

# **Geochemical and Prospecting Report**

**on the**

**Elko Property**

**Comprised of the**

**Cow 1-38 claims (YD 08099-08100, YD08575-08610) and  
Elko 1-67 claims (YD58651-58717)**

NTS 106D/06 and 106D/07  
Mayo Mining District  
Yukon Territory, Canada  
64°18'N Lat., 135°02'W Long.

Work Performed: August 04 to 19, 2010

On behalf of Registered Owners:

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and

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## 2.0 SUMMARY AND INTRODUCTION

A five-day program of silt sampling, prospecting, and soil sampling was completed on the Elko – Cow claim group and environs, located approximately 45 km NNE of Keno City, Yukon. The target is sediment-hosted gold mineralization similar to the newly discovered Rau (Tiger zone) gold deposit of ATAC Resources Ltd. The work was in part supported by a grant under the Yukon Mining Incentive Program.

The purpose of the project was to follow-up stream sediment anomalies from government regional geochemical surveys, and to identify gold or other metallic mineralization similar to the Tiger gold deposit.

The program was successful in identifying Au, As, Sb, and Hg anomalies in silts, soils and rocks in an area underlain by shales, siltstones and calcareous sedimentary rocks. Additional soil sampling and prospecting is recommended.

## 3.0 PROJECT LOCATION AND LAND STATUS

The Elko property (Figure 1) is located approximately 45 km NNE of Keno City in the Mayo Mining Division on NTS map sheet 106D/06 (approximately 64°18'N, 135°02'W).



Figure 1. Location map of Elko property.

The project area includes the Elko claim group, surrounding open ground, and claims staked by a third party since the completion of the field work. At the time of the work, the property comprised the Cow 1-38 and Elko 1-67 quartz claims totaling approximately

2100 Ha. In addition, the Elko 68-177 claims were staked in January 2011 to cover additional prospective ground identified by this project, bringing the total property area to approximately 4350 Ha (Table 1; Figure 2). The claims are held in the name of Michael S. Cathro, Adam R. Travis, Matthias Bindig, Richard Brost, Reid Gaven, and Greg Keitel, in trust for Cathro Resources Corp. (50%) and Cazador Resources Ltd. (50%). The property is not subject to any land restrictions.

**Table 1. List of Claims, Elko Property, Mayo Mining Division, Map 106D06**

GrantNumber	ClaimName	ClaimNbr	ClaimOwner
YD08099	Cow	1	Adam R. Travis - 100%
YD08100	Cow	2	Adam R. Travis - 100%
YD08575	Cow	3	Adam R. Travis - 100%
YD08576	Cow	4	Adam R. Travis - 100%
YD08577	Cow	5	Adam R. Travis - 100%
YD08578	Cow	6	Adam R. Travis - 100%
YD08579	Cow	7	Adam R. Travis - 100%
YD08580	Cow	8	Adam R. Travis - 100%
YD08581	Cow	9	Adam R. Travis - 100%
YD08582	Cow	10	Adam R. Travis - 100%
YD08583	Cow	11	Adam R. Travis - 100%
YD08584	Cow	12	Adam R. Travis - 100%
YD08585	Cow	13	Adam R. Travis - 100%
YD08586	Cow	14	Adam R. Travis - 100%
YD08587	Cow	15	Adam R. Travis - 100%
YD08588	Cow	16	Adam R. Travis - 100%
YD08589	Cow	17	Adam R. Travis - 100%
YD08590	Cow	18	Adam R. Travis - 100%
YD08591	Cow	19	Adam R. Travis - 100%
YD08592	Cow	20	Adam R. Travis - 100%
YD08593	Cow	21	Adam R. Travis - 100%
YD08594	Cow	22	Adam R. Travis - 100%
YD08595	Cow	23	Adam R. Travis - 100%
YD08596	Cow	24	Adam R. Travis - 100%
YD08597	Cow	25	Adam R. Travis - 100%
YD08598	Cow	26	Adam R. Travis - 100%
YD08599	Cow	27	Adam R. Travis - 100%
YD08600	Cow	28	Adam R. Travis - 100%
YD08601	Cow	29	Adam R. Travis - 100%
YD08602	Cow	30	Adam R. Travis - 100%
YD08603	Cow	31	Adam R. Travis - 100%
YD08604	Cow	32	Adam R. Travis - 100%
YD08605	Cow	33	Adam R. Travis - 100%
YD08606	Cow	34	Adam R. Travis - 100%
YD08607	Cow	35	Adam R. Travis - 100%

**Table 1. List of Claims (continued)**

YD08608	Cow	36	Adam R. Travis – 100%
YD08609	Cow	37	Adam R. Travis – 100%
YD08610	Cow	38	Adam R. Travis – 100%
YD58651	Elko	1	Michael S. Cathro – 100%
YD58652	Elko	2	Michael S. Cathro – 100%
YD58653	Elko	3	Michael S. Cathro – 100%
YD58654	Elko	4	Michael S. Cathro – 100%
YD58655	Elko	5	Michael S. Cathro – 100%
YD58656	Elko	6	Michael S. Cathro – 100%
YD58657	Elko	7	Michael S. Cathro – 100%
YD58658	Elko	8	Michael S. Cathro – 100%
YD58659	Elko	9	Michael S. Cathro – 100%
YD58660	Elko	10	Michael S. Cathro – 100%
YD58661	Elko	11	Michael S. Cathro – 100%
YD58662	Elko	12	Michael S. Cathro – 100%
YD58663	Elko	13	Michael S. Cathro – 100%
YD58664	Elko	14	Michael S. Cathro – 100%
YD58665	Elko	15	Michael S. Cathro – 100%
YD58666	Elko	16	Michael S. Cathro – 100%
YD58667	Elko	17	Michael S. Cathro – 100%
YD58668	Elko	18	Michael S. Cathro – 100%
YD58669	Elko	19	Michael S. Cathro – 100%
YD58670	Elko	20	Michael S. Cathro – 100%
YD58671	Elko	21	Michael S. Cathro – 100%
YD58672	Elko	22	Michael S. Cathro – 100%
YD58673	Elko	23	Michael S. Cathro – 100%
YD58674	Elko	24	Michael S. Cathro – 100%
YD58675	Elko	25	Michael S. Cathro – 100%
YD58676	Elko	26	Michael S. Cathro – 100%
YD58677	Elko	27	Michael S. Cathro – 100%
YD58678	Elko	28	Michael S. Cathro – 100%
YD58679	Elko	29	Michael S. Cathro – 100%
YD58680	Elko	30	Michael S. Cathro – 100%
YD58681	Elko	31	Michael S. Cathro – 100%
YD58682	Elko	32	Michael S. Cathro – 100%
YD58683	Elko	33	Michael S. Cathro – 100%
YD58684	Elko	34	Michael S. Cathro – 100%
YD58685	Elko	35	Michael S. Cathro – 100%
YD58686	Elko	36	Michael S. Cathro – 100%
YD58687	Elko	37	Michael S. Cathro – 100%
YD58688	Elko	38	Michael S. Cathro – 100%
YD58689	Elko	39	Michael S. Cathro – 100%
YD58690	Elko	40	Michael S. Cathro – 100%
YD58691	Elko	41	Michael S. Cathro – 100%
YD58692	Elko	42	Michael S. Cathro – 100%
YD58693	Elko	43	Michael S. Cathro – 100%
YD58694	Elko	44	Michael S. Cathro – 100%

**Table 1. List of Claims (continued)**

YD58695	Elko	45	Michael S. Cathro – 100%
YD58696	Elko	46	Michael S. Cathro – 100%
YD58697	Elko	47	Michael S. Cathro – 100%
YD58698	Elko	48	Michael S. Cathro – 100%
YD58699	Elko	49	Michael S. Cathro – 100%
YD58700	Elko	50	Michael S. Cathro – 100%
YD58701	Elko	51	Michael S. Cathro – 100%
YD58702	Elko	52	Michael S. Cathro – 100%
YD58703	Elko	53	Michael S. Cathro – 100%
YD58704	Elko	54	Michael S. Cathro – 100%
YD58705	Elko	55	Michael S. Cathro – 100%
YD58706	Elko	56	Michael S. Cathro – 100%
YD58707	Elko	57	Michael S. Cathro – 100%
YD58708	Elko	58	Michael S. Cathro – 100%
YD58709	Elko	59	Michael S. Cathro – 100%
YD58710	Elko	60	Michael S. Cathro – 100%
YD58711	Elko	61	Michael S. Cathro – 100%
YD58712	Elko	62	Michael S. Cathro – 100%
YD58713	Elko	63	Michael S. Cathro – 100%
YD58714	Elko	64	Michael S. Cathro – 100%
YD58715	Elko	65	Michael S. Cathro – 100%
YD58716	Elko	66	Michael S. Cathro – 100%
YD58717	Elko	67	Michael S. Cathro – 100%
YD110388	Elko	68	Matthias Bindig – 100%
YD110389	Elko	69	Matthias Bindig – 100%
YD110390	Elko	70	Matthias Bindig – 100%
YD110391	Elko	71	Matthias Bindig – 100%
YD110392	Elko	72	Matthias Bindig – 100%
YD110393	Elko	73	Matthias Bindig – 100%
YD110394	Elko	74	Matthias Bindig – 100%
YD110395	Elko	75	Matthias Bindig – 100%
YD110396	Elko	76	Matthias Bindig – 100%
YD110397	Elko	77	Matthias Bindig – 100%
YD110398	Elko	78	Matthias Bindig – 100%
YD110399	Elko	79	Matthias Bindig – 100%
YD110400	Elko	80	Matthias Bindig – 100%
YD110401	Elko	81	Matthias Bindig – 100%
YD110402	Elko	82	Matthias Bindig – 100%
YD110403	Elko	83	Matthias Bindig – 100%
YD110404	Elko	84	Matthias Bindig – 100%
YD110405	Elko	85	Matthias Bindig – 100%
YD110406	Elko	86	Matthias Bindig – 100%
YD110407	Elko	87	Matthias Bindig – 100%
YD110408	Elko	88	Matthias Bindig – 100%
YD110409	Elko	89	Matthias Bindig – 100%
YD110410	Elko	90	Matthias Bindig – 100%
YD110411	Elko	91	Matthias Bindig – 100%

**Table 1. List of Claims (continued)**

YD110412	Elko	92	Matthias Bindig – 100%
YD110413	Elko	93	Matthias Bindig – 100%
YD110414	Elko	94	Matthias Bindig – 100%
YD110415	Elko	95	Matthias Bindig – 100%
YD110416	Elko	96	Matthias Bindig – 100%
YD110417	Elko	97	Matthias Bindig – 100%
YD110418	Elko	98	Matthias Bindig – 100%
YD110419	Elko	99	Matthias Bindig – 100%
YD110420	Elko	100	Matthias Bindig – 100%
YD110421	Elko	101	Matthias Bindig – 100%
YD110422	Elko	102	Matthias Bindig – 100%
YD110423	Elko	103	Matthias Bindig – 100%
YD110424	Elko	104	Matthias Bindig – 100%
YD110425	Elko	105	Matthias Bindig – 100%
YD110426	Elko	106	Matthias Bindig – 100%
YD110427	Elko	107	Matthias Bindig – 100%
YD110428	Elko	108	Matthias Bindig – 100%
YD110429	Elko	109	Matthias Bindig – 100%
YD110430	Elko	110	Matthias Bindig – 100%
YD110431	Elko	111	Matthias Bindig – 100%
YD110432	Elko	112	Matthias Bindig – 100%
YD110433	Elko	113	Matthias Bindig – 100%
YD110434	Elko	114	Matthias Bindig – 100%
YD110435	Elko	115	Matthias Bindig – 100%
YD110436	Elko	116	Matthias Bindig – 100%
YD110437	Elko	117	Matthias Bindig – 100%
YD110438	Elko	118	Matthias Bindig – 100%
YD110439	Elko	119	Matthias Bindig – 100%
YD110440	Elko	120	Matthias Bindig – 100%
YD110441	Elko	121	Matthias Bindig – 100%
YD110442	Elko	122	Matthias Bindig – 100%
YD110443	Elko	123	Richard Brost – 100%
YD110444	Elko	124	Richard Brost – 100%
YD110445	Elko	125	Richard Brost – 100%
YD110446	Elko	126	Richard Brost – 100%
YD110447	Elko	127	Richard Brost – 100%
YD110448	Elko	128	Richard Brost – 100%
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YD110450	Elko	130	Richard Brost – 100%
YD110451	Elko	131	Richard Brost – 100%
YD110452	Elko	132	Richard Brost – 100%
YD110453	Elko	133	Richard Brost – 100%
YD110454	Elko	134	Richard Brost – 100%
YD110455	Elko	135	Richard Brost – 100%
YD110456	Elko	136	Richard Brost – 100%
YD110457	Elko	137	Richard Brost – 100%
YD110458	Elko	138	Richard Brost – 100%

**Table 1. List of Claims (continued)**

YD110459	Elko	139	Reid Gaven - 100%
YD110460	Elko	140	Reid Gaven - 100%
YD110461	Elko	141	Reid Gaven - 100%
YD110462	Elko	142	Reid Gaven - 100%
YD110463	Elko	143	Reid Gaven - 100%
YD110464	Elko	144	Reid Gaven - 100%
YD110465	Elko	145	Reid Gaven - 100%
YD110466	Elko	146	Reid Gaven - 100%
YD110467	Elko	147	Reid Gaven - 100%
YD110468	Elko	148	Reid Gaven - 100%
YD110469	Elko	149	Reid Gaven - 100%
YD110470	Elko	150	Reid Gaven - 100%
YD110471	Elko	151	Reid Gaven - 100%
YD110472	Elko	152	Reid Gaven - 100%
YD110473	Elko	153	Reid Gaven - 100%
YD110474	Elko	154	Reid Gaven - 100%
YD110475	Elko	155	Greg Keitel - 100%
YD110476	Elko	156	Greg Keitel - 100%
YD110477	Elko	157	Greg Keitel - 100%
YD110478	Elko	158	Greg Keitel - 100%
YD110479	Elko	159	Greg Keitel - 100%
YD110480	Elko	160	Greg Keitel - 100%
YD110481	Elko	161	Greg Keitel - 100%
YD110482	Elko	162	Greg Keitel - 100%
YD110483	Elko	163	Greg Keitel - 100%
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YD110485	Elko	165	Greg Keitel - 100%
YD110486	Elko	166	Greg Keitel - 100%
YD110487	Elko	167	Greg Keitel - 100%
YD110488	Elko	168	Greg Keitel - 100%
YD110489	Elko	169	Greg Keitel - 100%
YD110490	Elko	170	Reid Gaven - 100%
YD110491	Elko	171	Reid Gaven - 100%
YD110492	Elko	172	Reid Gaven - 100%
YD110493	Elko	173	Reid Gaven - 100%
YD110494	Elko	174	Richard Brost - 100%
YD110495	Elko	175	Reid Gaven - 100%
YD110496	Elko	176	Richard Brost - 100%
YD110497	Elko	177	Richard Brost - 100%



