

**Assessment Report On
Geochemical Sampling On:**

**BC Geological Survey
Assessment Report
31395**

RED CLIFF EAST PROPERTY

**Located
24 kilometers northeast of
Stewart, British Columbia in
Skeena Mining Division
NTS 104A/4W**

**56° 06'30'' N LATITUDE
129° 53'10'' W LONGITUDE**

Event Number: 4430989

**On Behalf of
Nanika Resources Ltd
Vancouver, BC**

**Report by
Alojzy Walus, M.Sc., P. Geo.**

March 3, 2010

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INTRODUCTION

The 2009 geochemical program of soil, rock and silt sampling on Red Cliff East property was conducted by the author of this report on behalf of Nanika Resources.

The author prospected a large part of the property collecting 22 rock and 4 silt samples. In addition, a total of 155 soil samples from 3.3 kilometres of contour soil lines were collected by two soil samplers from Blue Bear Exploration of Smithers, BC under direct supervision of the author. All samples were sent to Assayers Canada Ltd. of Vancouver, B.C. for analysis.

Transportation to the property was done by driving a passenger vehicle from Stewart. Personnel stayed in a hotel in Stewart and acquired meals at the local restaurant. A complete list of sources used in this report is provided in references.

Sample locations are shown on the attached maps. Locations of the samples were determined using GPS. Descriptions of rock samples are given in Appendix I.

Property Location and Access

The property is situated in the lower part of the American Creek Valley extending 3 kilometres up the creek from its confluence with Bear River. The claim area is centered on 56° 06' 30'' N latitude and 129° 53' 10'' W longitude on NTS sheet 104 A/4. A map showing location of the claims printed from ARIS database is presented on the next page.

Access to the property is via Highway 37A from Stewart to the American Creek access road constructed by other exploration companies which bisects the middle of the property providing excellent access to the lower portions of the claims. Helicopter must be utilized to access higher areas of the property. A helicopter can be chartered a year round from Prism Helicopter base in Stewart.

Physiography, Topography and Climate

In general terms the property is typified by the precipitous slopes of the eastern Coast Mountains. Relief ranges from 150 m in the American Creek Valley to over 500 m near the western edge of the claim with a good portion of the property accessible on foot. Water supply is plentiful as many glacial run-off streams drain into American Creek and Bear River.

Vegetation varies from mature stands of western hemlock blue spruce and douglas fir at the lower elevations to alder higher on the slopes. On the steeper slopes where avalanches are a frequent occurrence only a combination of slide alder, mountain ash, huckleberry, stinging nettle and devil's club can exist.

The area receives heavy snowfall between the months of October and March with rainfall in the other months. Average precipitation is in the order of 250 centimeters of rainfall and 20 meters of snow. Due to the large snowfall, the surface exploration in the Stewart area is restricted to summer and early fall with the maximum rock exposure occurring in late August to October. However, the area of the confluence of American Creek and Bear River receives much less snow compare to surrounding areas.

