

096187



ASSESSMENT REPORT  
ON THE  
GEOCHEMICAL SURVEY  
OF THE CAR CLAIM GROUP  
(CAR 1-12, 23-24, 42-49, 52-53, 57-60)

During 2011

Stewart River Junction  
131° 53'W 64°06'N  
Mayo Mining District  
NTS 106D-01

Cantex Mine Development Corp

Chad Ulansky  
2012 02 07

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## **1.0 Summary**

Cantex Mine Development Corp staked a contiguous block of 28 Quartz claims located on map 106 B04 in the vicinity of the Stewart River junction in February of 2011. A summer field program was undertaken to examine the potential of the claims area to host gold mineralization. A geochemical survey consisting of heavy mineral and talus sampling was completed.

## **2.0 Introduction**

### **2.1 Location and Access**

The claim group consists of 28 contiguous Quartz claims. These claims are located near the Stewart River junction, 170 kilometers east of the town of Elsa and 220 kilometers north of the town of Faro. The claims are remote and the only means of access is by helicopter.

The property was accessed on July 10<sup>th</sup> and from July 23 to 25 using a Bell 206 L4 Longranger.

### **2.2 Previous Work**

The company is not aware of any significant previous work completed within the claims area.

### **2.3 Personnel and Logistics**

The 2010 program on the claim block was based from a fly camp at Ortel Lake located approximately 50 kilometers to the west.

Communications included VHF radios between sampling technicians on the ground and the helicopter and an Iridium satellite phone for emergency contact.

The camp was supported by fixed wing float planes supplied by Black Sheep Aviation based in Mayo.

Table 2.3 List of Personnel

<b>Name</b>	<b>Position</b>	<b>Company</b>	<b>Field Period</b>
Chad Ulansky	Project Manager	Cantex Mine Development Corp	Jun 26 to Jul 8 Aug 1 to 12
Arnold Bauslaugh	Project Manager	Kelex Development	Jun 25 to Aug 6
Graham Janson	Geologist	Consultant	Jun 22 to Aug 12
Dan Sullivan	Technician	Consultant	Jun 24 to Aug 9
Luke Grasby	Technician	Kelex Development	Jun 24 to Aug 12
Brian Hawes	Technician	Kelex Development	Jun 24 to Aug 12
Kirk Rosk	Technician	Kelex Development	Jul 15 to Aug 9
Colin Barthel	Technician	Aggressive Drilling	Jun 22 to Aug 12
Patrick King	Technician	Kelex Development	Jun 27 to Aug 9
Mike King	Pilot	Fireweed Helicopters	Jun 26 to Aug 9
Charles Richardson	Cook	Kelex Development	Jun 24 to Aug 12
Les Rolston	Pilot	Fireweed Helicopters	Jun 26 to Aug 9

All samples were flown to Ortell Lake by helicopter where they were stored until Black Sheep Aviation flew them to Mayo. In Mayo the samples were stored at a secure local warehouse until the end of the program when they were loaded into sealed megabags and shipped by truck to CF Minerals Research Ltd in Kelowna, BC, Canada.

### **3 Geological Setting**

#### **3.1 Bedrock Geology**

The exploration area occurs within the Omineca morphogeological belt of east-central Yukon. The claims are underlain by a sequence of variably

metamorphosed sedimentary rocks deposited on the ancient North American craton margin between 300Ma and 1,000Ma BP.

The sediments were deposited in the Selwyn Basin. Black shales and cherts were deposited in deeper waters while the rarer carbonate rocks were deposited in a shallower environment. (Hart, nd; Monger, 1989; Wheeler and McFeely, 1991; Wheeler et al, 1991).

As this region was beyond the extent of the northward extending glaciation there is typically extensive soil development. Geochemical anomalies detected in such an environment are likely to be of local provenance.

## **4 Field Work**

### **4.1 Geochemical Sampling**

Due to the limited drainage network within the claim block only a single heavy mineral sample was collected from the claims area. Additional samples on the drainage are not required at this stage of exploration due to the low detection limits of the heavy mineral technique.

To provide detailed coverage of the claims area a line of talus sampling was undertaken.

#### **4.1.1 Heavy Mineral Sampling**

Cantex has developed expertise in heavy mineral sampling techniques targeting gold mineralization. The successful application of these techniques has been demonstrated in exploration programs in both Nevada, USA and the Republic of Yemen.

Successful sampling requires a systematic approach which accounts for local variations in geology, geomorphology, climate and target properties. Using the proprietary techniques developed by CF Mineral Research, minerals considered pathfinders for gold mineralization are concentrated to for subsequent analysis.

Evaluation of the results allows the company to focus its time and assets on exploring areas of potential economic significance.

Sampling procedures utilized for the heavy mineral sampling program were as follows:

- Sample locations were chosen prior to the field program by senior technical staff. These were then digitized and plotted on topographic maps at a suitable scale for field operations. The sample sites were located based on the following factors:
  - Historical data available in the public domain
  - The drainage network
  - Claim locations
- During field operations technicians were transported to the field by helicopter. After completing a sample the technician would be moved to the next proposed location by helicopter.
- The technician chose the specific sample site once the local conditions were evaluated at the digitized location. The technicians selected a site where heavy minerals would naturally be concentrated.
- Once the specific site was selected a 10 kilogram sample of sediments sieved to -20 mesh was collected. The site was then plotted on the field map and the coordinates saved in a handheld GPS. Field maps and GPS coordinates were collected at the end of each day.
- At the end of each day the collected samples were transported to the base of operations by helicopter and then stored in a secure location. At the end of the program the samples were shipped in sealed magabags to Kelowna, BC for processing.

#### 4.1.2 Talus sampling

Detailed geochemical evaluation of the claim group was conducted using talus sampling. Lines of samples were collected perpendicular to slope near the slope break where the hillside met the flood plain. The objective of the sampling was to establish whether gold mineralization was located up slope.