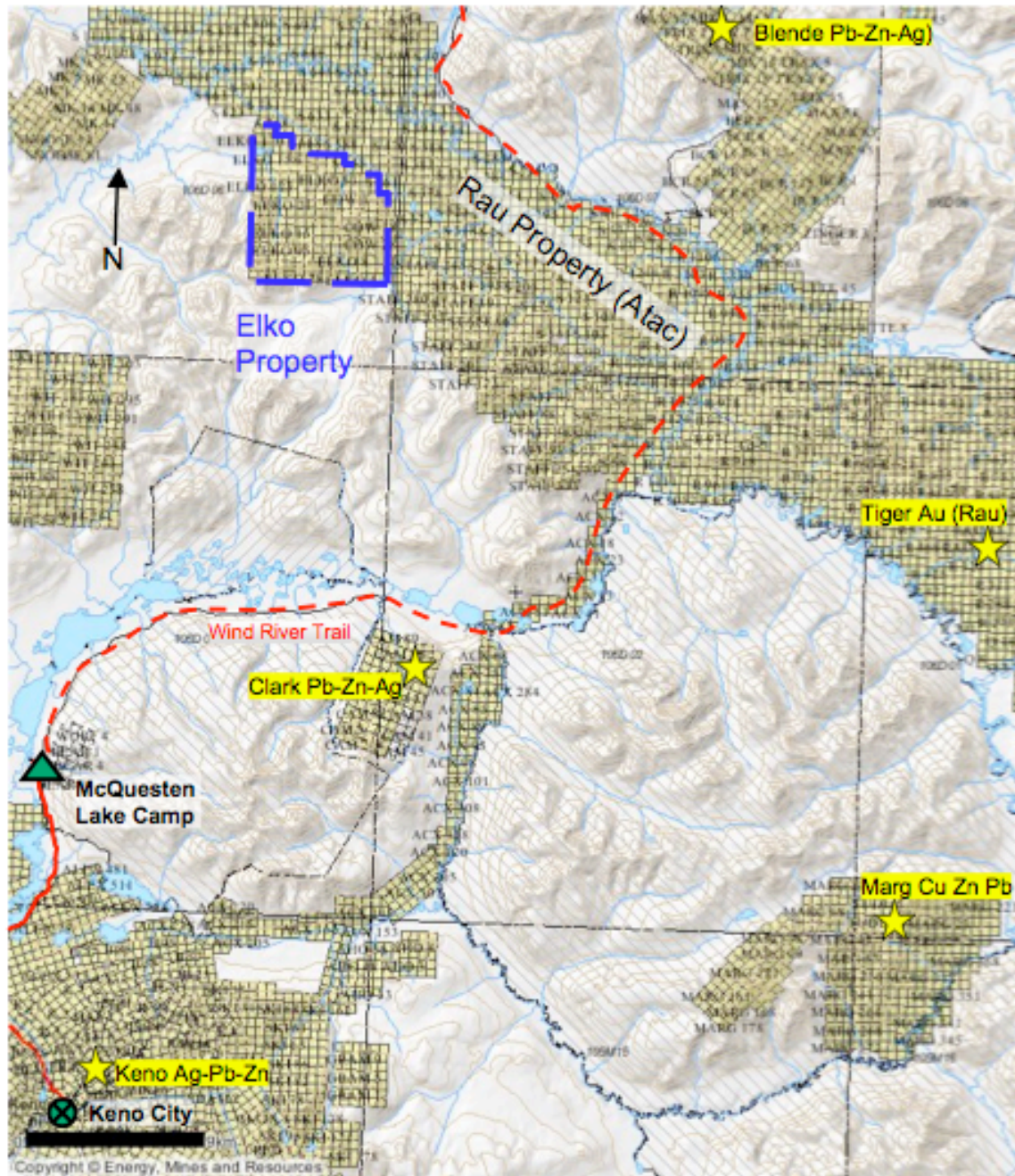


Figure 2. Regional property map showing location of key deposits, roads, Keno City and McQuesten Lake camp.

#### 4.0 ACCESS

The Elko project is accessible by helicopter from Mayo (90 km) or Keno City (45 km). The work program described in this report was accessed by helicopter from a road accessible base camp at McQuesten Lake, approximately 28 km southwest of the property (Figure 2). The Wind River Trail, a winter road, begins at McQuesten Lake and passes within 6 km of the north side of the Elko property (Figure 2).

## 5.0 PREVIOUS WORK

A careful review of government records including assessment reports identified no known mineral occurrences, nor any record of previous exploration in the area of the Elko property.

The available government regional stream silt geochemistry shows that one drainage is strongly anomalous for gold (80 ppb; sample 106D775380) and several other adjacent drainages are moderately to highly anomalous in gold, arsenic, antimony, molybdenum and tungsten (Figure 3). This pathfinder assemblage is similar to that at Rau.

## 6.0 REGIONAL GEOLOGY AND MINERAL DEPOSITS

The Property is underlain by Upper Proterozoic/Paleozoic rocks of ancestral North America (PCH; Hyland Group) and is located directly south of, adjacent to and in the hangingwall of the regionally important Dawson Thrust (Figure 3). Mississippian aged rocks just to the east of the claims (MK; Keno Hill Quartzite) and Upper Cambrian-Lower Devonian rocks are immediately north of the claims on the Rau Property (CDB1; Bouvette Formation).

Figure 4 shows the regional geological mapping by the Geological Survey of Canada (L. Green and J.A. Roddick, GSC Map 15-1962). The Cow area is shown as being underlain primarily by Paleozoic unit 3.

Unit 3 (now known as the Hyland Group) is described as Precambrian and/or Cambrian buff, brown and rusty weathering gritty quartzite, sandstone and quartz pebble conglomerate; black, maroon and green shales and slates, schistose quartzite, quartz chlorite schist, quartz mica schist, and phyllite with minor limestone and black chert. In some places thin to medium-bedded limestone can be mapped. It is important to note that Hyland Group is an important host to gold mineralization at Brewery Creek and elsewhere in the region.

The emerging Rau belt falls along the thrust-faulted margin of the Selwyn Basin and Mackenzie platform. Mainly underlain by Paleozoic carbonate and siliciclastic rocks, this area has been explored in the past for Keno-Hill type Ag-Pb-Zn veins and stratabound Pb-Zn-Ag replacement and Mississippi Valley type mineralization, although gold exploration has been minimal.

According to information released by ATAC, the Tiger Zone mineralization at Rau consists of stratabound lenses replacing dolomitized and decalcified limestone of the Upper Cambrian to Lower Devonian Bouvette Formation. Gold mineralization has been outlined over a 650 m long, 150 m wide area and averages about 40 m thick. Mineralization occurs beneath a volcanoclastic horizon, which may have acted as an impermeable cap. The Rau trend mineralization is closely associated with a northwest-trending zone of structural disruption coincident with the hinge zone of a regional

anticlinal fold closure occurring between the regional scale Dawson and Robert Service Thrusts.

Both high-grade oxide (limonite) and low to moderate-grade sulphide (pyrite-arsenopyrite-pyrrhotite) zones are hosted in fractured, brecciated and altered carbonate rocks of the Bouvette Formation (Unit CDB1). Highlighted drill intersections include 24.08 m grading 24.07 g/t Au and 24.47 m grading 19.59 g/t Au in oxide, and 70.8 m grading 5.11 g/t Au and 78.54 m grading 1.71 g/t Au (sulphide). The Tiger zone is reported to have been discovered by following up an anomalous government stream sediment sample (150 ppb Au, 6.8 ppm As, 44 ppb Pb, 19 ppb W). Mineralization has been described as “Nevada-Style” and similarities with sediment-hosted (Carlin-type) and Ketza River, Yukon deposits have been noted. A genetic association with a nearby Late Cretaceous(?) dyke swarm has also been inferred.

The Rau belt occurs north of the important Tombstone gold belt, which includes the important Fairbanks, Fort Knox, and Pogo intrusion-related gold deposits in Alaska, and the Brewery Creek, Clear Creek, and Eagle Gold (Dublin Gulch) deposits in Yukon. The Eagle Gold deposit, owned by Victoria Gold Corp. is located west southwest of the Elko property area and has an Indicated Resource of 2.7 million ounces of gold (98.6 million tonnes grading 0.85 g/t).

The prolific and high-grade Keno Hill silver-lead-zinc mining camp (Alexco Resources Corp.) is located approximately 45 kilometres south of Elko. Between 1913 and 1990 this district is reported to have produced more than 217 million ounces of silver at an average grade of 40.5 oz/ton, along with significant quantities lead and zinc. Other important deposits in the immediate area include the carbonate-hosted Blende deposit of Blind Creek Resources, located 25 km northeast of Elko, with an inferred resource of 19.6 mt grading 3.04% Zn, 2.8% Pb and 55.9 g/t Ag.

## 7.0 REGIONAL GEOPHYSICS

The regional government total field aeromagnetic map (Figure 5) shows subtle aeromagnetic highs to the NW and SE of the Property, suggestive of possible un-mapped or buried intrusive bodies which are indicative of Tombstone-style gold deposits, and which may also be important at Rau.

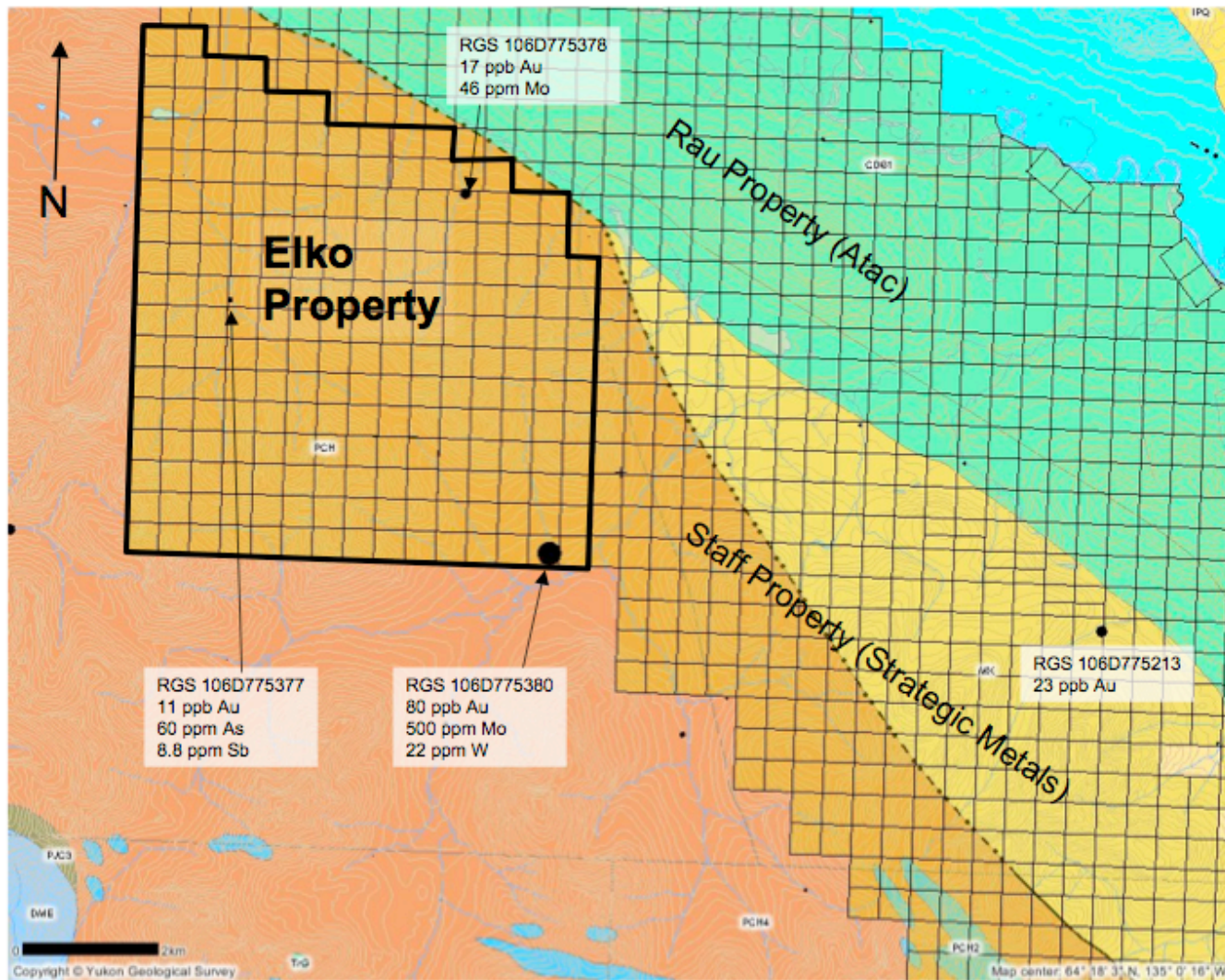


Figure 3. Regional geology map of Elko project area showing current Elko and Cow claims and anomalous Regional Geochemical Survey sample sites (after YGS Mapmaker website).

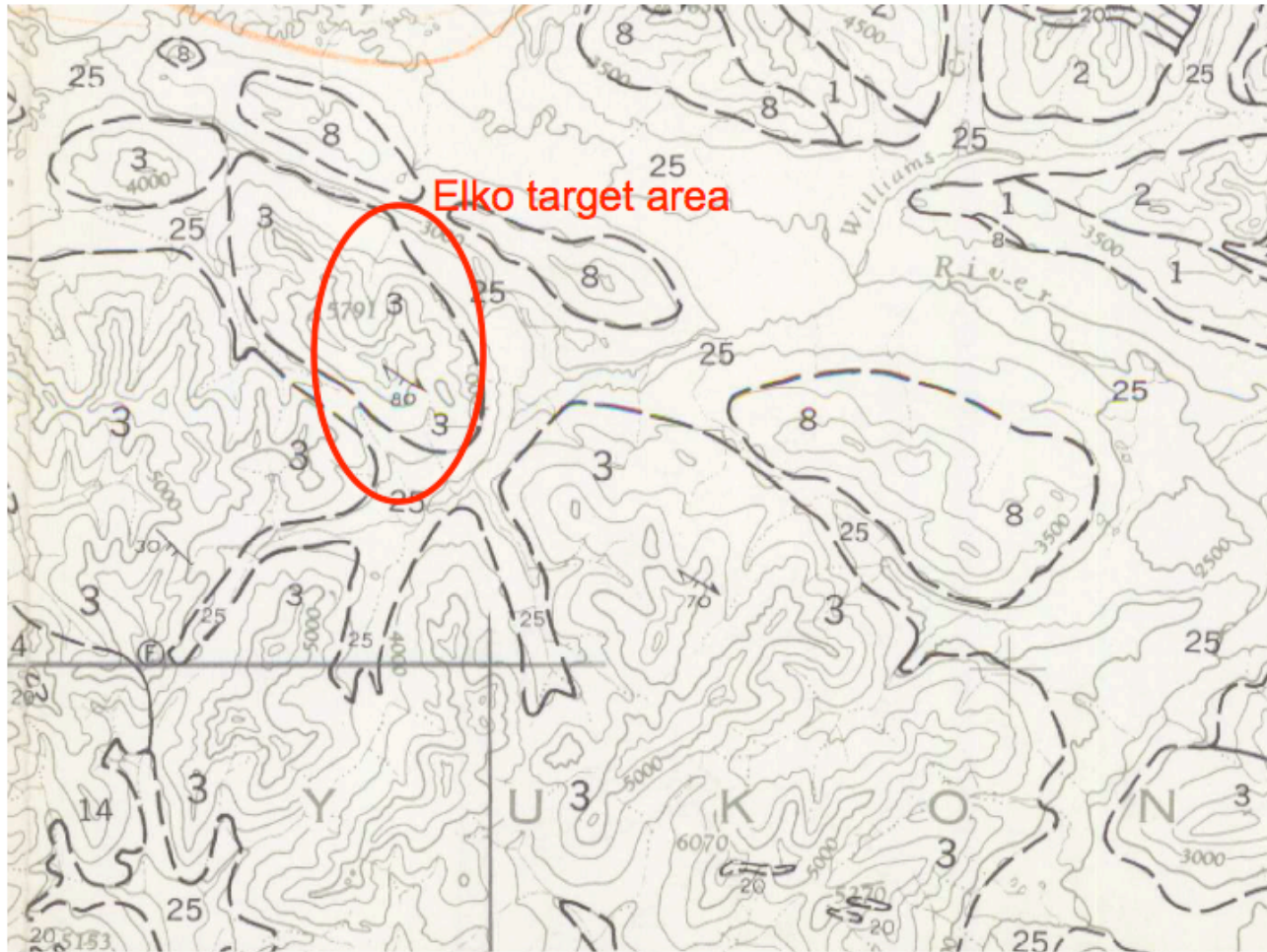


Figure 4. Regional geology of the Elko target area, after Green and Roddick, 1962 (GSC Map 15-1962).