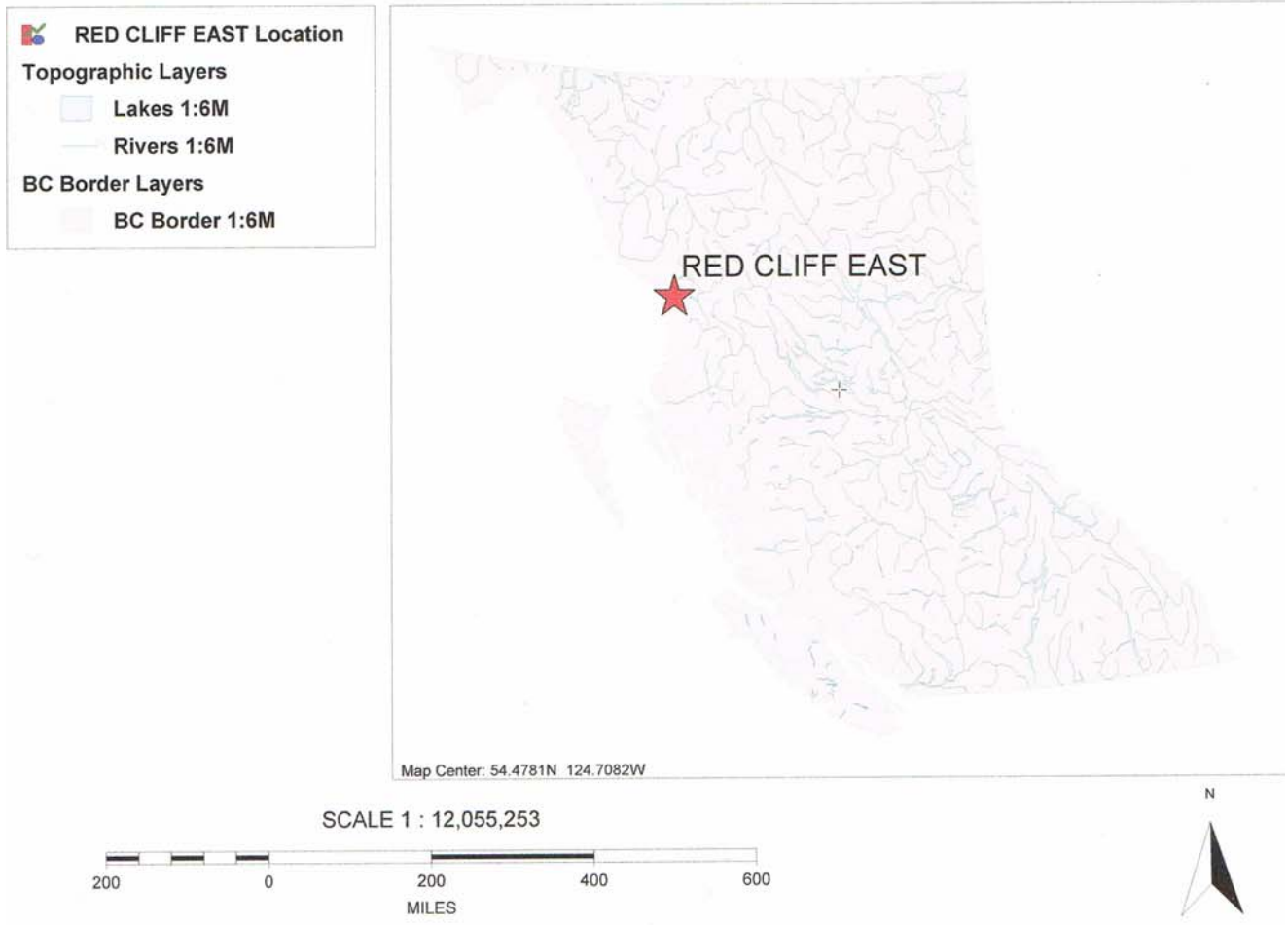
Property Ownership

The Read Cliff East property consists of ten mineral claims totaling 315.17 hectares located 24 kilometres northeast of Stewart, BC. Relevant claim information is summarized below:

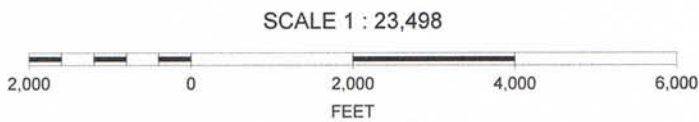
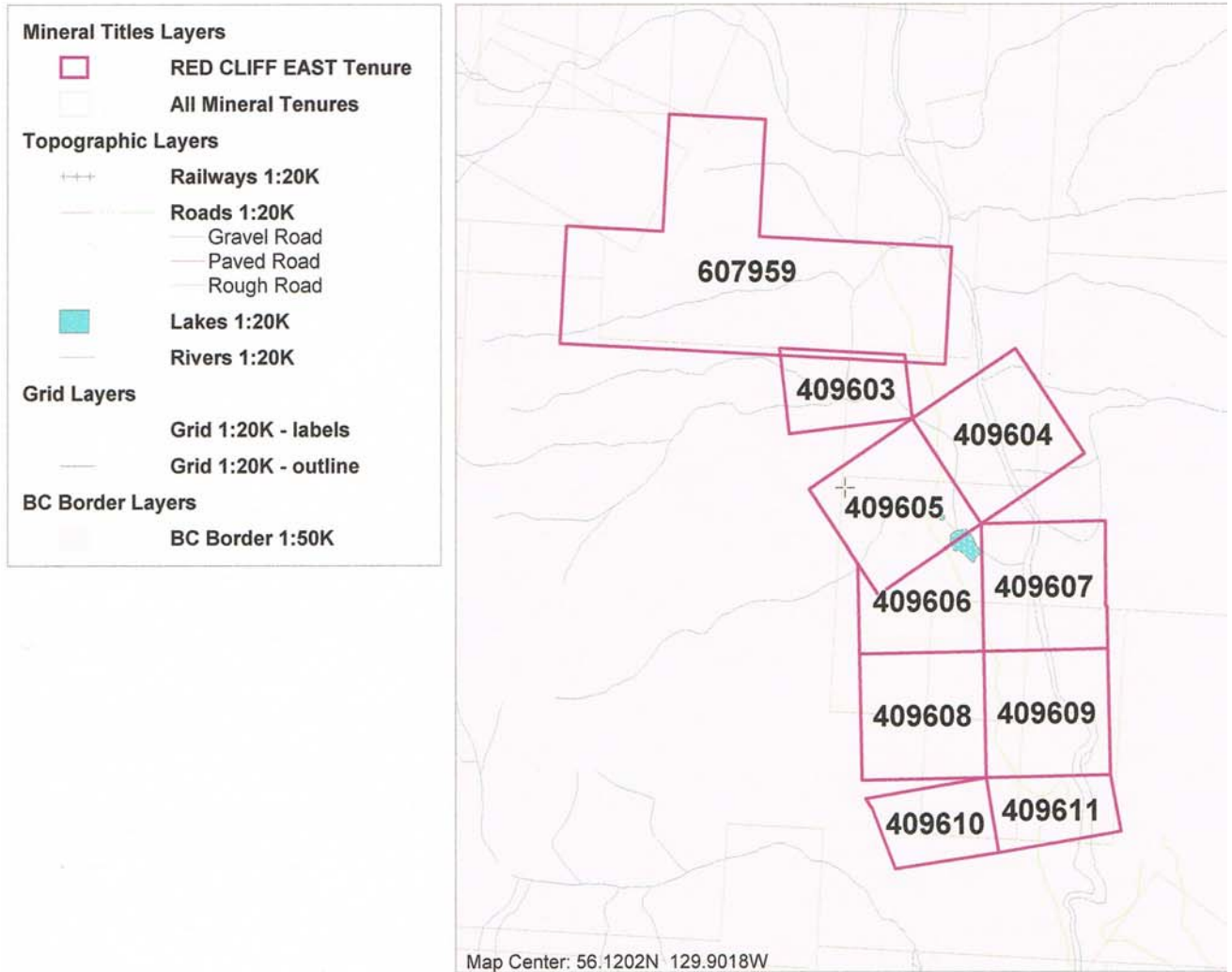
Tenure Number	Type	Claim Name	Good Until	Area (ha)
409603	Mineral	JOE DOG 5	2011/dec/20	25
409604	Mineral	JOE DOG 6	2011/dec/20	25
409605	Mineral	JOE DOG 7	2011/dec/20	25
409606	Mineral	JOE DOG 8	2011/dec/20	25
409607	Mineral	JOE DOG 9	2011/dec/20	25
409608	Mineral	JOE DOG 10	2011/dec/20	25
409609	Mineral	JOE DOG 11	2011/dec/20	25
409610	Mineral	JOE DOG 12	2011/dec/20	25
409611	Mineral	JOE DOG 13	2011/dec/20	25
607959	Mineral		2011/dec/20	90.17
				Total 315.17

The claims are presently 100 % owned by Nanika Resources of Vancouver, BC. Claims location and detailed claim map are shown below, printed from ARIS database.