Sampling procedures utilized for the talus sampling program were as follows:

- Sample locations were chosen prior to the field program by senior technical staff. These were then digitized and plotted on topographic maps at a suitable scale for field operations. The sample sites were located based on the following factors:
  - Topography

- Claim locations
- During field operations technicians were transported to the field by helicopter. The technicians traversed from sample site to sample site on the ground.
- The technician chose the specific sample site once the local conditions were evaluated at the digitized location. The technicians selected a site where talus sourced locally from upslope was present.
- If conditions were suitable the talus was sieved and -6 mesh material was collected for analysis. If conditions were not suitable angular material was hand picked for analysis.
- Samples were collected every 50 meters.
- Every fourth sample on the line was 10kg, intervening samples were 3kg
- The site was then plotted on the field map and the coordinates saved in a handheld GPS. Field maps and GPS coordinates were collected at the end of each day.
- At the end of each day the collected samples were transported to the base of operations by helicopter and then stored in a secure location. At the end of the program the samples were shipped in sealed magabags to Kelowna, BC for processing.
- 113 samples were collected as a part of this program

## **5 Sample Processing**

### **5.1 Heavy Mineral Sample Processing**

#### **Heavy Mineral Stream Samples**

The till samples are washed and wet sieved in a multi-stage jig to obtain -20 +35, -35 +60 and -60 mesh fraction samples, followed by drying and re-sieving of the same size fractions.

Various density and magnetic separation techniques are used to prepare the heavy mineral concentrates. The minerals of interest include: arsenopyrite and its weathering products scorodite and goethite; stibnite and its weathering product stibiconite; realgar, galkhaite, cinnabar and pyrite.

Once the samples are reduced to the size, density and magnetic fraction required for analysis the procedure is as follows:

- A heavy liquid separation was carried out using the desired fraction. The heavy liquids used are tetrabromoethane (TBE, SG = 2.9 g/cm<sup>3</sup>), followed by methylene iodide (MI, SG = 3.09 to 3.20 g/cm<sup>3</sup>). The final product of the heavy liquid separation is the desired fraction split into light (SG < 2.9 g/cm<sup>3</sup>), intermediate (2.9 g/cm<sup>3</sup> < SG < 3.2 g/cm<sup>3</sup>), and heavy portions (SG > 3.2 g/cm<sup>3</sup>).
- Magnetic Separation (3 to 4 stages at various magnetic intensities) using a Franz separator to yield fractions with the desired magnetic properties.
- -20+32 HP (Heavy Paramagnetic) and -60 HN (Heavy Nonmagnetic) fractions were prepared for assay.
- The -20+32 HP fraction was digested using a sodium peroxide fusion with a ICPMS finish. The concentrations of 57 elements were determined.
- The -60 HN fraction was assayed using INAA for 34 elements.

## 5.2 Talus Sample Processing

Talus samples that were sieved in the field were processed in the same fashion as the heavy mineral samples discussed above. The talus samples that were not sieved in the field have yet to be processed.

## 6 Results

### 6.1 Heavy Mineral Sample Results

The results of the heavy mineral samples collected from the claims are presented in Appendix 2. Locations of the heavy mineral samples are presented on the maps contained in Appendix 3 and in tabular form in Appendix 1.

### 6.2 Talus Sample Results

Processing of the talus samples is currently underway. Results are not yet available.

## **7 Conclusions and Recommendations**

The result of the heavy mineral stream sample is elevated in arsenic, suggesting that there is potential for the claim block to host gold mineralization. Once the results are available from the talus samples the potential of sub areas within the block can be determined.

Forthcoming results of the talus samples will guide future work on the claim block.

## **8 Exploration Expenditures**

The work undertaken on the claim group was a part of a much larger regional exploration program. As such the work on the claims benefited significantly from economies of scale. Mobilization, camp set-up, equipment, shipping, logistical support and planning were far cheaper than if the work program had occurred in isolation.

The field collection costs are the pro-rata share of the total program's costs. The costs associated with the collection of the single heavy mineral sample and the 113 talus samples were \$62,195.27. A breakdown of this amount is presented in the following table.

Note that the final processing costs are not available at the time of writing and are thus not included in the above costs. Compilation, drafting and reporting costs total \$1,100. Thus the expenditures on the claim group were \$63,295.27.

Table 8.1 Claim Group Share of Program Costs

Category	Program Cost	Claim Group Cost
Aircraft Field Transport - Fixed Wing	108,120.00	5,324.27
Aircraft Field Transport - Helicopter	684,504.90	33,707.80
Camp and Field Supplies	59,256.76	2,918.04
Consulting Fees	66,824.88	3,290.73
Drilling	-	-
Freight and Sample Shipments	17,524.61	862.98
Equipment Rental	9,306.60	458.29
Fuel	122,967.02	6,055.40
Insurance, Legal, etc	-	-
Mapping/ Data Management	10,482.50	516.20
Lab Processing	-	-
Staking & Claims fees	-	-
Repairs & Mtnce	4,173.38	205.51
Personnel & Labour	132,493.75	6,524.53
Telecommunications	4,034.42	198.67
Travel & Accomodations	43,311.54	2,132.84
<b>Total</b>	<b>\$ 1,263,000.36</b>	<b>\$ 62,195.27</b>

## 9 References

**Hart, C. (nd)** The Geological Framework of the Yukon Territory. Yukon Department of Energy, Mines and Resources website.

[www.geology.gov.yk.ca/publications/summaries/quaternary.html](http://www.geology.gov.yk.ca/publications/summaries/quaternary.html)

**Monger, J.W.H. (1989)** Overview of Cordilleran Geology; Chapter 2: *In*: B.D. Ricketts, (ed.). Western Canadian Sedimentary Basin; Canadian Society of Petroleum Geologists, 9-32.

**Wheeler, J.O. and McFeely, P. (1991)** Tectonic Assemblage Map of the Canadian Cordillera. Geological Survey of Canada Map 1712A, 1:2 000 000 scale with legend.

**Wheeler, J.O., Brookfield, A.J., Gabrielse, H., Monger, J.W.H., Tipper, H.W. and Woodsworth, G.J. (1991)** Terrane Map of the Canadian Cordillera. Geological Survey of Canada Map 1713, 1:2 000 000 scale with legend.