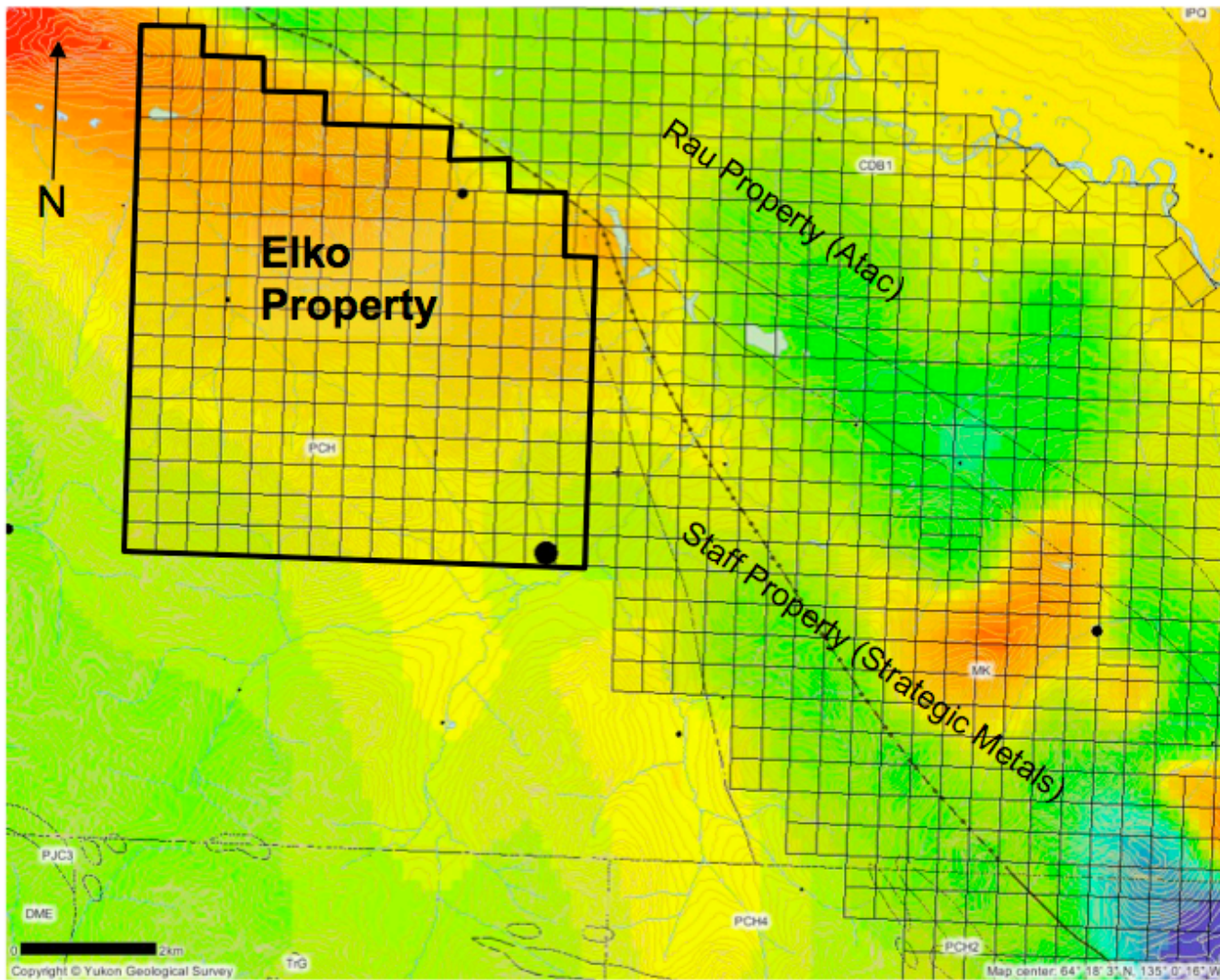


Figure 5. Regional total field aeromagnetics of the Elko property area.

## 8.0 2010 WORK PROGRAM

The work program was completed between August 4 and 19, 2010 by a team of two geologists and a prospector (Mike Cathro, Adam Travis and Don Coolidge), in conjunction with work on other nearby properties. The crew was based at a camp near MacQuesten Lake (Figure 2) and were flown to the site by Bell 206B or 206L chartered from Fireweed Helicopters in Mayo. Safety and communication in the field was assured through two-way radios and a satellite phone.

In addition, staking of additional claims was completed by contractor Coureur des Bois on May 5, 2010 (Elko 1-67) and January 26, 2011 (Elko 68-177 claims).

Prospecting and sampling traverses were conducted primarily in creek drainages and on ridges and spurs. Float and outcrop were carefully prospected for sulphides, veining, structural disruption, alteration and other signs of mineralization.

A total of 60 stream sediment samples were collected on 250 to 500 m intervals on main creeks and on minor tributaries. A total of 31 rock samples were collected primarily of float, subcrop and talus. A total of 52 soil samples were collected by pick or trowel at a depth of 10 to 30 centimetres from the B- or C-horizon.

All samples were air-dried in the field camp and then delivered to the Whitehorse preparation facility of Stewart Group (Eco Tech Laboratory Ltd.) at the end of the program. The Whitehorse facility conducted drying, screening, and pulverizing prior to analysis at the Stewart Group lab in Kamloops, BC.

Stream sediments were sieved to minus 80 mesh and then pulverized. Rocks were crushed to minus 10 mesh and pulverized to 200 mesh. Both rock and stream sediment samples were then subjected to multi-element ICP-MS analysis following aqua regia digestion of a 0.5 gram split, and a 30-gram fire-assay for Au with an AA finish.

Soil samples were dried, sieved to minus 80 mesh and then subjected to multi-element ICP-MS analysis following aqua regia digestion of a 0.5 gram split. A 10-gram split of soil was also digested by aqua regia and analyzed by ICP-MS for Au.

Sample descriptions, geological observations and other field data were collected in field notebooks, field maps and on hand-held GPS units. Field data and sample descriptions were later transferred into excel tables and are presented in Appendix 1. Analytical certificates for all samples are included in Appendix 2.

## 9.0 RESULTS AND INTERPRETATION

Locations of all silt, rock and soil samples are included as Figures 6, 7 and 8. Results for all media (rocks, silt, soil) are shown as graduated symbol plots on Figures 9-12 for Au, As, Sb and Hg respectively. It should be noted that these maps were prepared prior to the most recent staking of the Elko 68-177 and Staff claims, and therefore the claim boundaries are out of date. (Current claim boundaries are shown on Figures 2, 3 and 5). In addition, detailed maps showing rocks, silts and soil sampling results for Au, As, Sb and Hg are included as Figures 13-16.

### Stream Sediment Sampling Results

Silt sampling was generally not successful in duplicating the strong Au, Mo and W anomalies from the historic government RGS samples. Au values in silts were generally near detection with the exception of sample ELM-010 in the east, which returned 55 ppb Au (now covered by the Staff claims of Strategic Metals), and sample ELD-005 in the southwest, which returned 15 ppb Au (now covered by Elko claims). Nevertheless, the current program indicates that several drainages in the project area are moderately to weakly anomalous in Au (to 55 ppb), and moderately to strongly anomalous in As (to 163.6 ppm), and Sb (to 39.36 ppm). In particular, the selected samples are of interest and should be followed up. These are listed in Table 2, below:

**Table 2. Selected Anomalous Silt Samples.**

<b>Sample #</b>	<b>Au (ppb)</b>	<b>As (ppm)</b>	<b>Sb (ppm)</b>	<b>Area</b>
ELA-002	5	<b>163.6</b>	<b>10.38</b>	West
ELM-004	10	<b>152.0</b>	<b>15.04</b>	West
ELD-016	5	<b>147.3</b>	<b>39.36</b>	South
ELA-001	5	<b>119.4</b>	<b>9.58</b>	West
ELM-010	<b>55</b>	19.3	3.08	East (now covered by Staff claims, held by Strategic Metals)
ELD-005	<b>15</b>	48.3	<b>11.48</b>	Southwest
ELD-002	10	43.8	<b>12.7</b>	West

### Prospecting Results

In terms of prospecting and rock sampling, perhaps the most interesting result is sample ERM-015 which was collected from an outcropping band of orange-weathering, sandy, calcareous breccia (or calcareous sandstone?) on a northeast trending spur. It returned 160.8 ppm As and 10 ppb Au from a 15 m random chip (Figures 10 and 14). This unit strikes NW-SE towards a north-trending spur where several soil samples are anomalous in Au, As, and Sb (see below). Elsewhere, numerous samples of quartz float with traces of pyrite and/or iron oxide were collected, and several returned weakly to moderately anomalous results for As, Sb, Cu, Zn, Mo and Hg or other pathfinder elements. A small amount of galena was identified in a narrow, subcropping quartz-calcite vein (sample ERM-004; Figure 7).



**Table 3. Selected Anomalous Prospecting Samples.**

<b>Sample #</b>	<b>Type</b>	<b>Description</b>	<b>Geochem values of interest</b>
ERM-004	Subcrop grab	5 cm qtz-cal vein with galena	<b>6559 ppm Pb, 6 ppm Ag</b>
ERM-015	Outcrop, random chip over 15 m	Orange-weathering sandy, calcareous breccia (?); trace pyrite; quartz & iron oxide alteration; band is subvertical and strikes 140	<b>160.8 ppm As</b> , 10 ppb Au, 10% Ca
ERA-003	Float, grab	White quartz vein with pyrite; limonite stained and silver-grey sulphides?	120.6 ppm As
ERA-007	Float, grab	White quartz vein; pyrite	73.74 ppm Sb, 344.4 ppm Zn, <5 ppb Au
ERM-002	Float, grab	Yellow-orange stained quartz vein, trace pyrite and iron oxide	71.8 ppm As, 43.9 ppm Sb, 221 ppm Zn, < 5 ppb Au
ERA-008	Subcrop	White quartz vein with pyrite hosted by shale	15 ppb Au, 821.3 ppm Cu, 545 ppb Hg, 18.26 ppm Mo, 403.9 ppm Zn

### **Soil Sampling Results**

Soils were only collected near the centre of the property (Figures 8 and 13-16) and these showed the most interesting results for Au and pathfinder elements. In particular, soils collected on a north-trending spur returned numerous anomalous results including up to 156.2 ppb Au, 57.3 to 1609 ppm As, 9.8 to 54.72 ppm Sb, and 675 to 1585 ppb Hg. As mentioned above, these anomalous values are along trend to the northwest from an outcrop of sandy, limestone breccia, which returned 160.8 from rock sample ERM-015. Two soil samples taken in the area of the sandy limestone breccia also returned anomalous values in arsenic (120.8 and 91.5 ppm) and Sb (13.36 ppm). Additional grid soil sampling in the area of these ridges is warranted.

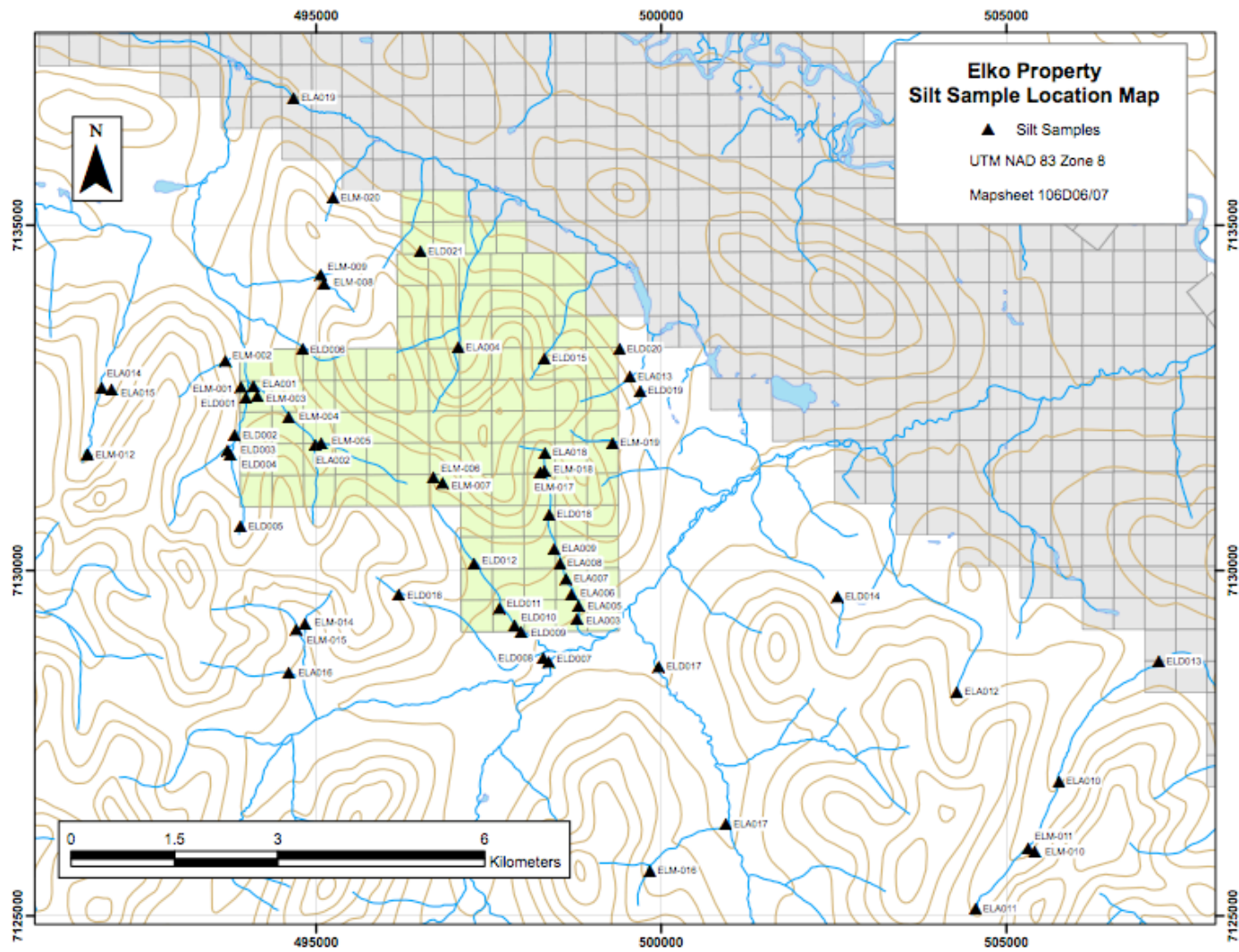


Figure 6. Silt Sample Location Map (with original Cow and Elko claims in green).