ARIS MapBuilder



ARIS MapBuilder



Work History

There was not much work done on these claims before 2009. The only reported work on the Joe Dog mineral claims 5 to 13 was initiated in 2005 by the former claim owner Jim Marx. The work included a seismic refraction survey conducted by Geophysicist Mike Powers along the 455 metres of cut line. The survey was to determine the depth of the bedrock and to estimate the potential volume of the gravel deposited along American Creek.

GEOLOGY

Regional Geology

The Red Cliff East property lies along the eastern edge of the Coast Crystalline Complex within the western boundary of the Bowser Basin. Rocks in the area belong to the Mesozoic Stuhini Group, Hazelton Group and Bowser Lake Group that have been intruded by plugs of both Cenozoic and Mesozoic age. Portions of the Stewart area are underlain by Triassic age Stuhini Group (Greig, C.F, 1994). The Stuhini Group rocks are either underlying or in fault contact with the Hazelton Group. These Triassic age rocks consist of dark gray, laminated to thickly bedded silty mudstone, and fine to medium grained and locally coarse-grained sandstone. Local heterolithic pebble to cobble conglomerate, massive tuffaceous mudstone and thick-bedded sedimentary breccia and conglomerate also form part of the Stuhini Group.

At the base of the Hazelton Group is the lower Lower Jurassic Marine (submergent) and non-marine (emergent) volcanoclastic Unuk River Formation. This is overlain at steep discordant angles by a second, lithologically similar, middle Lower Jurassic volcanic cycle (Betty Creek Formation), in turn overlain by an upper Lower Jurassic tuff horizon (Mt. Dilworth Formation). Middle Jurassic non-marine sediments with minor volcanics of the Salmon River Formation unconformably overlie the above sequence.

The lower Lower Jurassic Unuk River Formation forms a north-northwesterly trending belt extending from Alice Arm to the Iskut River. It consists of green, red and purple volcanic breccia, volcanic conglomerate, sandstone and siltstone with minor crystal and lithic tuff, limestone, chert and minor coal. Also included in the sequence are pillow lavas and volcanic flows.

In the property area, the Unuk River Formation is unconformably overlain by middle Lower Jurassic rocks from the Betty Creek Formation. The Betty Creek Formation is another cycle of trough filling sub-marine pillow lavas, broken pillow breccias, andesitic and basaltic flows, green, red, purple and black volcanic breccia, with self erosional conglomerate, sandstone and siltstone and minor crystal and lithic tuffs, chert, limestone and lava.

The upper Lower Jurassic Mt. Dilworth Formation consists of a thin sequence varying from black carbonaceous tuffs to siliceous massive tuffs and felsic ash flows. Minor sediments and limestone are present in the sequence. Locally pyritic varieties form strong gossans.

The Middle Jurassic Salmon River Formation is a late to post volcanic episode of banded, predominantly dark colored siltstone, greywacke, sandstone, intercalated calcarenite rocks, minor limestone, argillite, conglomerate, littoral deposits, volcanic sediments and minor flows. Overlying the above sequences are the Upper Jurassic Bowser Lake Group rocks. These rocks mark the western edge of the Bowser Basin and are also located as remnants on mountaintops in the Stewart area. These rocks consist of dark gray to black clastic rocks including silty mudstone and thick beds of massive, dark green to dark gray, fine to medium grained arkosic litharenite.

According to E.W. Grove, the majority of the rocks from the Hazelton Group were derived from the erosion of andesitic volcanoes subsequently deposited as overlapping lenticular beds varying laterally in grain size from breccia to siltstone. Alldrick's work to the north of Stewart has shown several volcanic centers in the surveyed area. Lower Jurassic volcanic centers in the Unuk River Formation are located in the Big Missouri Premier area and in the Brucejack Lake area. Volcanic centers within the Lower Jurassic Betty Creek Formation are located in the Mitchell Glacier and Knipple Glacier areas.

The granodiorites of the Coast Plutonic Complex largely engulf the Mesozoic volcanic terrain to the west. East of these (in the property area), smaller intrusive plugs range from quartz monzonite to granite. Some are likely related to the late phase offshoots of the Coast plutonism, other is synvolcanic and Tertiary. Double plunging, northwesterly - trending synclinal folds of the Salmon River and underlying Betty Creek Formations dominate the structural setting of the area. These folds are locally disrupted by small east-over thrusts on strikes parallel to the major fold axis, cross-axis steep angled faults which locally turn beds, selective tectonization of tuff units and major northwest faults which turn beds.

Property Geology

The property area is underlain by volcanic and volcanoclastic rocks belonging to the Unuk River Formation of Lower Jurassic age. On the east side of American Creek, black argillites and/or tuffs are highly sheared and locally silicified. Rocks are exposed along an old logging road. Strike of the rocks appears to be north south with a steep dip to the west. On the west side of American Creek, the rocks are weakly sericite altered, green andesite tuffs with up to 5 % fine grained pyrite. Rocks are exposed along an exploration road extending up American Creek.

Although up to four periods of folding and five episodes of faulting have been identified in the Stewart Area, the overall structure of the property appears relatively simple. Faulting has played the major role with a series of north– south trending normal faults in the American Creek Valley. Perpendicular to these is a series of east – west trending faults in the vicinity of the property. The major structural feature of the property area is a north south anticline along the American Creek Valley. In general the bedding strikes are northerly subparallel to the valley sides.

American Creek is along a major north south fault zone with the shearing on the Silver Crown 6 showing being possible splays from the main structure.

Alteration and Mineralization

The most promising alteration-mineralization was found in several float samples collected in southeast corner of claim 409603. The samples feature green-black chloritic alteration with the accompanying pyrite and up to 2% chalcopyrite, similar to alteration-mineralization present in Decade's Montrose zone. The samples assayed up to 170 ppb gold, 126.3 ppm silver and up to 1.2 % copper. Further north, a small semiangular float of strongly silicified rock with 20-30% pyrite and minor galena collected in the eastern part of 607959 claim assayed 80 ppb gold, 82.7 g/t silver, 0.27% lead and 0.73% zinc.