## **Appendix 1: Sample Coordinates**

NAD27 Canada

Sample Name	Latitude (dd.ddd)	Longitude (dd.ddd)	Elevation (ft)
KA1420S	64.08702	-131.8905	2833
KA2534Ta	64.12989	-131.8999	5355
KA2535Ta	64.1294	-131.9	5317
KA2536Ta	64.12899	-131.8999	5293
KA2537Ta	64.12852	-131.9001	5241
KA2538Ta	64.12816	-131.9003	5177
KA2539Ta	64.12766	-131.9002	5111
KA2540Ta	64.12718	-131.9002	5018
KA2541Ta	64.12678	-131.9002	4918
KA2542Ta	64.12627	-131.9004	4795
KA2543Ta	64.12589	-131.9004	4694
KA2544Ta	64.12546	-131.9004	4589
KA2545Ta	64.12499	-131.9006	4462
KA2546Ta	64.12424	-131.9008	4318
KA2547Ta	64.12399	-131.9008	4247
KA2548Ta	64.12335	-131.9001	4075
KA2549Ta	64.12251	-131.9005	4119
KA2550Ta	64.12207	-131.9006	4101
KA2551TA	64.10121	-131.9019	3270
KA2552TA	64.10136	-131.9008	3285
KA2553TA	64.10134	-131.8998	3303
KA2554TA	64.10146	-131.8988	3275
KA2555TA	64.10143	-131.898	3258
KA2556TA	64.10152	-131.8967	3216
KA2557TA	64.10161	-131.8959	3224
KA2558TA	64.10157	-131.8948	3228
KA2559TA	64.10159	-131.8937	3243
KA2560TA	64.10162	-131.8929	3239
KA2561TA	64.10178	-131.8917	3259
KA2562TA	64.10185	-131.8908	3247
KA2563TA	64.1018	-131.8898	3228
KA2564TA	64.10186	-131.8887	3239
KA2565TA	64.10184	-131.8876	3236
KA2566TA	64.10185	-131.8868	3229
KA2567TA	64.10187	-131.8858	3239
KA2568TA	64.10198	-131.8844	3244
KA2569TA	64.10214	-131.8836	3249
KA2570TA	64.10215	-131.8826	3262
KA2571TA	64.10221	-131.8813	3277
KA2572TA	64.10234	-131.8804	3253
KA2573TA	64.10241	-131.8795	3247
KA2574TA	64.10219	-131.8783	3239
KA2575TA	64.10227	-131.8774	3222
KA2576Ta	64.12149	-131.9007	4096
KA2577Ta	64.12107	-131.9006	4071
KA2578Ta	64.12056	-131.9005	4104
KA2579Ta	64.11986	-131.9004	4039

KA2580Ta	64.11952	-131.9011	3928
KA2581Ta	64.11941	-131.8979	4261
KA2583Ta	64.11827	-131.898	4291
KA2584Ta	64.11765	-131.8976	4246
KA2585Ta	64.11717	-131.8978	4307
KA2586Ta	64.11665	-131.8977	4321
KA2587Ta	64.11628	-131.8976	4292
KA2588Ta	64.11585	-131.8973	4251
KA2589Ta	64.11538	-131.8968	4225
KA2590Ta	64.11494	-131.8966	4246
KA2591Ta	64.11466	-131.8966	4228
KA2592Ta	64.11392	-131.896	4265
KA2593Ta	64.11334	-131.8955	4263
KA2594Ta	64.11279	-131.8959	4216
KA2595Ta	64.11234	-131.8956	4192
KA2596Ta	64.11188	-131.895	4188
KA2597Ta	64.1114	-131.8947	4195
KA2598Ta	64.11077	-131.8948	4171
KA2599Ta	64.11026	-131.8949	4125
KA2600Ta	64.1098	-131.8948	4112
KA2626Ta	64.1093	-131.8953	4071
KA2627Ta	64.10874	-131.895	4035
KA2628Ta	64.10816	-131.8945	3978
KA2629Ta	64.108	-131.8932	4035
KA2630Ta	64.10815	-131.8921	4057
KA2631Ta	64.10996	-131.8911	4292
KA2632Ta	64.11008	-131.8897	4298
KA2633Ta	64.11056	-131.8879	4301
KA2634Ta	64.11087	-131.8858	4365
KA2635Ta	64.11119	-131.8845	4423
KA2636Ta	64.11172	-131.8832	4440
KA2637Ta	64.11237	-131.882	4380
KA2638Ta	64.11339	-131.881	4360
KA2639Ta	64.11476	-131.88	4319
KA2640Ta	64.11628	-131.8771	4253
KA2641Ta	64.11911	-131.8753	4284
KA2642Ta	64.11958	-131.8721	4386
KA2643Ta	64.11681	-131.8716	-777
KA2701Ta	64.10422	-131.8509	3125
KA2702Ta	64.10416	-131.85	3123
KA2703Ta	64.1044	-131.8491	3155
KA2705Ta	64.10421	-131.8468	3112
KA2726Ta	64.10245	-131.8768	3219
KA2727Ta	64.10248	-131.8753	3217
KA2728Ta	64.1024	-131.8744	3210
KA2729Ta	64.10509	-131.874	3408
KA2730Ta	64.10534	-131.8731	3396
KA2731Ta	64.10547	-131.8724	3403
KA2732Ta	64.10569	-131.8715	3407
KA2733Ta	64.1058	-131.8703	3417
KA2734Ta	64.10588	-131.8697	3399
KA2735Ta	64.10596	-131.8691	3406

KA2736Ta	64.10632	-131.8675	3421
KA2737Ta	64.1056	-131.8667	3340
KA2738Ta	64.10444	-131.8659	3252
KA2739Ta	64.10344	-131.8644	3222
KA2740Ta	64.10345	-131.8638	3221
KA2741Ta	64.10357	-131.8622	3218
KA2742Ta	64.10368	-131.8609	3201
KA2743Ta	64.10386	-131.8598	3197
KA2744Ta	64.1041	-131.8587	3191
KA2745Ta	64.10424	-131.8572	3153
KA2746Ta	64.10433	-131.8563	3135
KA2747Ta	64.10416	-131.8551	3121
KA2748Ta	64.10424	-131.8541	3128
KA2749Ta	64.10422	-131.8529	3119
KA2750Ta	64.10424	-131.8521	3121