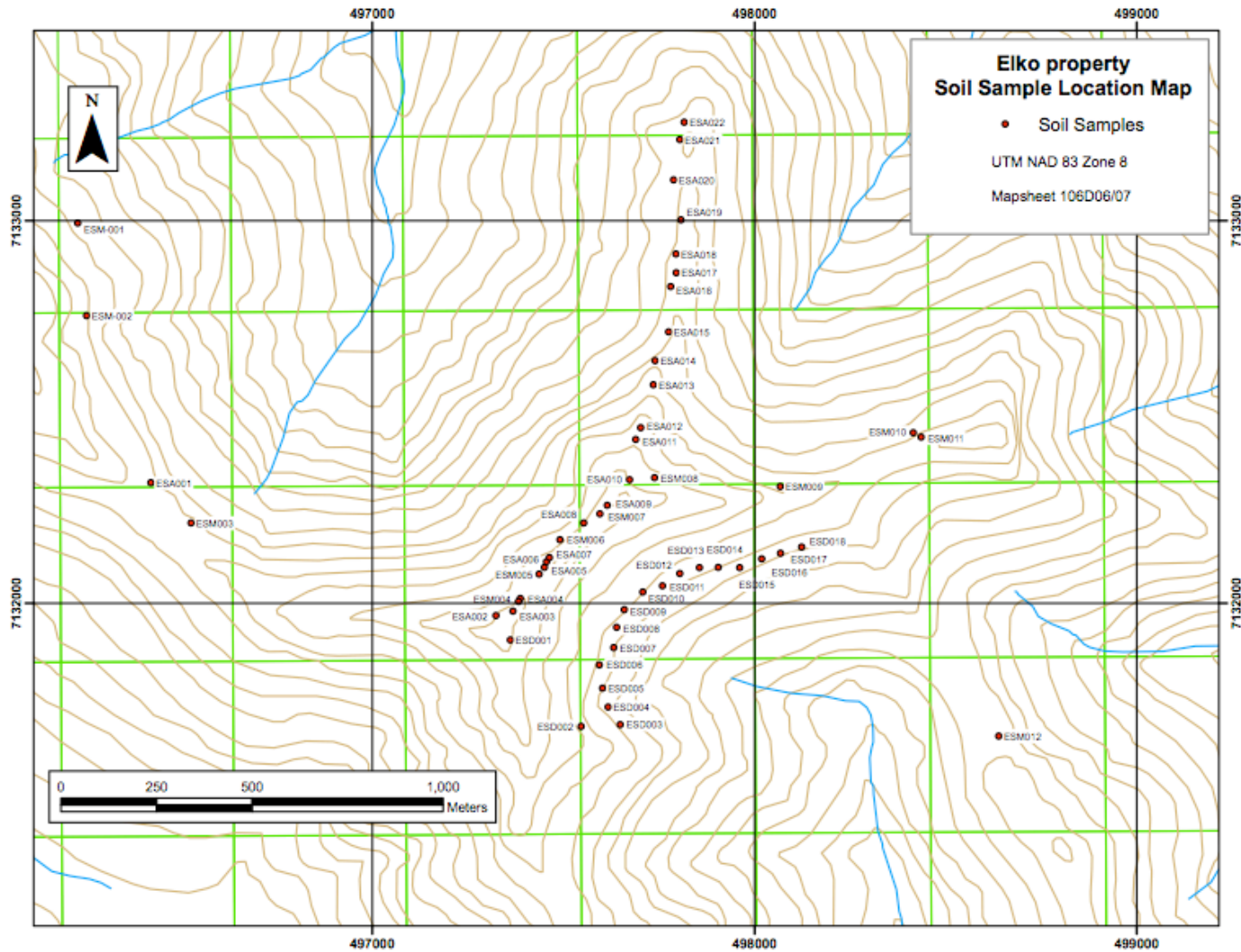


Figure 8. Detailed Soil Sample Location Map (with original Cow and Elko claims in green).

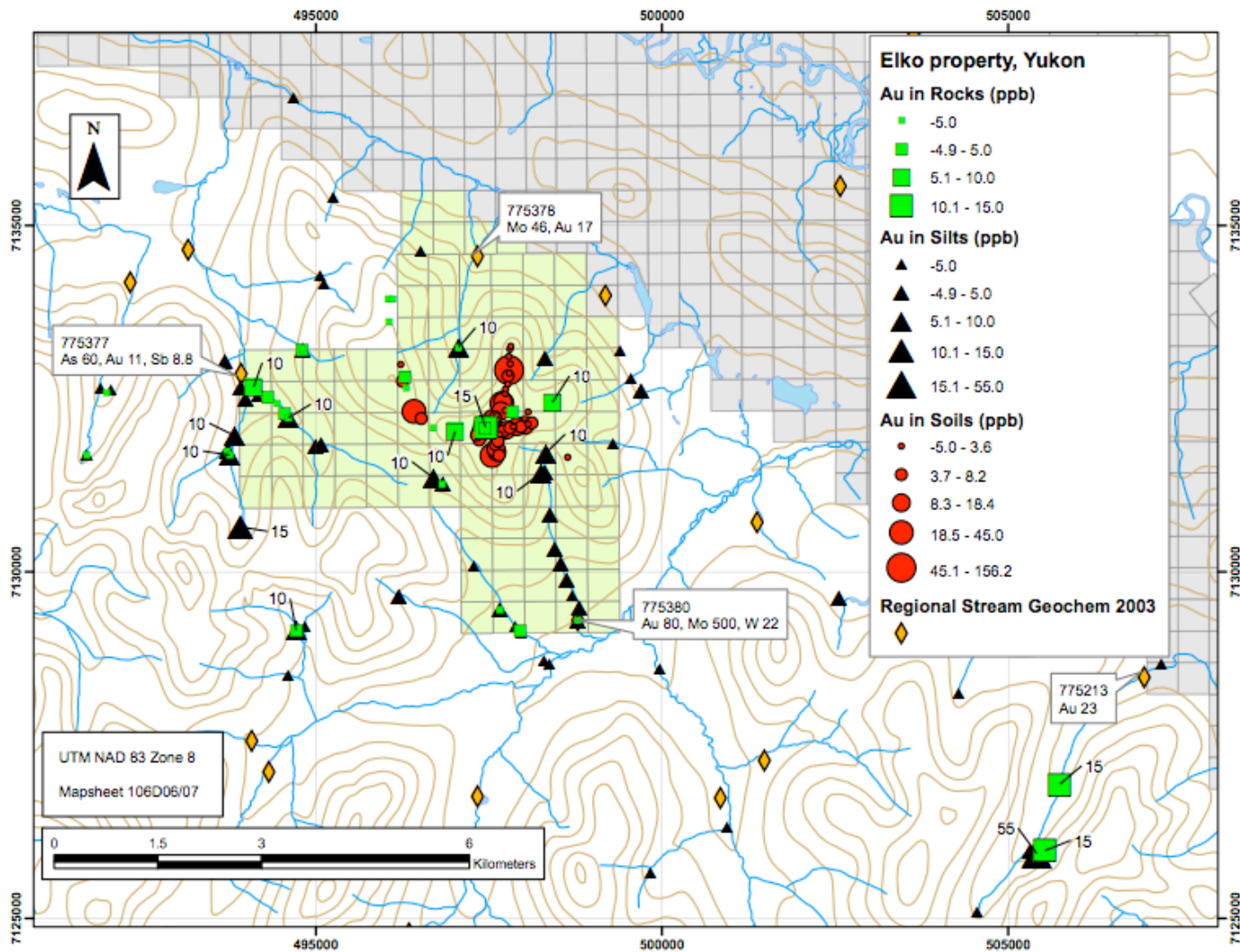


Figure 9. Gold in rock, silt and soil samples, Elko area (with original Cow and Elko claims in green).

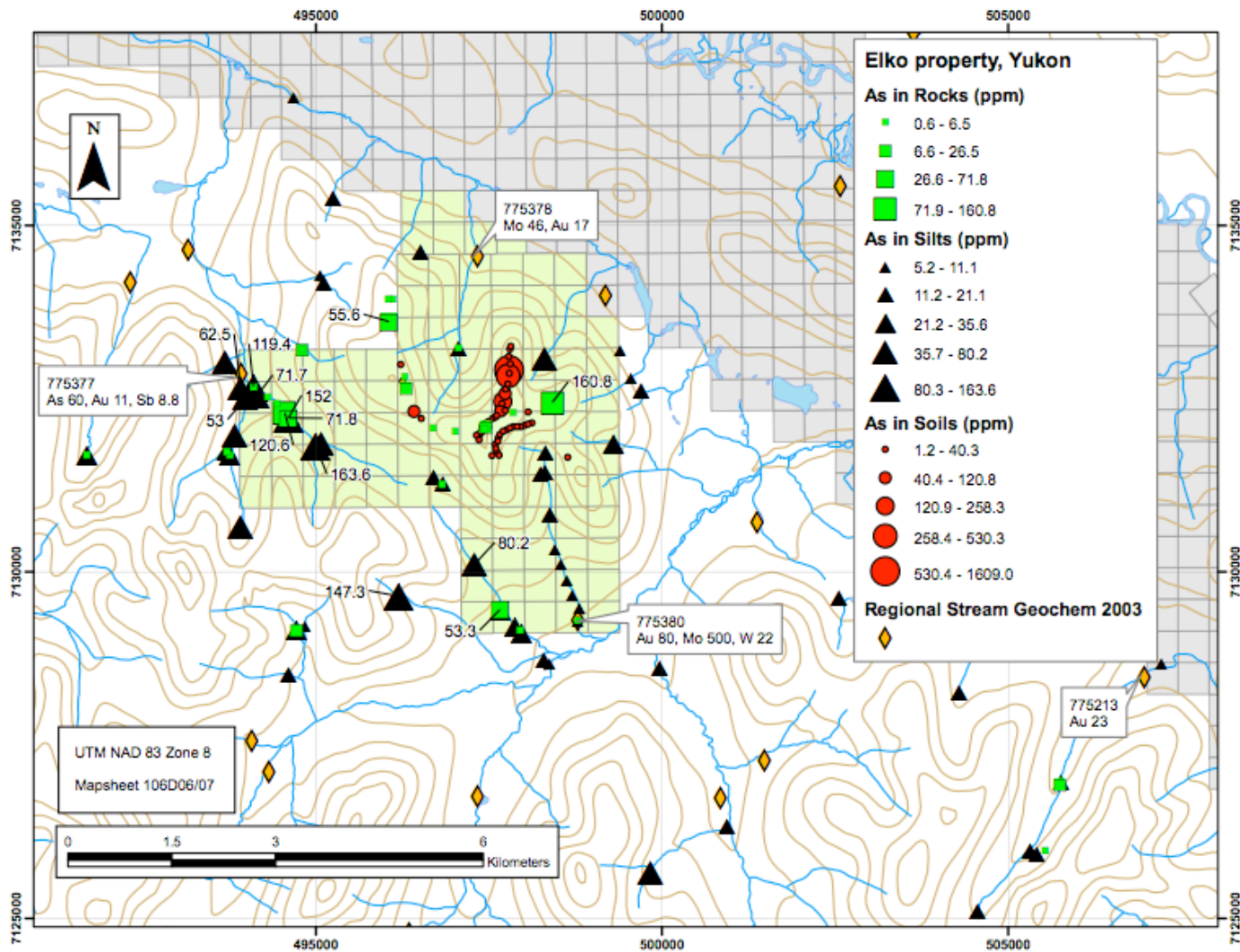


Figure 10. Arsenic in rock, silt and soil samples, Elko area (with original Cow and Elko claims in green).

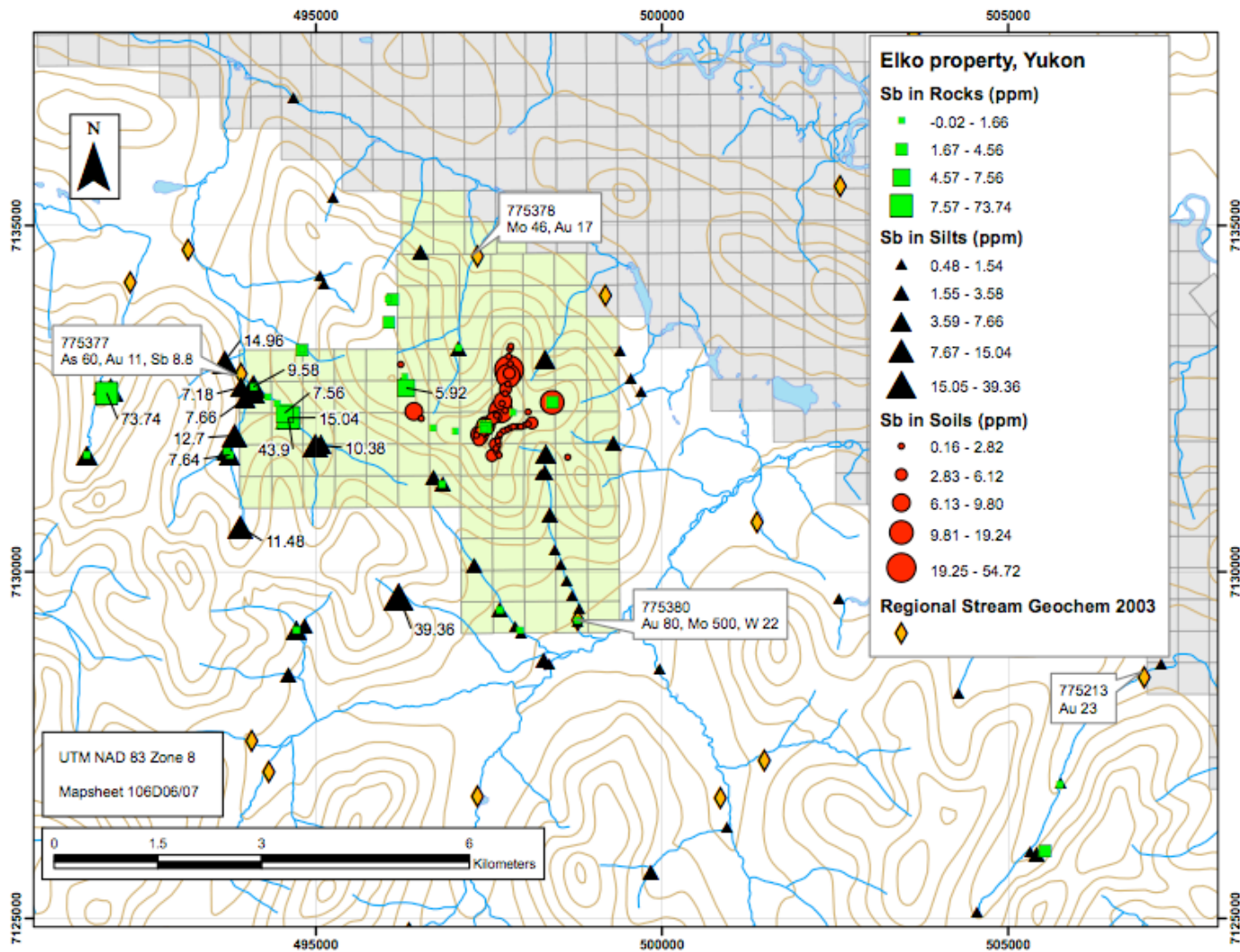


Figure 11. Antimony in rock, silt and soil samples, Elko area (with original Cow and Elko claims in green).

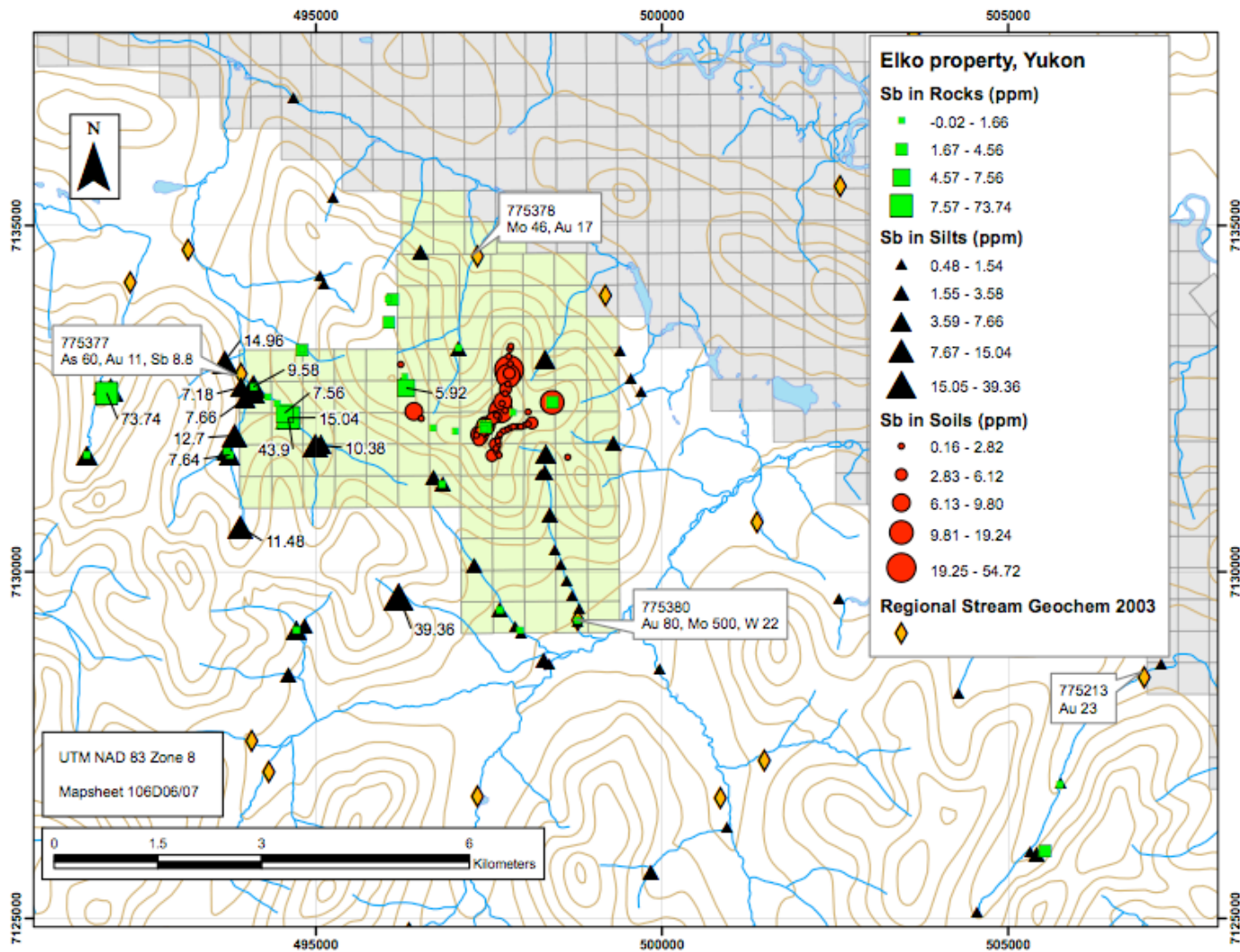


Figure 12. Mercury in rock, silt and soil samples, Elko area (with original Cow and Elko claims in green).