The northwest corner of claim number 409609 features at least 200 metres long zone of silica-chlorite+/-sericite+/-carbonate+/-pyrite alteration. Nine samples collected from the zone did not record any anomalous values.

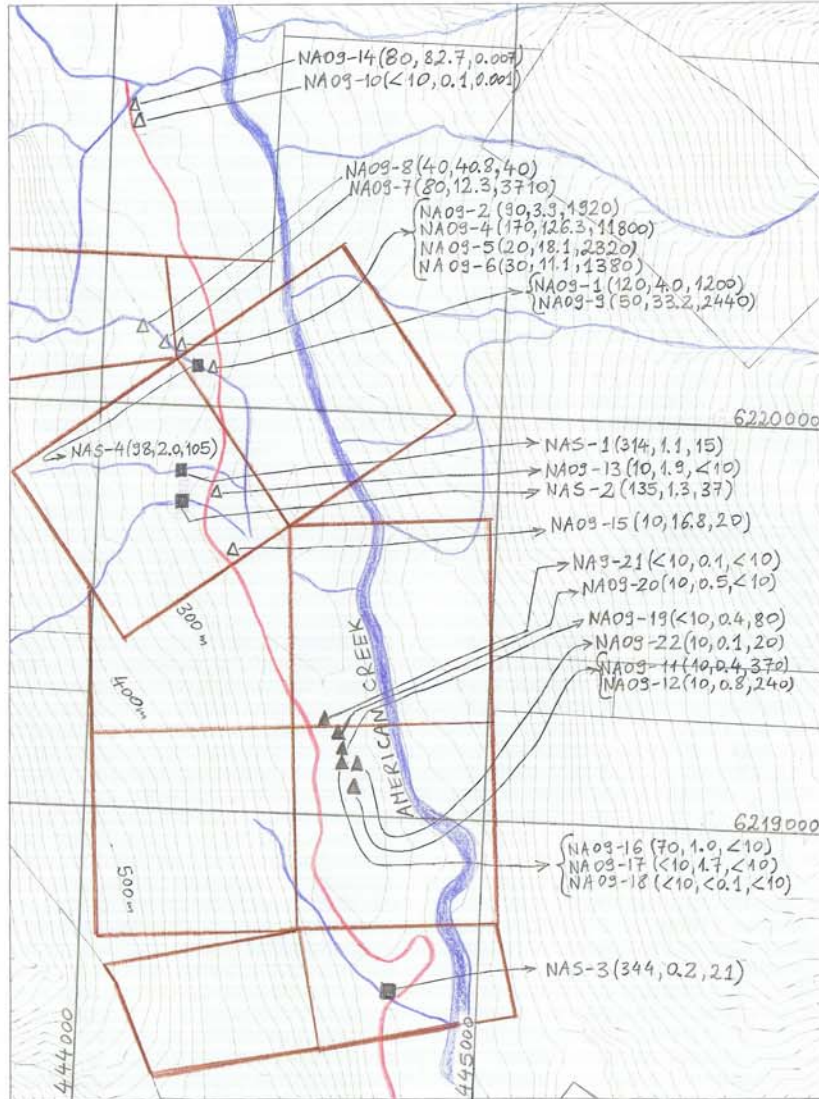
GEOCHEMISTRY

Geochemical results

During the 2009 geochemical program a total of 22 rock, 4 silt and 155 soil samples were collected. All samples were analyzed by Assayers Canada, in Vancouver, British Columbia. Rock samples were assayed for gold, silver, copper, lead and zinc. Silt samples were assayed for gold and 30 elements ICP. Soils were analyzed for 30 elements ICP. Rock and silt sample locations and their gold, silver and copper geochemistry are shown on page 10. Descriptions of rock samples are provided in Appendix I. Soil locations along with anomalous results in Ag, Cu, Pb and Zn are presented on page 11. Results for these metals of all soil samples are presented in a table shown on the same page.

Of the 22 rock samples collected during this program, 10 samples returned significant metal values with up to 170 ppb for gold, 126.3 g/t for silver, 1.18 % for copper , 0.73 % for zinc and 0.27 % for lead.

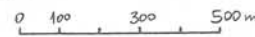
Four silt samples returned 314, 135, 344 and 98 ppb gold with silver values ranging from 0.2 to 2.0 ppm. Soil samples from a 250 meter long section of the soil contour line show silver values ranging from 3.2 to 11.9 ppm along with significant values in copper, lead and zinc.