## **Appendix 2: Sample Results**

Sodium peroxide fusion/ICPMS

C.F. Mineral Research Ltd.  
Certificate: XW11LB02P22015

12-Jan-2012  
File: 5102P2UT.PRN

Batch	Smp. No.	Sample Name	Fraction	Weight g	Cu ppm	Ni ppm	Cr ppm	Co ppm	Se ppm	Zn ppm	Pb ppm	Ag ppm	Cd ppm	As ppm	Sn ppm	Sb ppm	Mo ppm	B ppm	Li ppm	Be ppm	V ppm
11+5171	1	KA0055	-20+32HP	.27	362	170	850	61	11	1370	28	-10	4	85	4	18	14	20	35	3	1330
11+5171	2	KA0056	-20+32HP	.27	249	180	180	82	6	1320	25	-10	5	33	4	8	5	-10	24	-3	1520
11+5171	3	KA0057	-20+32HP	.27	357	170	860	76	11	1380	30	-10	3	62	4	11	7	20	36	3	1100
11+5171	4	KA0058	-20+32HP	.27	359	150	450	67	15	1410	35	-10	3	104	14	18	11	10	27	-3	1430
11+5171	5	KA1420	-20+32HP	.08	307	20	170	10	31	1020	144	-10	-2	188	56	25	-1	170	29	8	344

Sodium peroxide fusion/ICPMS

C.F. Mineral Research Ltd.  
Certificate: XW11LB02P22015

12-Jan-2012  
File: 5102P2UT.PRN

Batch	Smp. No.	Sample Name	Fraction	Weight g	Mn ppm	Ga ppm	Ge ppm	Rb ppm	Sr ppm	Y ppm	Nb ppm	In ppm	Te ppm	Cs ppm	Ba ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm
11+5171	1	KA0055	-20+32HP	.27	3470	15	11	20	130	48	51.4	-0	-6	1.8	476	21	48	6	26	8	3
11+5171	2	KA0056	-20+32HP	.27	4270	16	9	9	224	44	58.3	-0	-6	.9	404	16	36	5	20	6	3
11+5171	3	KA0057	-20+32HP	.27	3640	16	11	20	126	53	54.4	-0	-6	2.4	480	21	45	6	26	8	3
11+5171	4	KA0058	-20+32HP	.27	3580	12	12	14	78	46	45.6	1	-6	1.3	460	11	27	4	17	6	2
11+5171	5	KA1420	-20+32HP	.08	135	58	119	47	512	1710	97.8	-0	-6	1.5	3910	4900	9370	1200	3600	603	111

Sodium peroxide fusion/ICPMS

C.F. Mineral Research Ltd.  
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12-Jan-2012  
File: 5102P2UT.PRN

Batch	Smp. No.	Sample Name	Fraction	Weight g	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Hf ppm	Ta ppm	W ppm	Tl ppm	Bi ppm	Th ppm	U ppm	Al %	Ca %
11+5171	1	KA0055	-20+32HP	.27	7	1.5	8	1.8	5	.8	4	-10	2	10	.2	4	9	5.1	4.82	5.28
11+5171	2	KA0056	-20+32HP	.27	6	1.3	8	1.7	5	.7	4	-10	2	-1	.1	-2	3	1.5	4.96	7.48
11+5171	3	KA0057	-20+32HP	.27	9	1.6	9	2.0	6	.9	5	-10	2	-1	.2	-2	6	3.6	4.99	5.21
11+5171	4	KA0058	-20+32HP	.27	7	1.3	8	1.8	5	.7	4	-10	2	4	.2	-2	5	3.7	3.55	5.08
11+5171	5	KA1420	-20+32HP	.08	384	58.8	299	60.5	184	28.6	185	790	19	16	.3	2	518	217.0	3.43	6.43

Sodium peroxide fusion/ICPMS

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12-Jan-2012  
File: S102P2UT.PRN

Batch	Smp. No.	Sample Name	Fraction	Weight g	Fe %	K %	Mg %	P %	S %	Si %	Ti %	Comments
11+5171	1	KA0055	-20+32HP	.27	23.90	.30	1.73	.25	.09	12.30	6.92	
11+5171	2	KA0056	-20+32HP	.27	18.00	.20	2.37	.09	.09	14.60	8.78	
11+5171	3	KA0057	-20+32HP	.27	22.90	.30	1.98	.18	.09	12.70	6.80	
11+5171	4	KA0058	-20+32HP	.27	27.70	.20	1.76	.19	.18	10.60	6.74	
11+5171	5	KA1420	-20+32HP	.08	2.07	.90	.38	.77	.89	11.70	14.50	

Batch	Smp.		Fraction	Mass g	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni
	No.	Sample Name			ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	%	ppm
11+5171	1	KA0055	-20+32HP	11.97	-9	-5	74	-200	187	5.00	48	579	-2	20.30	6.0	-5	-50	-20	.38	-200
11+5171	1	KA0055	-60HN	1.84	4720	-12	-3	16000	108	-6.00	-5	203	-3	3.29	95.0	-5	-50	-20	.81	-510
11+5171	2	KA0056	-20+32HP	13.79	-14	-9	42	1200	245	11.00	82	1090	-2	20.20	5.0	-5	-50	-20	.57	-200
11+5171	2	KA0056	-60HN	2.50	42	-8	21	55000	109	-4.00	16	223	-2	2.87	215.0	-5	-50	-20	.80	-328
11+5171	3	KA0057	-20+32HP	4.45	-18	-9	122	-220	299	8.00	70	788	-2	25.90	5.0	-5	-50	-20	.44	-200
11+5171	3	KA0057	-60HN	.70	30	-21	-6	17000	151	-9.00	-5	272	9	4.68	170.0	-8	-50	-20	1.04	-826
11+5171	4	KA0058	-20+32HP	18.94	47	-7	66	-200	388	9.00	61	700	-2	29.70	5.0	-5	-50	-20	.47	-200
11+5171	4	KA0058	-60HN	1.53	220	-14	22	51000	133	-7.00	-5	238	-4	3.29	155.0	-6	-50	-20	.70	-602
11+5171	5	KA1420	-20+32HP	.08	-56	-29	812	-940	1110	-15.00	329	-28	-8	55.70	-3.0	-10	-50	170	-.05	-993
11+5171	5	KA1420	-60HN	.50	226	-42	-11	-1400	-13	-18.00	-14	399	-11	-5.5	1700.0	-17	-110	-20	-.05	-1650