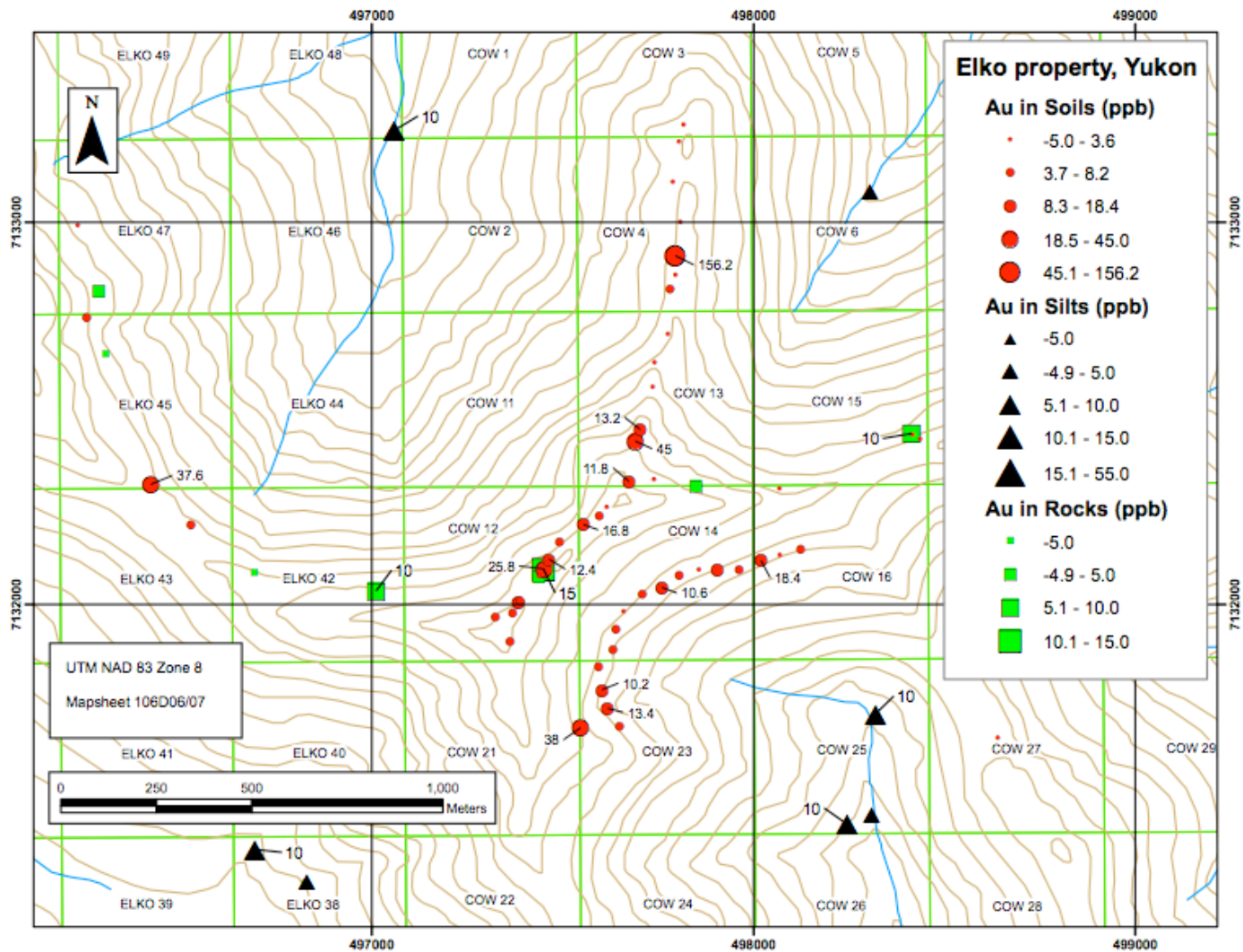


Figure 13. Detail map showing gold in rock, silt and soil samples, Elko Property.

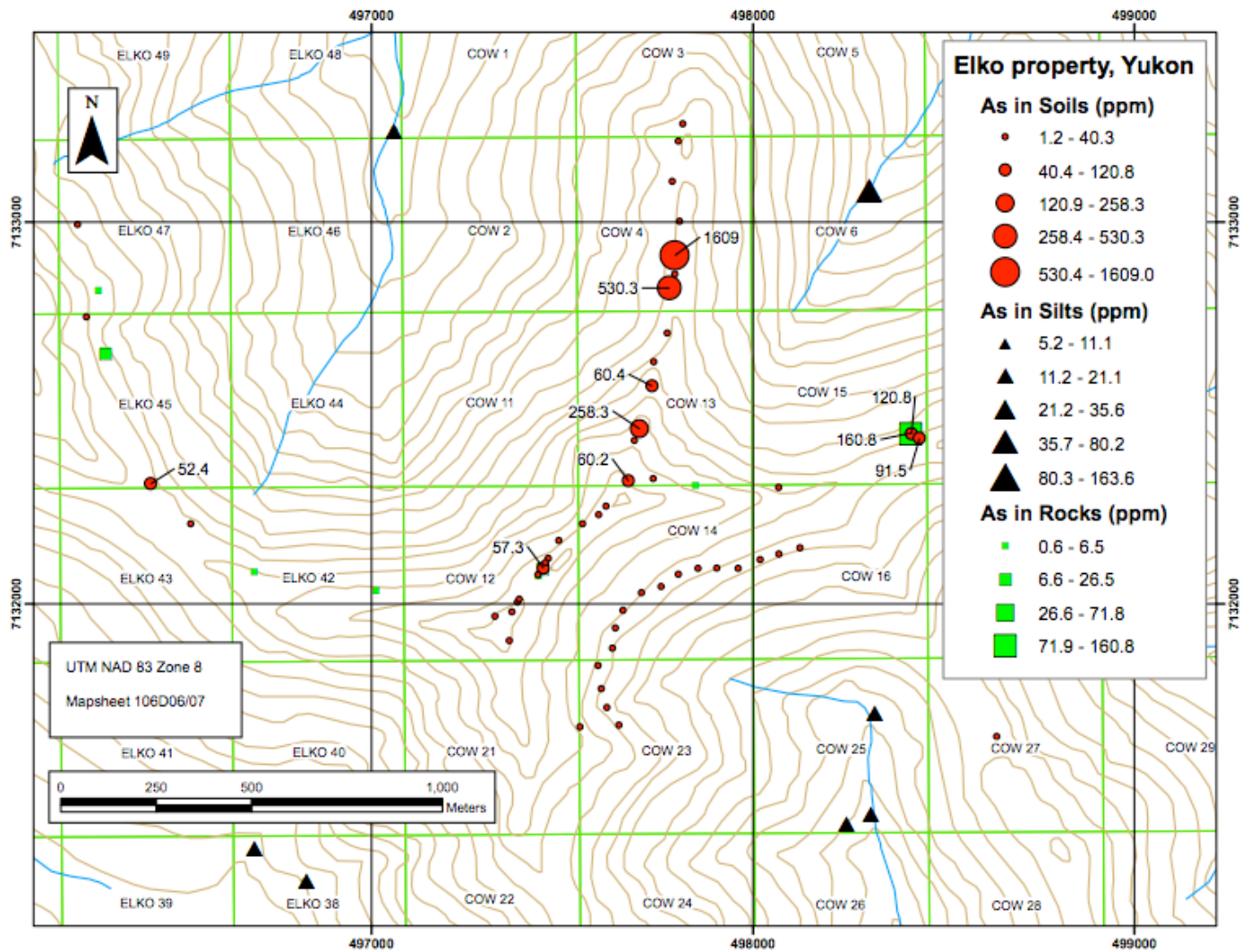


Figure 14. Detail map showing arsenic in rock, silt and soil samples, Elko Property.

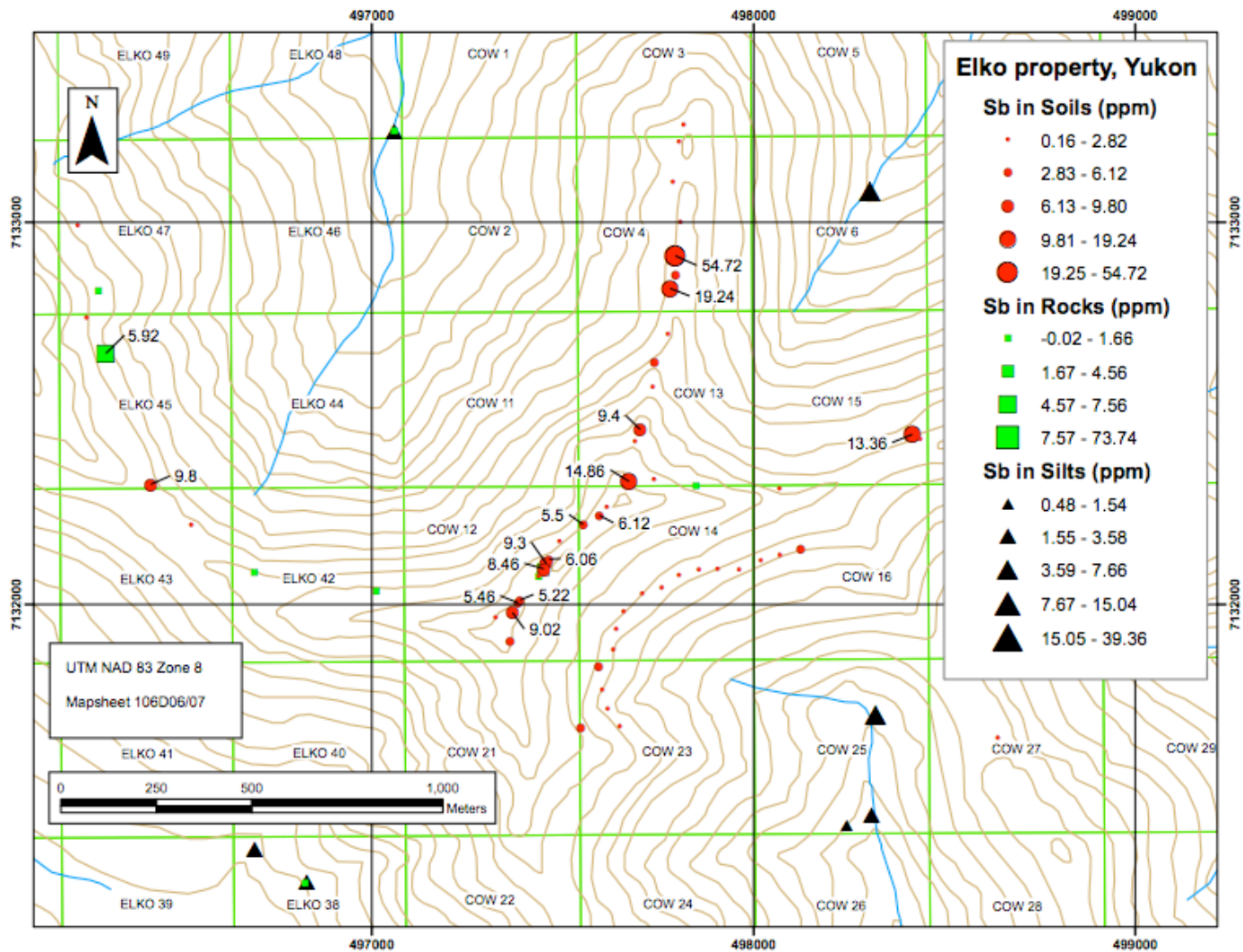


Figure 15. Detail map showing antimony in rock, silt and soil samples, Elko Property.

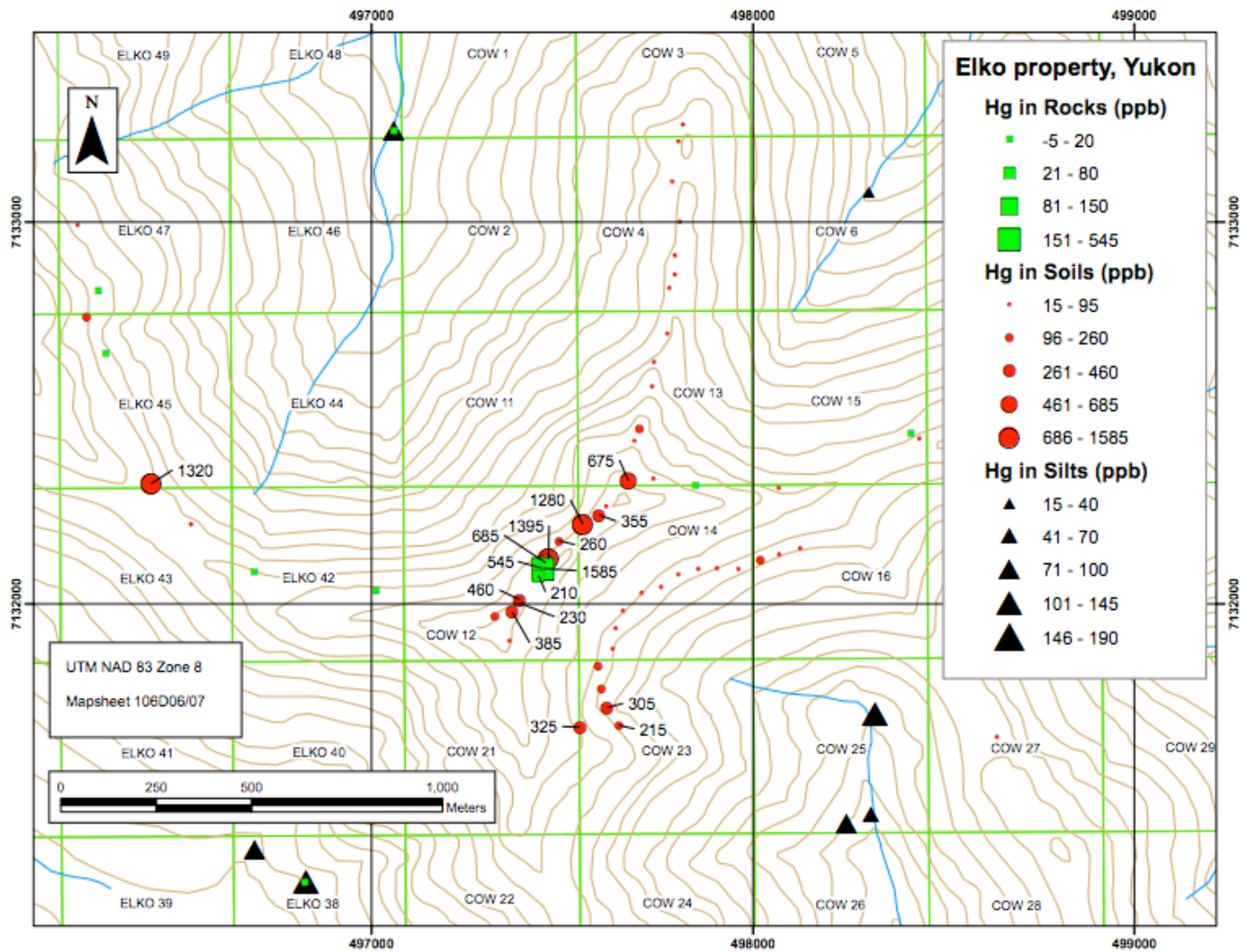


Figure 16. Detail map showing mercury in rock, silt and soil samples, Elko Property.