LEGEND

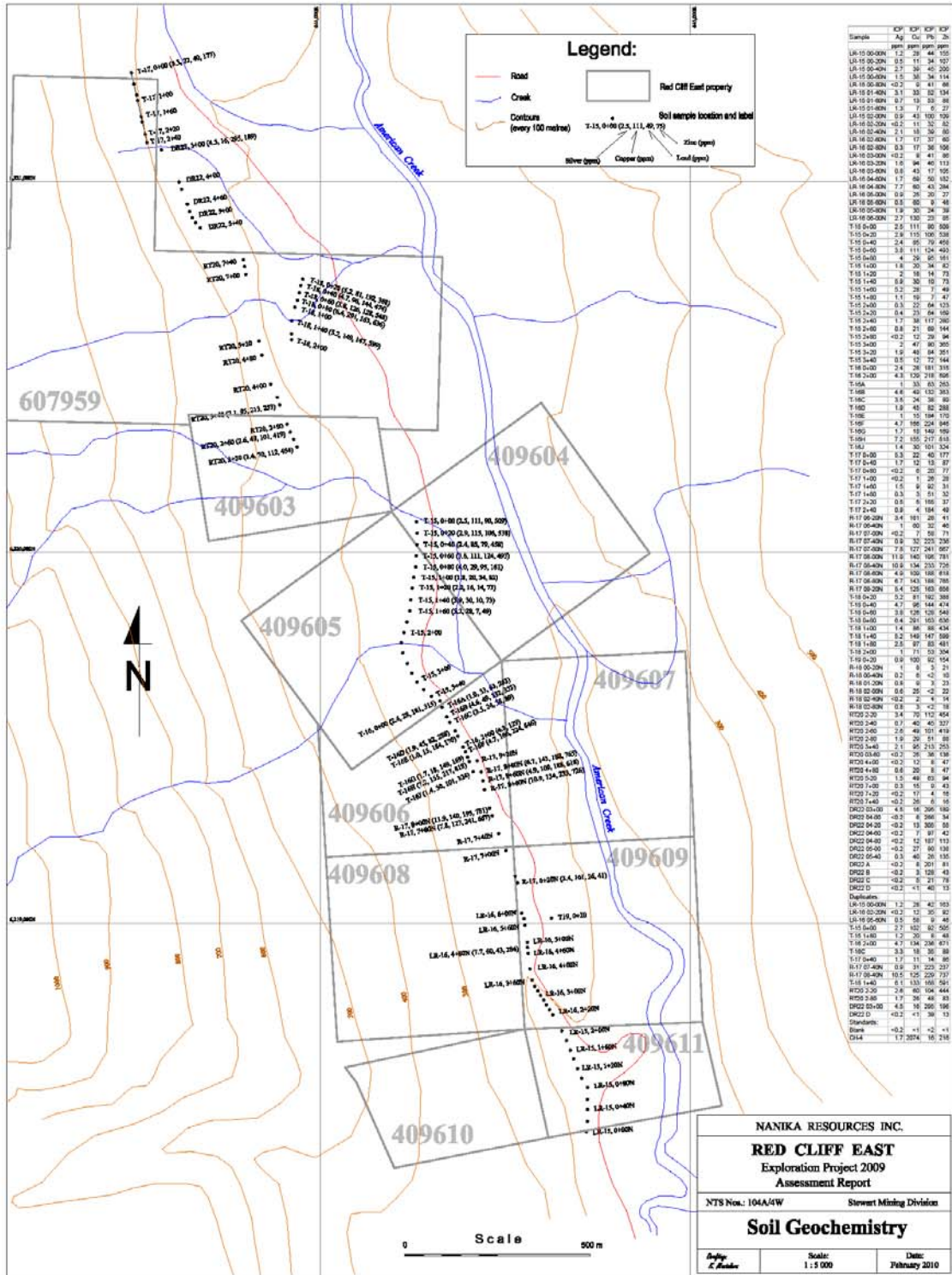
- Road
 - Creek
 - Claim boundary
 - Silt sample
 - ▲ Rock sample (in place)
 - △ Rock sample (float)
- NA09-6 (30, 11.1, 1380)
- Sample Number Silver assay (ppm)
- Gold assay (ppb) Copper assay (ppm)

Scale 1:10,000



UTM Coordinates NAD 83

NANIKA RESOURCES	
RED CLIFF EAST PROJECT	
ROCK AND SILT SAMPLE LOCATION	
AND GEOCHEMISTRY	
Date: November 2009	Fig



Legend:

- Road
- Creek
- Contours (every 100 metres)
- Red Cliff East property
- Sol sample location and label
- Silver (ppm)
- Copper (ppm)
- Zinc (ppm)
- Lead (ppm)