Batch	Smp. No.	Sample Name	Fraction	Mass g	Rb	Sb	Sc	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb
					ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
11+5171	1	KA0055	-20+32HP	11.97	-50	19	29	-20	-0.20	6	4.0	-0.9	-4	946	16	48	-10	5	2	-2.0	4
11+5171	1	KA0055	-60HN	1.84	-50	5	28	-20	-0.20	-4	128.0	-3.0	-7	516	2410	3860	1550	298	60	-2.0	15
11+5171	2	KA0056	-20+32HP	13.79	-50	7	43	-20	-0.20	-1	4.1	-1.4	-4	1590	23	45	52	7	3	-2.0	4
11+5171	2	KA0056	-60HN	2.50	-50	5	24	57	-0.20	-3	94.6	23.5	-5	475	1330	2080	798	148	34	8.0	20
11+5171	3	KA0057	-20+32HP	4.45	-50	21	39	-20	-0.20	-2	11.0	-1.9	-5	2160	30	69	-11	10	3	-2.0	6
11+5171	3	KA0057	-60HN	.70	-94	5	32	-23	-0.20	-7	171.0	23.3	-12	-208	2680	4580	1880	354	78	-2.0	17
11+5171	4	KA0058	-20+32HP	18.94	-50	22	32	-20	-0.20	3	3.3	-1.2	-4	1220	18	-3	-10	7	2	-2.0	5
11+5171	4	KA0058	-60HN	1.53	-68	4	27	-20	-0.20	-5	161.0	31.4	-9	-200	2890	4560	1720	347	70	20.0	14
11+5171	5	KA1420	-20+32HP	.08	-122	120	21	-22	-0.20	-7	77.8	-6.3	-15	3690	686	1480	495	88	12	-2.0	-1
11+5171	5	KA1420	-60HN	.50	-182	24	140	-61	-0.30	-14	661.0	227.0	-25	-427	7430	10000	4360	749	152	79.0	203

Batch	Smp. No.	Sample Name	Fraction	Typ	Weight		Code	Lu	Comment
					g	g			
11+5171	1	KA0055	-20+32HP	N	11.97	11.97	KC01B	.47	
11+5171	1	KA0055	-60HN	N	1.84	1.84	KC01C	2.40	
11+5171	2	KA0056	-20+32HP	N	13.79	13.79	KC02B	.51	
11+5171	2	KA0056	-60HN	N	2.50	2.50	KC02C	3.88	
11+5171	3	KA0057	-20+32HP	N	4.45	4.45	KC03B	.96	
11+5171	3	KA0057	-60HN	N	.70	.70	KC03C	3.31	
11+5171	4	KA0058	-20+32HP	N	18.94	18.94	KC04B	.47	
11+5171	4	KA0058	-60HN	N	1.53	1.53	KC04C	3.13	
11+5171	5	KA1420	-20+32HP	N	.08	.08	KC05B	-.19	
11+5171	5	KA1420	-60HN	N	.50	.50	KC05C	35.10	Ce>10000



## C.F. MINERAL RESEARCH LIMITED

1677 POWICK ROAD  
KELOWNA, BRITISH COLUMBIA  
CANADA V1X 4L1

TEL (250) 860-8525  
FAX (250) 862-9435  
lab@cfmresearch.com

Client: Cantex Mine Development Corp.  
Suite 203 – 1634 Harvey Avenue  
Kelowna, B.C. V1Y 6G2

### CERTIFICATE XW11LB02P22015

This certificate refers to a report of **10** geochemical analyses [by HMC/INAA and sodium peroxide fusion / ICPMS] and associated work carried out within C.F. Mineral Research Ltd. batches **11+5171(5)**. The report was completed on the **12 January 2012**.

All results apply to samples/fractions/grains as submitted and are considered to be the confidential property of the Client and supersede any preliminary report with this certificate number.

The certificate gives **Chad Ulansky** (the Client representative) full access to all cited results.