## 10.0 SUMMARY AND RECOMMENDATIONS

The Project was successful in identifying several areas of anomalous gold and pathfinder elements (As, Sb, Hg) in soil, silt and rock sampling, which may be reflective of as-yet undiscovered sediment-hosted Rau or Brewery Creek-type gold mineralization. As a result, an additional 110 claims (Elko 68-177) were staked in January 2011 to cover prospective ground to the west. Unfortunately, one sample anomalous in gold (55 ppb) was covered by competitor claims to the east (Staff claims of Strategic Metals).

Additional prospecting and soil sampling is warranted in several areas on the Elko claim group, of which the most important are:

Area 1. This area covers the north and east trending spurs in the centre of the property (Cow 4 and 12-16 claims). This area is underlain by fine shales, siltstones and limy rocks (including orange-weathering, sandy, calcareous breccia). Additional prospecting and detailed contour soil sampling should be completed here to follow-up anomalous values in soils for Au (to 156.2 ppb), As (to 1609 ppm), Sb (to 54.72 ppm) and Hg (to 1585 ppm). A 15 m random chip sample of the sandy, calcareous breccia in outcrop on the east-trending spur returned weakly anomalous As (160.8 ppm) and Au (10 ppb), and two soil samples collected here were also anomalous in As (91.5 and 120.8 ppm) and Sb (13.36 ppm).

Area 2. This area is centred on northwest trending drainages in the west-central and southwest part of the property, and is underlain by clastic sedimentary rocks cut by small quartz veins. The area corresponds to government RGS stream sediment sample 106D775377 which is anomalous in As (60 ppm) and Sb (8.8 ppm) and weakly anomalous in Au (11 ppb). Several stream sediment samples collected in this program (ELA-001, ELA-002, ELM-004, ELD-002, ELD-005 etc) confirm that these drainages are anomalous for As (163.6, 152, 119.4, and 71.7 ppm), Sb (15.4, 14.96, 12.7, and 11.48 ppm) and very weakly anomalous for Au (10 and 15 ppb). Additional detailed prospecting and contour soil sampling should be completed.

Area 3. Located in the south part of the claim group, this area is centred on stream sediment samples ELD-016 and ELD-012, which returned anomalous As (147.3 and 80.2 ppm) and Sb (39.36 ppm). The area is thought to be underlain by fine clastic sedimentary rocks and has received very little work. Additional stream sediment sampling and prospecting is required.

An airborne magnetic survey should be flown over the property to help identify potentially mineralized fault structures and possible buried intrusions.

## 11.0 QUALIFICATIONS

I, Michael S. Cathro, of 2560 Telford Place, Kamloops, British Columbia, hereby certify that:

- I have been a registered professional geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC) since 1992 (Reg.# 19093).
- I am a graduate of Queens University, Kingston, Ontario with a B.Sc (Honours) in Geological Sciences (1984), and a graduate of the Colorado School of Mines, Golden, Colorado with a M.Sc. in Geology (1992). My Master's thesis topic was the Geology and Mineral Deposits of the Ketzka River District, Yukon Territory.
- I am presently employed as a consulting geologist, President of Cathro Resources Corp., Kamloops, BC, and Vice-President of Virginia Energy Resources Inc.
- I have been working as a professional geologist in mineral exploration, exploration management, geological research, and administration of mine and exploration permitting and compliance on a semi-continuous basis since 1984.
- My career has given me experience in precious and base metal, industrial minerals, uranium, coal, tantalum-niobium, and rare earth element exploration primarily in British Columbia, Yukon, Western USA, Australia and the southwest Pacific. In addition, during the summers between 1980 and 1983, I worked as a field assistant on metals exploration projects in Yukon and northern British Columbia.
- I have published numerous research papers and made presentations on the geology of porphyry copper-gold-molybdenum, epithermal gold, and intrusion related gold deposits, and exploration topics, primarily in British Columbia.



Michael S. Cathro, M.Sc., P.Geol.  
March 24, 2011

Appendix 1  
Sample Descriptions

# Eiko Rocks

Sample Num	Zone	Easting	Northing	Alt(m)	Comment	Type (float, s/c, o/c)	Grab, chip, channel	Width (m)	Colour	Texture	Rock type	Mineralization	Alteration	Other Comments
ERA001	ORW	494099	7132674	1153	08-AUG-10:30:7:15PM	float			0.2 white	sugry	qtz vein	py	sil	Other Comments
ERA002	ORW	494309	7132523	1170	8.08-AUG-10:35:2:43PM	float			0.3 white	sugry	qtz vein	py	sil	trace silver grey pyrite in qtz vein float in creek
ERA003	ORW	494551	7132794	1191	4.08-AUG-10:41:10:5PM	float			0.15 white	sugry	qtz vein	py	sil	trace dark brown sphalerite ?
ERA004	ORW	498785	7132901	995.6	08-AUG-10:55:6:40PM	float			0.3 white	sugry	qtz vein	py	sil	limonite stained, silver grey ss ?
ERA005	ORW	497059	7133240	1215.9	08-AUG-10:64:0:05PM	float			0.2 white	sugry	qtz vein	py	sil	float in RGS Au 80. Mo 500 creek
ERA006	ORW	505750	7132685	0	10-AUG-10:82:7:03AM	float			0.2 white	sugry	qtz vein	py	sil	15 cm x 30 cm piece
ERA007	ORW	491975	7132585	1160	09-AUG-10:34:0:08PM	float			0.2 white	sugry	qtz vein	py	sil	rusty on one side, crystals on other, tr. Fe silver ss taken beside ESA-005, qtz vein subcrop out of shale from creek at site siteED003
ERA008	ORW	497449	7132093	1267	17-AUG-10:11:26:52AM	float			0.1 white	sugry	qtz vein	py	sil	Billy siliceousqtzite
END001	ORW	493713	7131746	1218.8	8/8/01:6:19	float	na		lgy	clear	quartzite	py	sil	wk limonite
END002	ORW	493713	7131746	1219.3	8/8/01:6:21	float			wh	sheared?	qtz vn	T, vfg, silver sulphide	strong chlorite	
END003	ORW	493756	7131687	1218.6	8/8/01:6:48	float			0.35 wh	vuggy/druzy	qtz vn	tarnished py	yl-or-limonite	
END004	ORW	494804	7133208	1290.9	8/8/01:8:42	float boulder			0.1 rusty	vuggy/druzy	qtz vn		limonite	
END005	ORW	494803	7133212	1295.7	8/9/01:0:38	float			0.25 wh	brttle	qtz vn		limonite, anchortite	
END006	ORW	497948	7129162	1044.6	8/9/01:1:46	float boulder			0.15 white	massive	qtz vn		yl limonite	
END007	ORW	497658	7129456	1092.4	8/9/01:7:27	float boulder			0.1 red		qtz		He, chl, muscovite alt qtz boulder	
END008	ORW	491687	7131660	1383.7		float			0.1 red		qtz		chl, black oxide	
ENM-001	ORW	494434	7132431	1184.7	08-AUG-10:41:0:23PM	float			0.1 red		qtz		clay	
ENM-002	ORW	494600	7132223	1201.3	08-AUG-10:42:9:04PM	float			0.1 red		qtz			
ENM-003	ORW	496825	7131271	1344	08-AUG-10:53:5:39PM	float			0.1 red		qtz			
ENM-004	ORW	496054	7133615	1563.2	09-AUG-10:85:7:47AM	float			0.05	buff	qtz			
ENM-005	ORW	496042	7133947	1577.6	09-AUG-10:92:7:09AM	float			0.8 white		qtz-carbon	1.2% gn		buff weathering, altered quartzite
ENM-006	ORW	496109	7133946	1594	09-AUG-10:94:2:21AM	float			buff-or-red		qtz-cal-dol	tr FeOx		host is dk greenish-grey limy phyllite/sh/iltstone
ENM-007	ORW	496284	7132821	1616.1	09-AUG-10:11:06:45AM	float			0.1 red		phyll/limestone	tr po and qtz whts		host is pale gm phyllite/serp; sample is selected qtz
ENM-008	ORW	496303	7132856	1631.7	09-AUG-10:11:32:13AM	float			0.5 red/white		qtz vn fragments	FOx		host is py-ch silty ls, vns @ 105/80S
ENM-009	ORW	496692	7132085	1679.5	09-AUG-10:12:30:25PM	float			0.5 rusty		qtz frags	FOx		
ENM-010	ORW	505535	7125976	1287.8	09-AUG-10:32:9:53PM	float			rusty		bull qtz	minor FOx		
ENM-011	ORW	494717	7129164	1237	14-AUG-10:94:34:36AM	float			rusty		py and bl sh	FOx		host is dk gy sh and gy-grn qtzite-phyll
ENM012	ORW	497011	7132055	1728.8	17-AUG-10:10:41:31AM	float			white-or		qtz and rock	FAOX/hem		fragments of bl sh
ENM013	ORW	497437	7132074	1773.5	17-AUG-10:11:28:18AM	float			0.2 white		qtz vns in siliceous phy/qrzite	Minor FeOx		gy strikes N and dips mod W
ENM014	ORW	497849	7132310	1738.2	17-AUG-10:12:15:58PM	float			0.5 rusty/white		qtz, FOx			Host is pale gm phyllite/serp; sample is selected qtz
ENM015	ORW	498415	7132447	1646.9	17-AUG-10:12:58:29PM	float	random chip over 15 m		2 wh		qtz	tr py		band strikes 140 dip subvert; Rock appears altered and vaguely brecciated



# Elko Silt

Sample Num	Zone	Easting	Northing	Alt(m)	Comment	Strm width (m)	Flow (f/m,s)	Texture	Rock types	Comments
ELM001	08W	494097	7132675	1153	08-AUG-10 8:14:40PM		1 s	silty	qtzites, shales	thick willows
ELM002	08W	494989	7131823	1233.7	08-AUG-10 4:39:18PM		2 m	sandy	qtzites, shales	organics high
ELM003	08W	498783	7129302	995.8	08-AUG-10 5:56:04PM		1 m	sandy	qtzites, shales	near site of Au 80, Mo 500
ELM004	08W	497059	7133240	1216.9	08-AUG-10 6:45:35PM		3 m	sandy	sediments	near back of cirque
ELM005	08W	498801	7129492	1020.3	09-AUG-10 9:08:11AM		0.5 m	sandy	qtz veins, argillite	thick willows, 200 m up from RGS anomaly
ELM006	08W	498705	7129667	1032.3	09-AUG-10 9:37:51AM		1 m	sandy	phyllites	thick willows, 400 m up from RGS anomaly
ELM007	08W	498625	7129886	1064.9	09-AUG-10 10:12:26AM		0.75 m	sandy	shales	black and red shales, 600m up from RGS
ELM008	08W	498534	7130111	1096.3	09-AUG-10 10:43:44AM		0.75 m	sandy	shales	black and red shales, 800m up from RGS
ELM009	08W	498452	7130324	1131.6	09-AUG-10 11:11:35AM		0.75 m	sandy	shales	black and red shales, 1 km up from RGS
ELM010	08W	505764	7126959	1156.1	09-AUG-10 3:24:08PM		4 m	sandy	phyllites	just above treeline, phyllites and qtz veins
ELM011	08W	504559	7125111	1359.2	09-AUG-10 4:14:13PM					
ELM012	08W	504288	7128250	1270.3	09-AUG-10 4:28:12PM		2			dry fan with willows, find silt where once flowed
ELM013	08W	499553	7132813	1053.2	09-AUG-10 4:47:27PM					dry creek bed here
ELM014	08W	491890	7132658	1258.7	09-AUG-10 5:06:45PM					dry creek bed here
ELM015	08W	492033	7132633	1292.6	09-AUG-10 5:17:13PM		0.5 m	sandy	sediments	dry creek fan from east side
ELM016	08W	494601	7128525	1190.9	14-AUG-10 9:03:08AM		5 m	sandy	sediments	grassy sloped meadow here
ELM017	08W	500938	7126332	1079.7	14-AUG-10 9:26:33AM		1 f	sandy	agillites/shales	above Beaver dam, some qtz vein float
ELM018	08W	498319	7131713	1333.9	14-AUG-10 10:30:56AM		4 s	silty	sediments	first water at head of Au 80, Mo 500 creek
ELM019	08W	494672	7136850	904.5	14-AUG-10 11:52:00AM		4 s	coarse	sediments	high organics in main valley
ELM001	08W	493979	7132505	1160	8/8/10 15:13		3 s	coarse	Limestone boulders	silt/organic material from east side of creek
ELM002	08W	493821	7131967	1199.6	8/8/10 15:37		2 m	fine	Limestone, green mete volc.	Good silt from gravel bar
ELM003	08W	493713	7131747	1224.1	8/8/10 16:16		2 m	coarse	coarse	Poor sample - very sparse fines
ELM004	08W	493756	7131687	1218.6	8/8/10 16:45		3 m	coarse	coarse	Sampled from platy gravel off of east bank
ELM005	08W	493905	7130650	1337.3	8/8/10 17:06		2 m	platy	Lst. mauve phyllite	White qtz at site
ELM006	08W	494804	7133209	1299.3	8/8/10 18:26		2 dry	platy	meta seds, qtz fit	Good volume of fines. Rusty qtz float
ELM007	08W	498368	7128686	981.6	8/9/10 8:51		4 f	platy	platy	cobbles and gravel with lt-ey silt
ELM008	08W	498292	7128739	983.3	8/9/10 9:09		1 f	platy	platy	lt gy silt/fines
ELM009	08W	497966	7129123	1036.4	8/9/10 10:03		1 m	platy	platy	ly gy silt, moss covered bed in thick spruce, alders
ELM010	08W	497879	7129216	1054.2	8/9/10 10:56		2 m	fine	fine	silt moss lines bed, lt gy silt
ELM011	08W	497657	7129460	1083	8/9/10 11:25		2 m	fine	fine	From beaded area in crk. Lt gy silt
ELM012	08W	497286	7130104	1141.7	8/9/10 12:53		1 m	vfg	coarse boulder and cobbles	Very fine grained silt
ELM013	08W	507215	7128689	1006.9	8/9/10 15:24		4 f	sandy	greenstone, SST, phyllites	fine lt gy silt and sand
ELM014	08W	502560	7129628	1073.4	8/9/10 16:39		0.5 f	coarse	coarse	scant fines and gravels.
ELM015	08W	498305	7133081	1249.1	8/9/10 16:58		2 s	coarse	coarse	platy fines very sparse silt
ELM016	08W	496197	7129651	1275.8	14-AUG-10 9:07:31AM		1 dry	platy	MST, Green stone	Qtz float in creek bed.
ELM017	08W	499966	7128613	992.14	14-AUG-10 9:49:53AM		4 m	fine	fine	plentiful silt
ELM018	08W	498378	7130823	1191.9	14-AUG-10 10:09:49AM		1 m	coarse	coarse	sparse fines and silt
ELM019	08W	499698	7132613	1061.7	14-AUG-10 10:43:43AM		1 s	fine	fine	Lt gy vfg silt, poorly defines creek
ELM020	08W	499398	7133214	1012.9	14-AUG-10 11:13:42AM		1 s	fine	fine	ly by fg silt from break in slope
ELM021	08W	496512	7134633	1138.3	14-AUG-10 11:30:09AM		3 m	fine	fine	Very sparse fines in steep rugged canyon
ELM-001	08W	493911	7132666	1165	08-AUG-10 3:04:33PM		0.3 m	fine	fine	
ELM-002	08W	493681	7133041	1197.9	08-AUG-10 3:24:42PM		1 dry	moist-silt	moist-grassy	clay-silt
ELM-003	08W	494147	7132540	1171.7	08-AUG-10 3:45:32PM		0.6 m	silt-sand- pebbles	qtzite, phyll, qtz vn	mossy
ELM-004	08W	494600	7132225	1201.8	08-AUG-10 4:23:52PM		1 dry	silt-sand- pebbles	some qtz	
ELM-005	08W	495070	7131848	1238.1	08-AUG-10 4:47:34PM		1 dry	sand- pebbles	black arg, qtzite, some qtz	mossy
ELM-006	08W	496693	7131359	1331.5	08-AUG-10 5:17:46PM		0.5 dry	silt	bl sh, qtzite, qtz bidrs	grassy
ELM-007	08W	496829	7131274	1343.3	08-AUG-10 5:33:33PM		0.5 dry	moss-sand- pebbles	bl sh, green and grey grit, qtz vn frags	
ELM-008	08W	495113	7134169	1296	08-AUG-10 6:23:21PM		1 m	silt-sand	bl sh, green and grey frags	
ELM-009	08W	495063	7134293	1289	08-AUG-10 6:33:26PM		1 m	scree	bl sh	dry scree fan
ELM-010	08W	505412	7125936	1255.6	09-AUG-10 3:39:29PM		-			minor qtz
ELM-011	08W	505322	7125977	1237.8	09-AUG-10 3:53:14PM		1 m	mud	red and bl shale	draining scree fan
ELM-012	08W	491692	7131687	1377.4	09-AUG-10 5:15:41PM		1 m	mud	red and br sh, minor qtz	
ELM-013	08W	491688	7131690	1377	09-AUG-10 5:24:52PM		0.3 m	mud, chips	sh, qtz	
ELM-014	08W	494838	7129232	1245.5	14-AUG-10 9:10:20AM		1 m	moss, silt	bl sh	very rocky, 5-10% qtz
ELM-015	08W	494716	7129156	1235.7	14-AUG-10 9:29:11AM		1 m	chips, sand, silt	buff ss	2-5% rusty qtz
ELM-016	08W	499636	7125661	1247.9	14-AUG-10 10:05:48AM		1 m	silt, sand, moss	sh, chert	vague drainage, more of a soil
ELM-017	08W	498245	7131425	1303.2	14-AUG-10 10:27:15AM		-	silt, sand, moss	green, grey and black sh	1-3% qtz, sample is moss and seived fines
ELM-018	08W	498310	7131449	1293.3	14-AUG-10 10:43:50AM		1 s	rocky, moss	sh, phyll, qtz (2%)	trace qtz
ELM-019	08W	499295	7131856	1187.8	14-AUG-10 11:15:52AM		1 s	silt, sand		
ELM-020	08W	495248	7135409	1149.6	14-AUG-10 11:49:47AM		0.5 m	silt, sand		

