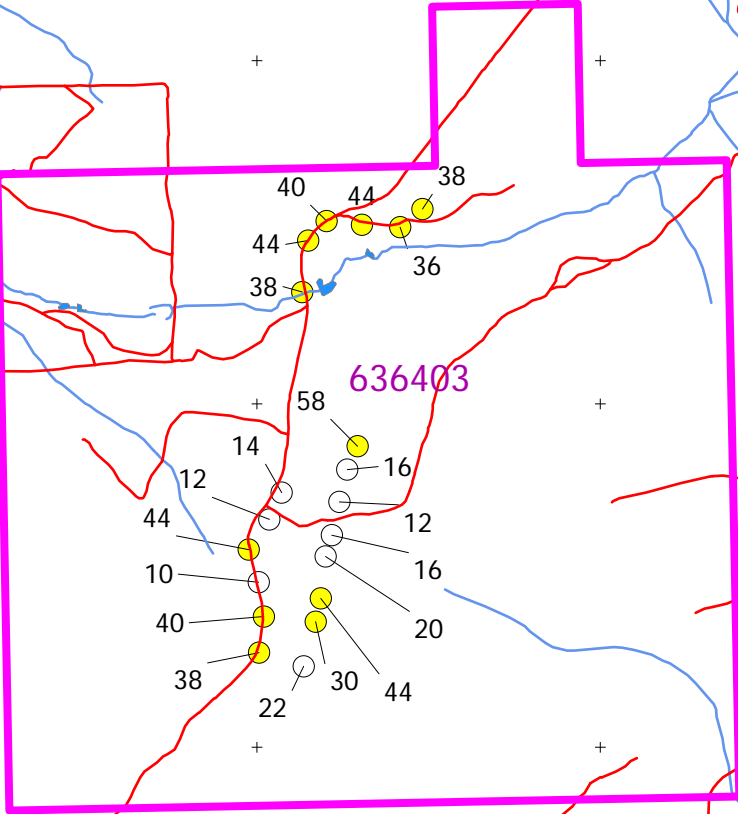




594000 m                      595000 m                      596000 m                      597000 m

5811000 m  
5810000 m  
5809000 m  
5808000 m  
5807000 m

5811000 m  
5810000 m  
5809000 m  
5808000 m  
5807000 m



	<b>Claim Boundary</b>
	<b>Tenure Number</b>
	<b>Roads</b>
	<b>Lakes</b>
	<b>Creeks</b>
<b>Cu (ppm) in Soils</b>	
Points : Cu	
	<30
	30...60
	60...100
	>100

<b>DURFELD GEOLOGICAL MANAGEMENT</b>	
Redgold West Project	
<b>Copper in Soil</b>	
Date: Dec. 2010	NTS 093A 042, 043
CaseyMap CAD & Graphics	

594000 m                      595000 m