Signed by:  Dr. M.E. Whitehead

Date: 12 January 2012

**Appendix 3: Map of Claim Block**


# Selwyn Area Yukon Territory Canada

**CANTEX MINE DEVELOPMENT CORP.**


**SAMPLES**  
+ Samples Collected 2011

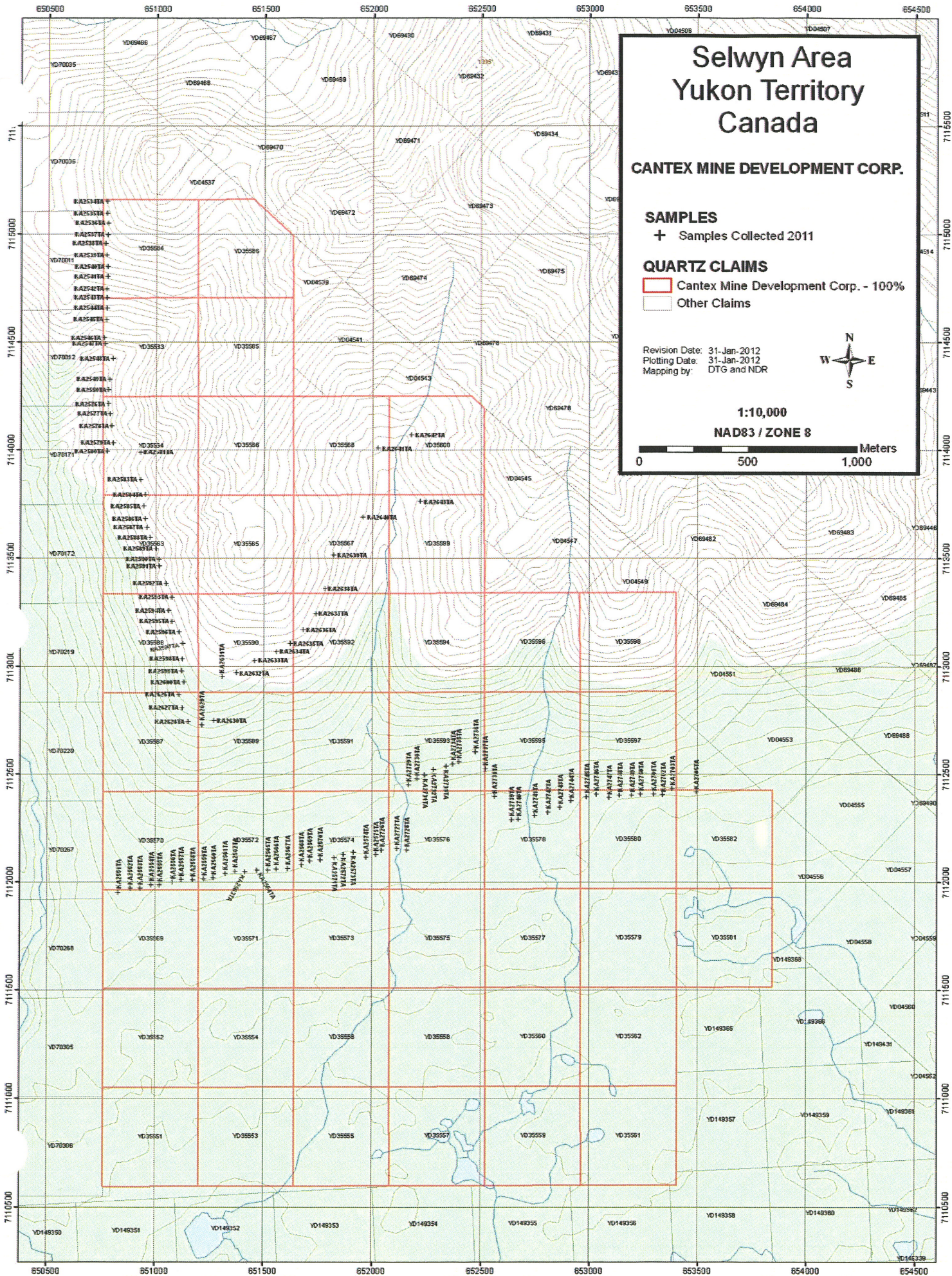
**QUARTZ CLAIMS**  
 Cantex Mine Development Corp. - 100%  
 Other Claims

Revision Date: 31-Jan-2012  
 Plotting Date: 31-Jan-2012  
 Mapping by: DTG and NDR



**1:10,000**  
**NAD83 / ZONE 8**







Office Use Only

QUARTZ MINING ACT FORM 12 SECTION 55  
**APPLICATION TO GROUP MINERAL CLAIMS**

MA-10 MINING DISTRICT

Office Date Stamp

I, (We) the undersigned owners or agent(s) of the owners of following mineral claims.  
(Additional sheets or an appendix may be used) (Claim names and grant numbers to be listed in sequence eg. TOM 1-40, YC10001 - YC10040)


GRANT NUMBER	CLAIM NAME	MAP SHEET
	(SEE ATTACHED APPENDIX)	

Give notice of intention to group the said claims for the performance of work and do hereby apply under the provisions of section 55 of the Quartz Mining Act for a certificate in form 6.

I (We) hereby certify that the above claims are adjoining as shown on the attached sketch

Dated at KELOWNA, BC

This 6<sup>th</sup> day of FEB, 2012

  
Applicant(s)