Sample	Ag	Co	Pb	Cd	Cu	Mn	Ni	Se	Zn
LR-10-00-00N	1.2	20	48	155					
LR-10-00-00N	0.5	11	34	107					
LR-10-00-00N	2.7	36	40	200					
LR-10-00-00N	1.5	36	34	144					
LR-10-00-00N	<0.2	0	41	66					
LR-10-01-00N	3.1	30	10	134					
LR-10-01-00N	0.7	13	33	88					
LR-10-02-00N	1.3	7	17	57					
LR-10-02-00N	0.9	43	100	150					
LR-10-02-00N	<0.2	11	30	85					
LR-10-02-00N	2.1	35	30	80					
LR-10-02-00N	1.7	17	37	60					
LR-10-02-00N	0.8	17	36	104					
LR-10-03-00N	<0.2	8	41	80					
LR-10-03-00N	1.6	46	113						
LR-10-03-00N	0.6	43	17	105					
LR-10-04-00N	1.7	66	50	150					
LR-10-04-00N	7.7	60	43	294					
LR-10-05-00N	0.9	29	20	77					
LR-10-05-00N	0.5	80	3	48					
LR-10-05-00N	1.9	30	34	78					
LR-10-05-00N	2.7	130	20	85					
T-15-0-00	2.5	111	80	308					
T-15-0-20	2.8	115	100	338					
T-15-1-40	2.4	80	76	458					
T-15-2-40	3.8	111	124	490					
T-15-3-40	4	79	25	151					
T-15-1-00	1.8	30	34	82					
T-15-1-20	2	19	14	79					
T-15-1-40	8.4	30	19	73					
T-15-1-60	5.2	28	1	49					
T-15-1-80	1.1	16	10	47					
T-15-2-00	0.3	20	64	125					
T-15-2-20	8.4	73	30	144					
T-15-2-40	1.7	38	117	280					
T-15-3-00	8.8	78	98	144					
T-15-3-20	<0.2	2	10	44					
T-15-3-40	2	47	80	305					
T-15-3-60	1.9	40	124	311					
T-15-3-80	0.5	13	77	144					
T-16-0-00	2.4	28	119	144					
T-16-2-00	4.3	120	218	806					
T-16A	1	35	10	263					
T-16B	4.4	44	11	263					
T-16C	3.6	24	38	80					
T-16D	1.9	43	25	88					
T-16E	1	10	194	170					
T-16F	4.7	88	22	88					
T-16G	1.7	18	149	199					
T-16H	1.2	150	217	815					
T-16I	1.4	30	103	234					
T-17-0-00	8.3	20	40	177					
T-17-1-40	1.7	12	10	44					
T-17-3-00	<0.2	8	20	77					
T-17-1-00	<0.2	1	10	44					
T-17-1-40	1.5	8	40	31					
T-17-1-80	0.3	3	10	37					
T-17-2-20	0.6	3	10	37					
T-17-2-40	0.9	4	19	40					
R-17-00-00N	3.4	49	41						
R-17-00-00N	1	60	32	40					
R-17-01-00N	<0.2	7	10	37					
R-17-01-00N	0.3	32	223	230					
R-17-01-00N	7.8	127	241	667					
R-17-02-00N	11.6	140	160	731					
R-17-03-00N	10.6	134	253	720					
R-17-04-00N	4.5	100	164	614					
R-17-05-00N	6.7	143	188	788					
R-17-06-00N	8.4	120	180	788					
R-18-0-00	5.2	31	160	388					
R-19-0-40	4.7	96	144	474					
R-19-0-60	3.8	120	160	474					
R-19-0-80	8.4	261	163	630					
R-19-1-00	1.4	80	43	434					
R-19-1-40	8.2	140	147	588					
R-19-1-80	2.8	87	103	481					
R-19-2-00	1.7	53	334						
R-19-2-20	0.9	100	60	104					
R-19-2-40	1	8	1	21					
R-19-2-60	0.2	8	1	21					
R-19-2-80	0.8	26	1	22					
R-19-3-00	0.6	25	1	22					
R-19-3-20	0.3	3	1	21					
R-19-3-40	0.3	3	1	21					
R-20-0-00	3.4	70	110	454					
R-20-1-40	0.7	40	40	227					
R-20-2-00	2.6	40	101	418					
R-20-2-20	1.9	29	51	88					
R-20-2-40	2.1	90	213	253					
R-20-3-00	<0.2	26	36	136					
R-20-4-00	<0.2	1.0	8	47					
R-20-4-20	8.6	26	20	47					
R-20-5-00	1.5	40	13	64					
R-20-7-00	0.3	15	6	43					
R-20-7-20	<0.2	17	41	68					
R-20-7-40	<0.2	26	8	65					
DR22-03-00	4.8	16	260	180					
DR22-04-00	<0.2	4	360	80					
DR22-04-20	<0.2	13	300	80					
DR22-04-40	<0.2	7	97	42					
DR22-04-80	<0.2	13	187	113					
DR22-05-00	<0.2	27	180	138					
DR22-05-40	0.3	40	26	135					
DR22-A	<0.2	4	201	81					
DR22-B	<0.2	2	120	53					
DR22-C	<0.2	8	21	76					
DR22-D	<0.2	41	40	33					
Duplicates									
LR-10-00-00N	1.2	20	48	155					
LR-10-00-00N	<0.2	13	30	82					
LR-10-00-00N	0.5	11	34	107					
T-15-1-40	2.7	102	80	280					
T-15-1-80	1.2	20	30	48					
T-16-0-00	4.7	134	238	871					
T-16C	3.3	18	30	88					
T-17-0-00	1.7	11	18	66					
R-17-01-00N	0.9	31	223	237					
R-17-02-00N	10.5	120	220	737					
T-16-1-40	6	130	150	561					
R-20-2-00	2.8	40	104	444					
R-20-5-00	1.7	26	40	63					
DR22-03-00	4.8	16	260	180					
DR22-D	<0.2	41	36	33					
Duplicates									
Blank	<0.2	<1	<1	<1					
DNA	1.7	304	10	248					

NANIKA RESOURCES INC.
RED CLIFF EAST
 Exploration Project 2009
 Assessment Report
 NTS Nos.: 104A/4W Stewart Mining Division
Soil Geochemistry
 Scale: 1 : 5 000
 Date: February 2010

Field Procedure and Laboratory Technique

Rock samples were taken in the field with a prospector's pick and collected in standard plastic sample bags. Weight of individual samples ranged from 0.5 to 2.0 kgs.

Rock samples were first crushed to minus 10 mesh (70 % of sample) using jaw and cone crushers. Then 250 grams of the minus 10-mesh material was pulverized to minus 150 mesh using a ring pulverizer. A modified Aqua Regia solution is added to each sample and leached for 1 hour at greater than 95 degrees Celsius. The resulting solution was then analyzed by atomic absorption. The analytical results were then compared to prepared standards for the determination of the absolute amounts. For the determination of the remaining trace and major elements Inductively Coupled Argon Plasma (ICP) was used. In this procedure a 0.5-gram portion of the minus 140-mesh material is digested with aqua regia for 1 hour at 95 degrees Celsius and made up to a volume of 20 mls prior to the actual analysis in the plasma. Again the absolute amounts were determined by comparing the analytical results to those of prepared standards.

Laboratory procedures for specific metals are presented below:

Procedure summary for gold fire assay:

Lead flux and silver inquart are added to the sample and mixed. Samples are fused in batches of 24 assays along with natural standard and a reagent blank. This batch of 26 assays is carried through the whole procedure as a set.

After cupellation (which removes lead), the precious metal bead the precious metal bead is parted in nitric acid to remove the silver. The remaining gold bead is either weighted (gravimetric finish) or dissolved in aqua regia and analyzed on atomic adsorption spectrometer, using a suitable standard set. The natural standard fused along with the sample set must be within 2 standard deviations of its known value or the whole set is re-assayed.

10% of the samples in a set are re-assayed and reported in duplicate, along with the standard and reagent blank.

Detection limit: 0.01 g/tonne

Procedure summary for copper, lead, zinc, silver, and assays:

A 1.000 gram sub-sample is weighed from the pulp bag for analysis. Each batch of 30 assays has three duplicates, two natural standards and a reagent blank included. The samples are digested with HNO₃, HBr, and HCl. After digestion is complete, extra HCl is added to the flask to bring the concentration of HCl to 25% in solution. This is to prevent precipitation of lead and silver chloride. The resulting solutions are analyzed on an atomic absorption spectrometer (AAS), using appropriate calibration standard sets.