## Elko Soils

Sample Num	Zone	Easting	Northing	Alt(m)	Comment	Depth (cm)	Horizon	Colour	Texture	Comments
ESAO01	08W	496421	7132314	1644.4	17-AUG-10 10:13:34AM		10 b/c	brown	rocky	ridge crest cut by gully, shales, 1mst
ESAO02	08W	497324	7131967	1789.4	17-AUG-10 10:49:05AM		10 b/c	brown	rocky	black shales and qtz vein float
ESAO03	08W	497369	7131978	1790.1	17-AUG-10 11:11:05AM		10 b/c	brown	rocky	dk grey shales in saddle
ESAO04	08W	497388	7132011	1787	17-AUG-10 11:16:26AM		10 b/c	brown	rocky	dk grey shales in saddle
ESAO05	08W	497451	7132093	1764.4	17-AUG-10 11:25:13AM		10 b/c	brown	rocky	dk grey shales in saddle
ESAO06	08W	497456	7132107	1762	17-AUG-10 11:32:03AM		10 b/c	brown	rocky	black graphitic shales
ESAO07	08W	497464	7132118	1766.8	17-AUG-10 11:35:53AM		10 b/c	brown	rocky	black graphitic shales
ESAO08	08W	497554	7132209	1767.5	17-AUG-10 11:48:49AM		10 b/c	brown	rocky	grey shales with irregular qtz veins to 30 cm
ESAO09	08W	497615	7132255	1762.2	17-AUG-10 11:57:19AM		10 b/c	brown	rocky	grey/green shales
ESAO10	08W	497674	7132322	1781.2	17-AUG-10 12:04:57PM		10 b/c	brown	rocky	grey/green shales
ESAO11	08W	497690	7132427	1738.9	17-AUG-10 12:19:26PM		10 b/c	brown	rocky	grey/green shales, also marron coloured interlayers
ESAO12	08W	497703	7132458	1715.1	17-AUG-10 12:26:02PM		10 b/c	brown	rocky	more graphitic again, minor quartz veins
ESAO13	08W	497736	7132570	1644.4	17-AUG-10 12:39:24PM		10 b/c	brown	rocky	more graphitic again, minor quartz veins
ESAO14	08W	497741	7132633	1634.6	17-AUG-10 12:44:20PM		10 b/c	brown	rocky	light grey/green shales
ESAO15	08W	497776	7132708	1618.5	17-AUG-10 12:50:10PM		10 b/c	green	rocky	light grey/green shales
ESAO16	08W	497781	7132827	1581.2	17-AUG-10 1:07:04PM		10 b/c	orange	rocky	ankeritic gossan, carb alt'd volc tufts ?
ESAO17	08W	497796	7132863	1580	17-AUG-10 1:15:14PM		10 b/c	orange	rocky	ankeritic gossan, carb alt'd volc tufts ? - weaker gossan
ESAO18	08W	497795	7132912	1566.3	17-AUG-10 1:22:21PM		10 b/c	orange	rocky	ankeritic gossan, carb alt'd volc tufts ? - shear with veining
ESAO19	08W	497808	7133001	1551.9	17-AUG-10 1:28:30PM		10 b/c	green	rocky	green shales
ESAO20	08W	497789	7133106	1553.4	17-AUG-10 1:38:07PM		10 b/c	green	rocky	green shales, foliated
ESAO21	08W	497805	7133211	1545.7	17-AUG-10 1:42:54PM		10 b/c	green	rocky	green shales, clayey in grassy saddle
ESAO22	08W	497817	7133256	1555.8	17-AUG-10 1:48:32PM		10 b/c	green	rocky	carbonated and sheared green volc ?
ESD001	08W	497362	7131903	1774.9	17-AUG-10 10:53:18AM		5 C	Bk	play	Wk or stained talus: from ridge
ESD002	08W	497547	7131677	1695.9	17-AUG-10 11:21:48AM		10 C	gy-bk	play	gy-bk phyllitic talus fines
ESD003	08W	497649	7131682	1643.5	17-AUG-10 11:36:31AM		10 C	gy-bk	play	On ridge spur
ESD004	08W	497618	7131728	1639.9	17-AUG-10 11:44:15AM		10 B-C	gy-brn	play	from grassy 35 deg slope with talus
ESD005	08W	497603	7131777	1635.1	17-AUG-10 11:52:12AM		10 C	gy-brn	play	Talus covered slope
ESD006	08W	497595	7131838	1633.2	17-AUG-10 12:04:56PM		15 B-C	gy-brn	play	NE side of main creek
ESD007	08W	497632	7131883	1633.9	17-AUG-10 12:07:57PM		5 B-C	brn	play	gy phyllite oc steeply dipping
ESD008	08W	497640	7131936	1623.1	17-AUG-10 12:15:58PM		10 C	gy	play	40 deg slope
ESD009	08W	497660	7131982	1621.1	17-AUG-10 12:23:39PM		10 B-C	brn	play	sparse soil on steep 40 deg slope
ESD010	08W	497708	7132028	1613.2	17-AUG-10 12:30:36PM		5 C	gy	play	sparse soil on steep 40 deg slope
ESD011	08W	497760	7132044	1605.3	17-AUG-10 12:38:28PM		5 C	brn	play	talus fines
ESD012	08W	497805	7132077	1603.8	17-AUG-10 12:46:00PM		10 C	lt brn	play	talus fines on 40 deg slope
ESD013	08W	497857	7132092	1599	17-AUG-10 12:51:47PM		10 C	brn-gy	play	talus fines from steep grassy slope
ESD014	08W	497906	7132093	1584.1	17-AUG-10 12:58:31PM		5 C	brn-gy	play	phyllitic talus fines
ESD015	08W	497962	7132092	1592.3	17-AUG-10 1:06:00PM		10 C	brn-gy	play	talus fines
ESD016	08W	498020	7132115	1584.4	17-AUG-10 1:14:33PM		10 C	brn-gy	play	talus fines
ESD017	08W	498069	7132130	1580.5	17-AUG-10 1:18:21PM		10 B-C	lt brn	play	40 degree slope
ESD018	08W	498124	7132146	1574	17-AUG-10 1:26:40PM		10 B-C	lt brn	play	steep slope with tabular qtz float
ESM-001	08W	496230	7132993	1599.5	09-AUG-10 10:43:40AM		10 c, TF	grn-gy	rocky	talus fines; gr' phyl, gy qtzite, chert, minor qtz (120/40S)
ESM-002	08W	496253	7132751	1616.6	09-AUG-10 11:20:00AM		10 c, TF	br	rocky	silt-sand-pe talus fines dk gy and br sh, phyl, trace qtz
ESM003	08W	496526	7132209	1660.3	17-AUG-10 10:14:40AM		20 B, TF	bl	rocky	bl sh
ESM004	08W	497383	7132004	1789.6	17-AUG-10 11:12:02AM		15 TF	d br	rocky	bl sh, qtz, top of gully
ESM005	08W	497437	7132075	1772.3	17-AUG-10 11:27:04AM		15 TF	o-br	rocky	bl sh, qtz, top of gully
ESM006	08W	497492	7132165	1783.6	17-AUG-10 11:38:55AM		10 TF	o-br	rocky	bl sh, qtz, top of gully
ESM007	08W	497596	7132233	1764.6	17-AUG-10 11:52:56AM		15 TF	br	rocky	bl sh, qtz, top of gully
ESM008	08W	497739	7132327	1763.7	17-AUG-10 12:04:00PM		20 TF	l br	rocky	gy phyl, qtz, on ridge
ESM009	08W	498068	7132304	1677.4	17-AUG-10 12:32:48PM		20 TF	o-br	rocky	pyl/qtz
ESM010	08W	498416	7132445	1645.4	17-AUG-10 12:56:52PM		20 TF	o-br	rocky	or alt'd ls with qvns
ESM011	08W	498437	7132433	1644.9	17-AUG-10 1:11:35PM		20 TF	o-br	rocky	or alt'd ls with qvns
ESM012	08W	498640	7131652	1486.8	17-AUG-10 2:15:26PM		20 TF	br	rocky	d gy sh

Appendix 2  
Laboratory Certificates



**CERTIFICATE OF ANALYSIS AW 2010- 8090**

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**Cathro Resources Corp**  
528 Braemar Dr  
**Kamloops, BC**  
V1S 1H8

2-Sep-10

*No. of samples received: 43*  
*Sample Type: Silt*  
**Project: Elko**  
**Shipment #: 1**  
*Submitted by: Mike Cathro*

ET #.	Tag #	Au (ppb)
1	ELA001	5
2	ELA002	5
3	ELA003	5
4	ELA004	10
5	ELA005	5
6	ELA006	<5
7	ELA007	5
8	ELA008	5
9	ELA009	5
10	ELA010	5
11	ELA011	<5
12	ELA012	<5
13	ELA013	<5
14	ELA014	<5
15	ELA015	<5
16	ELD001	5
17	ELD002	10
18	ELD003	5
19	ELD004	10
20	ELD005	15
21	ELD006	5
22	ELD007	<5
23	ELD008	<5
24	ELD009	<5
25	ELD010	<5
26	ELD011	5
27	ELD012	<5
28	ELD013	<5



**Cathro Resources Corp AW2010-8090**

2-Sep-10

<b>ET #.</b>	<b>Tag #</b>	<b>Au (ppb)</b>
29	ELD014	5
30	ELD015	5
31	ELM001	5
32	ELM002	5
33	ELM003	<5
34	ELM004	10
35	ELM005	5
36	ELM006	10
37	ELM007	5
38	ELM008	<5
39	ELM009	<5
40	ELM010	55
41	ELM011	5
42	ELM012	<5
43	ELM013	<5

**QC DATA:**

**Repeat:**

1	ELA001	5
11	ELA011	5
22	ELD007	<5
28	ELD013	5
39	ELM009	<5

**Standard:**

OXF65	805
OXE74	620

NM/kk  
XLS/10

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El. #.	Tag #	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
31	ELM001	0.6	0.93	62.5	62.0	0.26	0.98	1.56	12.0	21.5	33.9	2.58	2.8	190	0.07	10.5	0.46	602	0.60	0.034	32.2	887	58.41	0.04	7.18	2.5	0.8	71.0	0.04	1.7	0.018	0.20	1.2	24	0.1	531.1
32	ELM002	0.6	0.75	48.7	69.5	0.32	0.86	0.66	10.8	13.5	23.3	2.37	2.2	85	0.06	9.5	0.28	573	0.58	0.036	21.8	785	68.89	0.04	14.96	1.5	0.4	47.5	0.06	1.0	0.007	0.06	0.9	18	<0.1	139.6
33	ELM003	0.1	0.96	71.7	112.5	0.20	0.86	0.30	13.5	28.0	31.9	3.14	2.9	55	0.06	8.5	0.42	1165	1.38	0.032	29.4	1165	22.56	0.08	3.58	1.4	1.3	52.5	0.04	1.1	0.012	0.14	1.9	24	0.1	88.8
34	ELM004	0.4	0.72	152.0	55.0	0.36	0.74	0.39	12.1	12.0	29.9	2.54	2.0	140	0.05	8.5	0.27	482	0.51	0.036	26.4	926	59.29	0.04	15.04	1.6	0.9	48.0	0.04	0.9	0.007	0.08	1.0	16	0.1	219.1
35	ELM005	0.3	1.02	47.5	137.0	0.28	0.86	0.69	10.0	12.5	29.9	2.29	2.2	100	0.09	9.5	0.35	912	0.75	0.040	25.6	1510	21.87	0.08	4.26	0.7	0.8	58.5	0.06	0.4	0.005	0.08	1.1	16	0.1	157.0
36	ELM006	0.3	1.29	13.9	206.5	0.28	0.90	0.85	17.4	20.0	116.6	3.05	4.0	100	0.18	15.5	0.71	2761	3.89	0.040	43.1	2830	18.80	0.08	1.92	0.4	2.0	104.5	0.20	0.2	0.007	0.14	4.1	42	<0.1	118.5
37	ELM007	0.3	1.41	18.2	252.5	0.36	0.26	0.40	23.5	22.5	114.0	3.79	4.5	120	0.16	17.0	0.57	4423	5.89	0.039	49.5	1618	27.31	0.08	1.94	0.7	1.4	66.0	0.28	0.2	0.011	0.12	2.7	38	0.2	101.6
38	ELM008	0.1	2.57	13.6	351.0	0.14	1.28	0.30	24.7	97.0	49.0	5.69	10.5	55	0.19	24.5	2.35	1071	1.36	0.044	50.4	2814	8.48	0.04	1.02	6.5	0.9	107.5	0.10	2.2	0.107	0.08	0.8	130	<0.1	103.3
39	ELM009	0.1	3.06	5.6	334.5	0.08	1.68	0.78	28.1	157.5	38.8	6.28	13.0	40	0.15	37.5	2.91	965	1.65	0.041	73.7	3715	6.19	0.04	0.82	7.3	1.1	139.0	0.04	2.2	0.179	0.08	1.5	168	0.2	186.9
40	ELM010	0.6	1.25	19.3	260.5	0.36	0.10	0.52	19.0	24.5	154.7	4.93	4.1	155	0.21	16.0	0.62	1889	5.80	0.038	52.2	1016	19.47	0.12	3.08	1.8	2.7	49.5	0.28	2.6	0.045	0.24	2.2	36	<0.1	145.6
41	ELM011	0.1	0.96	14.8	103.0	0.30	0.36	0.90	16.2	14.5	50.5	3.24	2.7	60	0.07	11.5	0.47	2044	1.02	0.038	84.6	747	17.06	0.04	0.86	1.2	1.2	35.0	0.10	0.8	0.010	0.06	1.7	16	<0.1	148.6
42	ELM012	0.1	0.74	23.5	51.5	0.40	0.43	0.25	20.6	13.5	57.4	3.23	2.2	55	0.06	7.5	0.46	1034	0.59	0.039	35.6	700	33.40	0.06	4.06	2.2	0.5	42.5	0.08	2.4	0.003	0.04	3.5	12	<0.1	99.5
43	ELM013	0.1	0.70	19.8	47.0	0.36	0.17	0.22	19.2	15.5	46.5	3.62	2.2	55	0.05	10.0	0.40	875	0.85	0.037	34.7	579	26.14	<0.02	3.90	2.2	0.4	24.0	0.08	4.3	0.004	0.04	1.9	14	<0.1	106.6