District	GrantNumber	RegType	ClaimName	ClaimNbr	Claim Owner	ClaimExpiryDate	NTS MapNumber	Ops Number
Mayo	YD22768	Quartz	Lin	1	Cantex Mine Development Corp	2/7/2012	106D01	1500192606
Mayo	YD22769	Quartz	Lin	2	Cantex Mine Development Corp	2/7/2012	106D01	1500192577
Mayo	YD22770	Quartz	Lin	3	Cantex Mine Development Corp	2/7/2012	106D01	1500192607
Mayo	YD22771	Quartz	Lin	4	Cantex Mine Development Corp	2/7/2012	106D01	1500192608
Mayo	YD22772	Quartz	Lin	5	Cantex Mine Development Corp	2/7/2012	106D01	1500192609
Mayo	YD22773	Quartz	Lin	6	Cantex Mine Development Corp	2/7/2012	106D01	1500192610
Mayo	YD22774	Quartz	Lin	7	Cantex Mine Development Corp	2/7/2012	106D01	1500192611
Mayo	YD22775	Quartz	Lin	8	Cantex Mine Development Corp	2/7/2012	106D01	1500192612
Mayo	YD22776	Quartz	Lin	9	Cantex Mine Development Corp	2/7/2012	106D01	1500192613
Mayo	YD22777	Quartz	Lin	10	Cantex Mine Development Corp	2/7/2012	106D01	1500192614
Mayo	YD22778	Quartz	Lin	11	Cantex Mine Development Corp	2/7/2012	106D01	1500192615
Mayo	YD22779	Quartz	Lin	12	Cantex Mine Development Corp	2/7/2012	106D01	1500192616
Mayo	YD22780	Quartz	Lin	13	Cantex Mine Development Corp	2/7/2012	106D01	1500192617
Mayo	YD22781	Quartz	Lin	14	Cantex Mine Development Corp	2/7/2012	106D01	1500192618
Mayo	YD22782	Quartz	Lin	15	Cantex Mine Development Corp	2/7/2012	106D01	1500192619
Mayo	YD22783	Quartz	Lin	16	Cantex Mine Development Corp	2/7/2012	106D01	1500192620
Mayo	YD22784	Quartz	Lin	17	Cantex Mine Development Corp	2/7/2012	106D01	1500192621
Mayo	YD22785	Quartz	Lin	18	Cantex Mine Development Corp	2/7/2012	106D01	1500192622
Mayo	YD22786	Quartz	Lin	19	Cantex Mine Development Corp	2/7/2012	106D01	1500192623
Mayo	YD22787	Quartz	Lin	20	Cantex Mine Development Corp	2/7/2012	106D01	1500192624
Mayo	YD22788	Quartz	Lin	21	Cantex Mine Development Corp	2/7/2012	106D01	1500192625
Mayo	YD35171	Quartz	Lin	22	Cantex Mine Development Corp	2/7/2012	106D01	1500192626
Mayo	YD35172	Quartz	Lin	23	Cantex Mine Development Corp	2/7/2012	106D01	1500192627
Mayo	YD35173	Quartz	Lin	24	Cantex Mine Development Corp	2/7/2012	106D01	1500192628
Mayo	YD35174	Quartz	Lin	25	Cantex Mine Development Corp	2/7/2012	106D01	1500192629
Mayo	YD35175	Quartz	Lin	26	Cantex Mine Development Corp	2/7/2012	106D01	1500192630
Mayo	YD35176	Quartz	Lin	27	Cantex Mine Development Corp	2/7/2012	106D01	1500192631
Mayo	YD35177	Quartz	Lin	28	Cantex Mine Development Corp	2/7/2012	106D01	1500192632
Mayo	YD35178	Quartz	Lin	29	Cantex Mine Development Corp	2/7/2012	106D01	1500192633
Mayo	YD35179	Quartz	Lin	30	Cantex Mine Development Corp	2/7/2012	106D01	1500192634
Mayo	YD35180	Quartz	Lin	31	Cantex Mine Development Corp	2/7/2012	106D01	1500192635
Mayo	YD35181	Quartz	Lin	32	Cantex Mine Development Corp	2/7/2012	106D01	1500192636
Mayo	YD35182	Quartz	Lin	33	Cantex Mine Development Corp	2/7/2012	106D01	1500192637
Mayo	YD35183	Quartz	Lin	34	Cantex Mine Development Corp	2/7/2012	106D01	1500192638
Mayo	YD35184	Quartz	Lin	35	Cantex Mine Development Corp	2/7/2012	106D01	1500192639
Mayo	YD35185	Quartz	Lin	36	Cantex Mine Development Corp	2/7/2012	106D01	1500192640
Mayo	YD35186	Quartz	Lin	37	Cantex Mine Development Corp	2/7/2012	106D01	1500192641
Mayo	YD35187	Quartz	Lin	38	Cantex Mine Development Corp	2/7/2012	106D01	1500192642
Mayo	YD35188	Quartz	Lin	39	Cantex Mine Development Corp	2/7/2012	106D01	1500192643
Mayo	YD35189	Quartz	Lin	40	Cantex Mine Development Corp	2/7/2012	106D01	1500192644
Mayo	YD35190	Quartz	Lin	41	Cantex Mine Development Corp	2/7/2012	106D01	1500192645
Mayo	YD35191	Quartz	Lin	42	Cantex Mine Development Corp	2/7/2012	106D01	1500192646
Mayo	YD35192	Quartz	Lin	43	Cantex Mine Development Corp	2/7/2012	106D01	1500192647
Mayo	YD35193	Quartz	Lin	44	Cantex Mine Development Corp	2/7/2012	106D01	1500192648
Mayo	YD35194	Quartz	Lin	45	Cantex Mine Development Corp	2/7/2012	106D01	1500192649
Mayo	YD35195	Quartz	Lin	46	Cantex Mine Development Corp	2/7/2012	106D01	1500192650
Mayo	YD35196	Quartz	Lin	47	Cantex Mine Development Corp	2/7/2012	106D01	1500192651
Mayo	YD35197	Quartz	Lin	48	Cantex Mine Development Corp	2/7/2012	106D01	1500192652

Total Claims      48

# Mount Westman Area Yukon Territory Canada

CANTEX MINE DEVELOPMENT CORP.

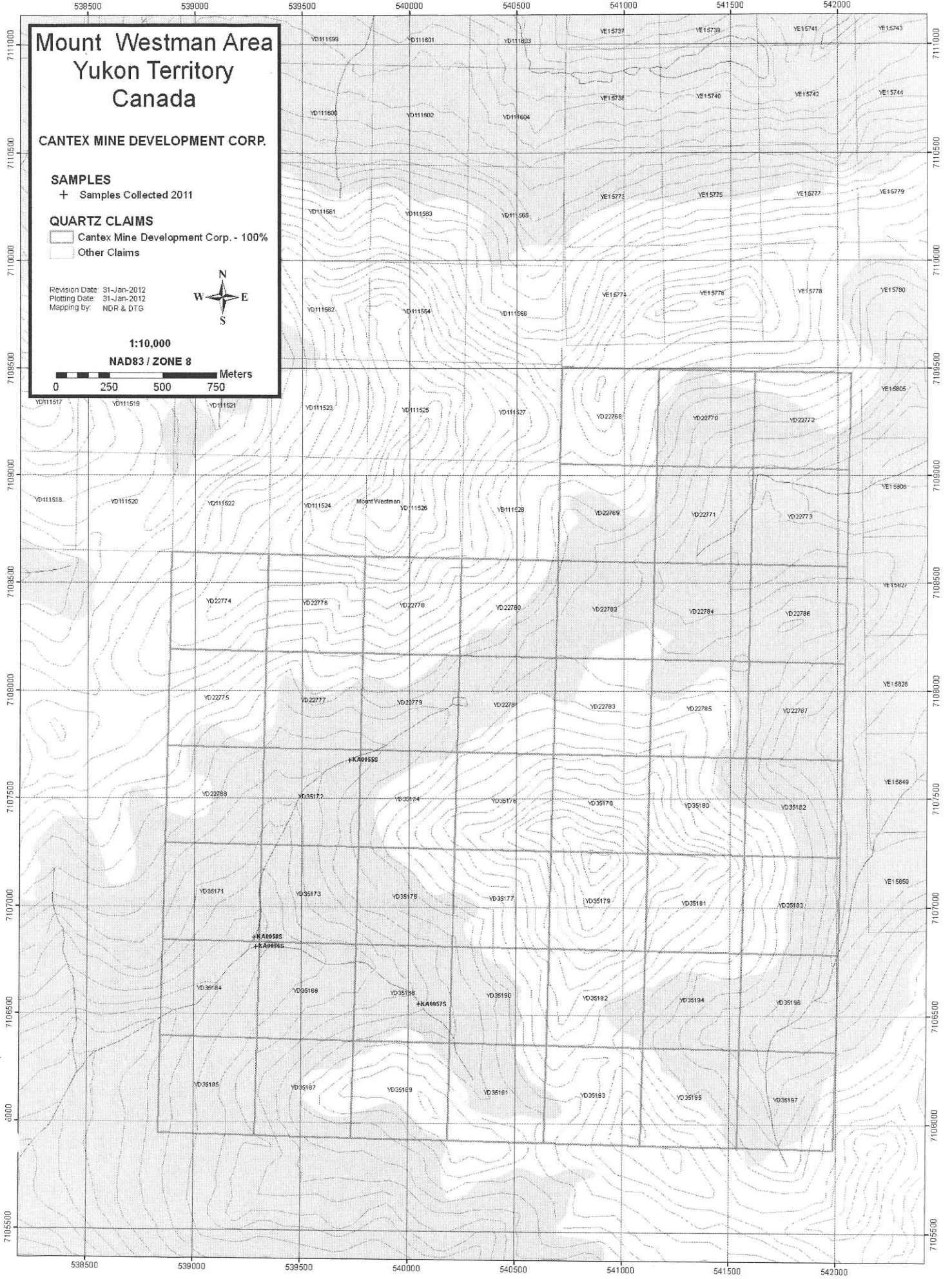
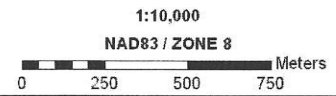
### SAMPLES