The natural standard(s) digested along with this set must be within 2 standard deviations of the known or the whole set is re-assayed. If any of the samples assay over the concentration range of the calibration curve, the sample is re-assayed using a smaller sample weight. At least 10% of samples are assayed in duplicate.

Detection limit: 0.001% for copper, 0.01% for lead, 0.1 g/tonne for silver, 0.01% for zinc

INTERPRETATION AND CONCLUSIONS

The results obtained from the samples collected during the 2009 program of geochemical sampling indicate that the Red Cliff East property may host precious and base metal mineralization similar to Decade's Montrose Zone (located just to the west of Red Cliff East property) as well as to other precious and base metals zones reported from the area. The most promising area to find mineralized zones is located just west of 2009 anomalous soil samples on claims 409603, 409605, and 409606.

RECOMMENDATIONS

The next stage of exploration on the Red Cliff property should include more prospecting and soil sampling directly above a portion of soil line which showed the most anomalous results. The cost of this work is estimated at 20,000 dollars.

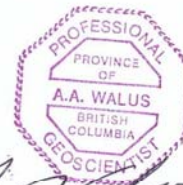
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11. Walus, Alex; (2009); Sampling notes.

CERTIFICATE OF AUTHOR'S QUALIFICATIONS

I, Alojzy Aleksander Walus, of 8546-164 Street, Surrey, in the Province of British Columbia, do hereby certify that:

1. I am a graduate of the University of Wroclaw, Poland and hold M.Sc. Degree in Geology.
2. I am a consulting geologist working on behalf of several exploration companies based in Vancouver, BC.
3. I have worked in British Columbia from 1988 to 2010 as a geologist with several exploration companies.
4. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia.
5. This report is based on my work completed on Red Cliff East property in October, 2009.
6. I authorize Nanika Resources to use information in this report or portions of it in its prospectus, any brochures, promotional material or company reports.



A. Walus

DATED AT VANCOUVER, B.C., March 3, 2010-----Alojzy A. Walus, P.Geol.

STATEMENT OF EXPENDITURES – EVENT # 4430989

Personnel:

A. Walus - geologist, 4.5 days @ \$500/day.....	2,250.00
Eight days of soil sampling by two samplers Invoice from Blue Bear Exploration of Smithers, BC.....	8022.00
Sample analysis, Invoice from the lab.....	4,470.00
Food/accommodation, 18 man-days @ \$68.0 per day per man.....	1224.00
Vehicle rental and gas (for geologist).....	426.00
Report writing, drafting and copying.....	2,000.00

Total	\$18,392.00

APPENDIX I

ROCK SAMPLES DESCRIPTION

- NA09-1 Float of vuggy, completely quartz carbonate-sericite altered rock, weak limonite.
- NA09-2 Float of completely chlorite altered rock with some malachite stain.
- NA09-3 Float of completely quartz-carbonate altered rock with 1-2% pyrite.
- NA09-4 Small float of rock with black-green chlorite, 1-2% chalcopyrite, abundant limonite and some malachite stain.
- NA09-5, 6 Float of completely chloritized rock, partially replaced by later black-green chlorite, minor chalcopyrite, pyrite, malachite and limonite. Minor quartz-carbonate veinlets.
- NA09-7 Float of completely chloritized rock with pervasive malachite stain and minor chalcopyrite as small blebs.
- NA09-8 Float of banded, quartz-carbonate-hematite vein at least 30 cm wide with 3% pyrite.
- NA09-9 Small float of chloritized rock with a few carbonate veinlets, minor malachite.
- NA09-10 Large angular float of quartz cemented breccia.
- NA09-11 Grab from weakly silicified andesitic rock cut by thin quartz-carbonate veinlets. Minor blebby to disseminated pyrite.
- NA09-12 Grab from strongly limonitic quartz vein or pod.
- NA09-13 Float of completely quartz-sericite altered intrusive (?), abundant limonite.
- NA09-15 Small angular float of strongly silicified rock with 2-3% fine grained pyrite.
- NA09-14 Small float of strongly silicified rock with 20-30% pyrite and minor galena.
- NA09-16 Float from suboutcrop of partly silicified andesite.
- NA09-17 Grab from strongly silicified and chloritized andesite(?). Minor pyrite and limonite
- NA09-18 Grab from silicified and chloritized andesitic (?) rock. Minor pyrite and limonite.
- NA09-19 Grab from silicified and chloritized andesitic rock with minor disseminated pyrite.
- NA09-20 Grab from strongly chloritized rock with limonite along fractures.

- NA09-21 Grab from sericite-quartz altered andesitic rock cut by barren quartz stockwork.
- NA09-22 Grab from strongly silicified and chloritized andesitic rock with limonite along fractures.

APPENDIX II GEOCHEMICAL RESULTS



Assayers Canada
 8282 Sherbrooke St.
 Vancouver, B.C.
 V5X 4R6
 Tel: (604) 327-3436
 Fax: (604) 327-3423