**QC DATA:**

Repeat:

1	ELA001	0.2	0.70	115.8	96.0	0.56	0.63	0.54	13.7	15.0	29.1	2.97	2.2	65	0.04	8.5	0.31	724	0.58	0.035	29.1	747	39.50	0.04	8.48	1.9	0.8	36.5	0.08	1.6	0.010	0.06	1.2	18	0.2	153.0
10	ELA010	0.2	0.89	18.7	145.5	0.22	0.28	3.74	15.3	14.5	63.6	3.32	2.8	45	0.10	13.0	0.49	2379	1.88	0.033	139.5	879	12.97	0.04	1.28	1.1	1.4	38.0	0.12	1.5	0.020	0.10	2.0	18	0.1	322.8
19	ELD004	0.3	0.55	32.0	105.5	0.38	0.49	0.96	22.2	11.0	67.6	3.76	1.8	105	0.05	11.0	0.25	1620	1.64	0.033	50.9	821	90.69	0.02	6.70	2.2	1.1	43.0	0.16	1.9	0.007	0.06	1.7	16	0.2	337.4
28	ELD013	0.2	1.27	9.7	180.5	0.12	1.72	0.89	13.3	49.0	29.4	3.14	4.7	80	0.11	16.5	1.48	724	1.01	0.033	59.3	1670	14.70	0.02	0.80	3.1	0.6	62.5	0.06	2.3	0.112	0.08	0.8	56	0.5	172.7
36	ELM006	0.3	1.27	13.0	207.0	0.26	0.91	0.90	16.7	19.5	113.9	2.96	4.1	100	0.19	15.5	0.70	2798	3.71	0.042	41.4	2765	19.97	0.08	1.82	0.3	1.5	100.5	0.16	0.2	0.007	0.14	4.0	42	<0.1	115.0

Standard:

Till-3		1.4	1.03	79.7	35.0	0.26	0.54	0.09	10.4	58.0	22.7	1.90	3.9	105	0.07	13.0	0.57	296	0.61	0.040	28.7	446	15.03	<0.02	0.54	4.0	0.6	16.5	0.02	2.3	0.050	0.06	0.9	38	0.2	36.5
Till-3		1.5	1.10	76.6	36.0	0.26	0.59	0.09	10.0	61.0	23.3	1.99	4.0	110	0.07	13.5	0.60	302	0.61	0.045	30.1	457	14.93	<0.02	0.48	3.4	0.6	17.5	0.02	2.4	0.054	0.06	1.0	36	0.2	38.2

Aqua Regia Digest/CPMS Finish

ECO TECH LABORATORY LTD.  
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Fax + 1 250 573 4557  
Toll Free + 1 877 573 5755  
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Elko Silts



**StewartGroup**  
Geochemical & Assay

## CERTIFICATE OF ANALYSIS AW 2010- 8101

**Cathro Resources Corp**  
528 Braemar Dr  
**Kamloops, BC**  
V1S 1H8

7-Sep-10

*No. of samples received: 17*  
*Sample Type: Silt*  
**Project: Elko**  
*Submitted by: Mike Cathro*

ET #.	Tag #	Au (ppb)
1	ELA016	<5
2	ELA017	<5
3	ELA018	10
4	ELA019	<5
5	ELD016	5
6	ELD017	<5
7	ELD018	5
8	ELD019	5
9	ELD020	<5
10	ELD021	<5
11	ELM014	<5
12	ELM015	10
13	ELM016	<5
14	ELM017	10
15	ELM018	5
16	ELM019	<5
17	ELM020	<5

**QC DATA:**


**Repeat:**

1	ELA016	<5
16	ELM019	<5

**Standard:**

OXE74 610

NM/nw  
XLS/10

  
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Elko Rocks



**StewartGroup**  
Geochemical & Assay

## CERTIFICATE OF ANALYSIS AW 2010- 8095

**Cathro Resources Corp**  
528 Braemar Dr  
**Kamloops, BC**  
V1S 1H8

3-Sep-10

*No. of samples received: 25*  
*Sample Type: Rock*  
**Project: Elko**  
**Shipment #: 1**  
*Submitted by: Mike Cathro*

ET #.	Tag #	Au (ppb)
1	ERA001	10
2	ERA002	5
3	ERA003	5
4	ERA004	<5
5	ERA005	<5
6	ERA006	15
7	ERA007	<5
8	ERD001	<5
9	ERD002	<5
10	ERD003	<5
11	ERD004	<5
12	ERD005	5
13	ERD006	5
14	ERD007	<5
15	ERD008	<5
16	ERM001	<5
17	ERM002	<5
18	ERM003	<5
19	ERM004	<5
20	ERM005	<5
21	ERM006	<5
22	ERM007	5
23	ERM008	<5
24	ERM009	<5
25	ERM010	15

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**StewartGroup**  
Geochemical & Assay

**Cathro Resources Corp AW10-8095**

3-Sep-10

ET #.	Tag #	Au (ppb)
<b>QC DATA:</b>		
<b>Repeat:</b>		
1	ERA001	10
10	ERD003	<5
19	ERM004	<5
<b>Resplit:</b>		
1	ERA001	5
<b>Standard:</b>		
OXE74		615

NM/nw  
XLS/10


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



Et. #.	Tag #	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
1	ERA001	0.2	0.07	2.0	24.0	0.56	0.02	0.08	2.1	179.5	4.5	0.74	0.3	5	0.02	1.0	0.01	670	0.70	0.039	7.9	112	80.27	<0.02	0.22	1.0	<0.1	4.0	0.04	0.4	0.001	<0.02	0.5	<2	<0.1	10.2	
<b>Standard:</b>		Pb129a	11.8	0.82	5.5	66.0	0.48	0.47	55.20	4.9	10.5	1381.0	1.57	2.2	75	0.10	4.0	0.70	356	1.94	0.046	5.1	416	6151.00	0.86	15.50	0.6	0.2	31.5	0.28	0.4	0.035	0.04	<0.1	16	0.1	9985.0

Aqua Regia Digest/CPMS Finish

NM/nw  
df/msr4594S  
XLS/10

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

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Toll Free + 1 877 573 5755  
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Elko Rocks



**StewartGroup**  
Geochemical & Assay

## CERTIFICATE OF ANALYSIS AW 2010- 8102

**Cathro Resources Corp**  
528 Braemar Dr  
**Kamloops, BC**  
V1S 1H8

10-Sep-07

*No. of samples received: 6*  
*Sample Type: Rock*  
**Project: Elko**  
*Submitted by: Mike Cathro*

ET #.	Tag #	Au (ppb)
1	ERA008	15
2	ERM011	5
3	ERM012	10
4	ERM013	5
5	ERM014	5
6	ERM015	10

**QC DATA:**

**Repeat:**

1	ERA008	20
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**Resplit:**

2	ERM011	15
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**Standard:**

OXE74	630
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NM/sa  
XLS/10

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

Stewart Group  
ECO TECH LABORATORY LTD.  
10041 Dallas Drive  
KAMLOOPS, B.C.  
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AW 2010- 8102

Cathro Resources Corp  
528 Braemar Dr  
Kamloops, BC  
V1S 1H8

Phone: 250-573-5700  
Fax : 250-573-4557

No. of samples received: 6  
Sample Type: Rock  
Project: Eiko  
Submitted by: Mike Cathro

Values in ppm unless otherwise reported

Et#.	Tag #	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
1	ERA008	0.5	1.46	15.3	87.0	0.10	3.65	0.82	3.6	182.5	821.3	3.80	4.2	545	0.37	28.0	0.23	40	18.26	0.083	141.6	18480	5.12	0.36	4.56	1.2	7.4	488.0	0.18	1.6	0.015	0.30	41.3	394	0.2	403.9
2	ERM011	<0.1	0.08	15.1	62.5	0.06	<0.01	0.04	4.8	136.0	36.8	0.93	0.4	35	0.04	1.5	<0.01	185	0.66	0.035	18.2	70	0.09	<0.02	1.66	0.5	0.3	7.5	0.08	0.3	0.001	0.02	0.2	<0.1	26.0	
3	ERM012	<0.1	0.12	0.9	51.0	<0.02	0.24	<0.01	1.7	189.0	26.5	0.65	0.6	10	0.03	1.5	0.02	68	0.63	0.043	10.3	1267	2.00	<0.02	0.14	0.4	0.3	68.0	<0.02	0.2	0.001	<0.02	0.9	8	<0.1	17.0
4	ERM013	0.2	0.47	5.9	28.0	0.10	0.03	0.06	4.0	170.0	37.0	1.14	1.1	45	0.05	2.5	0.10	720	2.11	0.043	20.5	489	5.70	0.02	0.66	0.7	0.5	15.5	0.06	0.9	0.001	0.02	4.8	10	<0.1	30.7
5	ERM014	<0.1	0.05	2.3	141.0	0.04	<0.01	<0.01	0.9	162.5	17.5	0.48	0.3	<5	0.02	<0.5	<0.01	137	0.45	0.037	7.7	70	0.02	<0.02	0.18	0.3	<0.1	1.5	0.02	0.2	0.001	<0.02	<0.1	<2	<0.1	8.2
6	ERM015	0.1	0.25	160.8	336.0	0.10	>10	0.15	30.1	45.0	37.5	6.27	1.8	15	0.10	21.0	1.68	1906	0.59	0.066	95.3	3948	17.98	0.04	2.60	8.4	0.7	551.0	0.08	2.1	0.002	<0.02	0.6	14	0.1	66.9

QC DATA:


Repeat: 1 ERA008 <0.1 0.08 14.6 62.0 0.06 <0.01 0.04 4.7 136.5 35.9 0.92 0.4 30 0.04 1.5 <0.01 185 0.69 0.038 17.7 64 0.17 <0.02 1.66 0.5 0.2 7.5 0.06 0.3 0.001 <0.02 0.2 <2 <0.1 25.5

Resplit: 2 ERM011 <0.1 0.07 14.0 60.0 0.06 <0.01 0.03 4.6 132.0 34.3 0.89 0.3 35 0.03 1.5 <0.01 179 0.64 0.033 17.0 63 0.11 <0.02 1.64 0.5 0.2 7.0 0.08 0.3 0.005 <0.02 0.2 <2 <0.1 24.5

Standard: STSD1 11.8 0.79 5.4 64.0 0.40 0.49 56.18 4.7 11.5 1410.0 1.55 2.2 80 0.11 3.5 0.68 334 1.81 0.049 5.3 421 6247.51 0.88 17.36 0.5 0.2 28.0 0.28 0.7 0.027 0.04 <0.1 16 0.2 >10000

Aqua Regia Digest/CPMS Finish

NIM/SA  
df/mstr699S  
XLS/10

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

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Elko Soils



**StewartGroup**  
Geochemical & Assay

## CERTIFICATE OF ANALYSIS AW 2010- 8091

**Cathro Resources Corp**  
528 Braemar Dr  
**Kamloops, BC**  
V1S 1H8

01-Sep-10

*No. of samples received: 2*  
*Sample Type: Soil*  
**Project: Elko**  
**Shipment #: 1**  
*Submitted by: Mike Cathro*

<b>ET #.</b>	<b>Tag #</b>	<b>Au (ppb)</b>
1	ESM001	<5
2	ESM002	5

**QC DATA:**

**Repeat:**

1	ESM001	<5
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**Standard:**

OXE74	610
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NM/nw  
XLS/10

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



Stewart Group  
 ECO TECH LABORATORY LTD.  
 10041 Dallas Drive  
 KAMLOOPS, B.C.  
 V2C 6T4

ICP CERTIFICATE OF ANALYSIS AW 2010-

Cathro Resources Corp  
 528 Braemar Dr  
 Kamloops, BC  
 V1S 1H8

Phone: 250-573-5700  
 Fax : 250-573-4557

No. of samples received: 2  
 Sample Type: Soil  
 Project: Elko  
 Shipment #: 1  
 Submitted by: Mike Cathro

Values in ppm unless otherwise reported

El.#.	Tag #	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Tl	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	
1	ESM001	0.3	1.11	16.5	83.5	0.54	0.04	0.40	24.8	14.5	80.5	3.46	3.5	55	0.07	14.5	0.31	3026	8.95	0.036	38.6	1071	34.85	0.08	2.64	1.0	1.6	39.5	0.18	2.3	0.004	0.12	3.3	18	0.2	118.2
2	ESM002	0.6	1.38	15.9	137.5	0.38	0.81	0.63	16.9	28.0	189.0	4.06	4.9	115	0.22	21.0	0.48	1339	12.19	0.049	53.1	5977	26.60	0.18	2.82	0.8	3.8	138.5	0.32	0.6	0.011	0.28	12.1	84	0.2	181.3


QC DATA:

Repeat: 1 ESM001 0.3 1.07 16.1 77.0 0.48 0.04 0.46 25.0 12.0 81.7 3.52 3.4 55 0.07 14.0 0.29 3027 8.53 0.037 33.8 1065 31.94 0.08 2.50 1.0 1.5 37.0 0.12 2.1 0.004 0.12 3.1 18 0.2 127.6

Standard:

Till-3 1.6 1.06 84.9 38.0 0.26 0.54 0.08 10.7 64.0 21.1 1.90 4.3 100 0.05 13.5 0.59 300 0.63 0.040 31.9 429 17.24 0.02 0.50 4.1 0.5 15.5 0.02 2.3 0.060 0.06 1.0 38 0.2 36.9

Aqua Regia Digest/ICPMS Finish

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

NM/nw  
 df/ms:8087AusSmrFE102038S  
 XLS/10

Elko Soils

No. of samples received: 50  
Sample Type: Soil  
Project: **Elko**  
Submitted by: Mike Cathro

Values in ppm unless otherwise reported

Table with columns: Et #, Tag #, Au (ppb), Ag (ppm), Al (%), As (ppm), Ba (ppm), Bi (ppm), Ca (%), Cd (ppm), Co (ppm), Cr (ppm), Cu (ppm), Fe (%), Ga (ppm), Hg (ppb), K (%), La (ppm), Mg (%), Mn (ppm), Mo (ppm), Na (%), Ni (ppm), P (ppm), Pb (ppm), S (%), Sb (ppm), Sc (ppm), Se (ppm), Sr (ppm), Te (ppm), Th (ppm), Tl (%), Tl (ppm), U (ppm), V (ppm), W (ppm), Zn (ppm). Rows 1-30 contain analytical data for various elements.