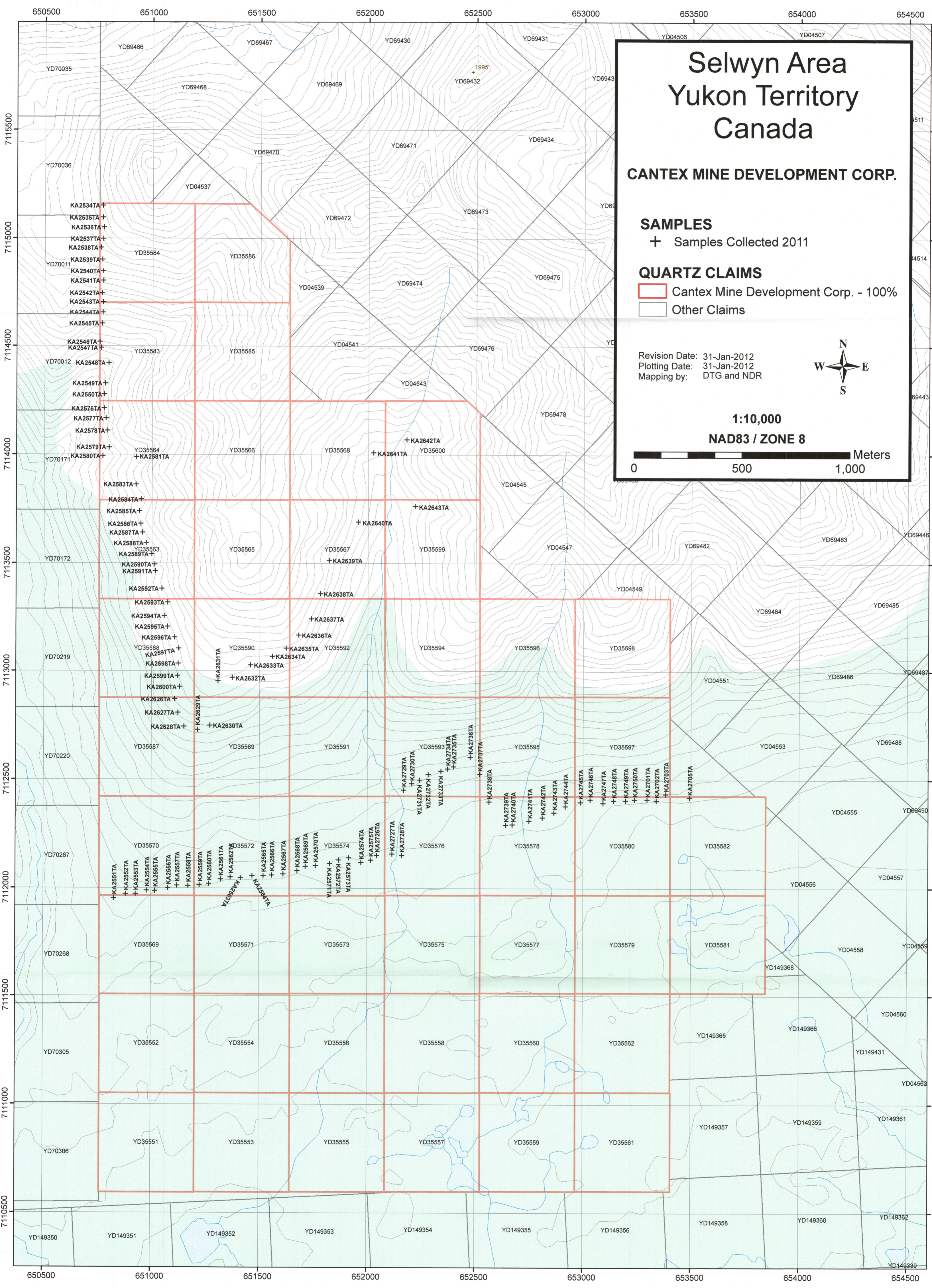
+ Samples Collected 2011

### QUARTZ CLAIMS

-  Cantex Mine Development Corp. - 100%
-  Other Claims

Revision Date: 31-Jan-2012  
Plotting Date: 31-Jan-2012  
Mapping by: NDR & DTG





# Selwyn Area Yukon Territory Canada

**CANTEX MINE DEVELOPMENT CORP.**

**SAMPLES**  
+ Samples Collected 2011

**QUARTZ CLAIMS**  
[Red Outline] Cantex Mine Development Corp. - 100%  
[White Outline] Other Claims

Revision Date: 31-Jan-2012  
Plotting Date: 31-Jan-2012  
Mapping by: DTG and NDR



**1:10,000**  
**NAD83 / ZONE 8**