Quality Assaying for over 35 Years

Assay Certificate

9V-1498-RA1

Company: **Nanika Resources**
 Project: **East Red Cliff**
 Attn: **Alex Walus**

Nov-05-09

We hereby certify the following assay of 22 rock samples submitted Oct-26-09

Sample Name	Au g/tonne	Ag g/tonne	Cu %	Pb %	Zn %	Sample-wt Kg
NA09-01	0.12	4.0	0.120	0.02	0.04	0.6
NA09-02	0.09	3.9	0.192	0.01	0.09	0.7
NA09-04	0.17	126.3	1.18	0.21	0.30	0.1
NA09-05	0.02	18.1	0.232	<0.01	0.13	0.5
NA09-06	0.03	11.1	0.138	0.01	0.05	0.6
NA09-07	0.08	12.3	0.371	0.01	0.08	0.6
NA09-08	0.04	40.8	0.004	0.03	0.02	0.7
NA09-09	0.05	33.2	0.244	0.02	0.06	0.2
NA09-10	<0.01	0.1	0.001	0.01	<0.01	0.4
NA09-11	0.01	0.4	0.037	<0.01	0.01	0.6
NA09-12	0.01	0.8	0.024	0.01	<0.01	0.6
NA09-13	0.01	1.9	<0.001	0.01	<0.01	0.6
NA09-14	0.08	82.7	0.007	0.27	0.73	0.6
NA09-15	0.01	16.8	0.002	0.01	0.01	0.3
NA09-16	0.07	1.0	<0.001	<0.01	0.01	0.4
NA09-17	<0.01	1.7	<0.001	<0.01	<0.01	0.6
NA09-18	<0.01	<0.1	<0.001	<0.01	0.01	0.4
NA09-19	<0.01	0.4	0.008	<0.01	<0.01	0.7
NA09-20	0.01	0.5	<0.001	<0.01	<0.01	0.7
NA09-21	<0.01	0.1	<0.001	<0.01	<0.01	0.6
NA09-22	0.01	0.1	0.002	<0.01	<0.01	0.4
182	0.02	3.6	<0.001	0.01	0.02	0.5
*DUP NA09-01	0.15	3.9	0.123	0.01	0.03	
*DUP NA09-11	<0.01	0.1	0.037	<0.01	0.01	
*DUP NA09-21	<0.01	0.4	<0.001	<0.01	<0.01	
*0211	2.33					
*ME-3		282.6	0.184	2.91	0.89	
*BLANK	<0.01	<0.1	<0.001	<0.01	<0.01	

Au F.A. AA finish. Ag,Cu,Pb,Zn by A.R/A.A

Certified by 



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V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 35 Years

Geochemical Analysis Certificate

9V-1498-SG1

Company: **Nanika Resources**
Project: East Red Cliff
Attn: Alex Walus

Nov-05-09

We hereby certify the following geochemical analysis of 4 silt samples submitted Oct-26-09

Sample Name	Au ppb
NAS-1	314
NAS-2	135
NAS-3	344
NAS-4	98
*0211	2185
*BLANK	<1

Au Geochem F.A. AA finish

Certified by

Nanika Resources

Attention: Alex Walus

Project: East Red Cliff

Sample type: Silt

Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 9V1498SJ

Date : Nov-05-09

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
NAS-1	1.1	1.09	246	603	0.8	25	0.25	4	15	6	15	5.38	<1	0.07	11	0.61	996	2	0.01	7	404	572	0.03	<5	4	24	<5	0.04	<10	<10	103	<10	134	2
NAS-2	1.3	0.84	149	399	1.2	32	0.27	8	15	5	37	5.59	<1	0.09	17	0.48	2508	2	0.01	3	1051	167	0.03	<5	4	15	5	0.06	<10	<10	97	<10	429	3
NAS-3	0.2	1.39	72	340	1.0	29	0.43	5	17	10	21	5.43	<1	0.07	11	0.99	1044	<2	0.01	8	1173	105	0.16	<5	4	18	<5	0.09	<10	<10	95	<10	145	5
NAS-4	2.0	1.08	47	760	1.4	37	1.48	6	17	13	105	5.83	<1	0.09	16	0.67	3044	<2	0.01	4	1114	124	0.05	<5	5	37	<5	0.09	<10	<10	122	<10	453	6
LR-15 00-00N	1.2	3.09	55	216	1.3	30	0.40	5	25	11	28	5.82	<1	0.05	16	0.30	5127	4	0.01	3	2770	44	0.11	<5	1	13	<5	0.04	10	<10	86	<10	155	2
LR-15 00-20N	0.5	2.17	20	260	0.8	23	0.38	4	23	59	11	4.98	<1	0.15	17	0.34	2539	8	0.02	8	1184	34	0.05	<5	2	19	<5	0.03	<10	<10	58	<10	107	3
LR-15 00-40N	2.7	2.69	45	418	1.5	30	0.43	4	14	13	39	4.85	<1	0.06	30	0.50	3640	8	0.01	7	2361	45	0.07	<5	3	20	<5	0.03	<10	<10	62	<10	200	6
LR-15 00-60N	1.5	3.05	20	363	1.6	13	0.85	3	9	39	38	2.73	<1	0.08	26	0.28	3157	5	0.02	4	2696	34	0.15	<5	4	32	<5	0.02	<10	<10	33	<10	114	6
LR-15 00-80N	<0.2	1.72	25	93	<0.5	13	0.08	3	8	7	9	4.58	<1	0.04	12	0.16	965	5	0.01	3	707	41	0.04	<5	1	8	<5	0.04	<10	<10	98	10	66	1
LR-15 01-40N	3.1	3.15	40	444	1.3	21	0.46	4	15	11	33	4.46	<1	0.04	22	0.32	4037	6	0.01	5	1885	52	0.09	<5	3	19	<5	0.03	<10	<10	74	<10	134	7
LR-15 01-60N	0.7	1.70	44	178	0.5	18	0.23	3	17	31	13	3.79	<1	0.07	17	0.42	2396	7	0.02	4	2279	53	0.16	<5	2	22	<5	0.03	<10	<10	64	<10	88	3
LR-15 01-80N	1.3	0.26	7	145	<0.5	19	1.06	1	2	1	7	0.38	<1	0.04	<10	0.04	111	2	0.02	2	786	6	0.18	<5	1	37	<5	0.01	<10	<10	5	<10	27	1
LR-15 02-00N	0.9	3.06	76	107	0.7	29	0.06	5	15	12	43	6.34	<1	0.04	17	0.37	832	<2	0.01	6	1167	100	0.07	<5	5	4	6	0.03	13	<10	74	10	109	9
LR-16 02-20N	<0.2	2.25	31	144	0.6	18	0.01	4	6	7	11	5.19	<1	0.03	14	0.12	174	2	0.01	2	412	32	0.03	<5	3	3	<5	0.03	<10	<10	104	14	82	5
LR-16 02-40N	2.1	3.00	28	110	0.8	17	0.02	5	14	10	18	5.92	<1	0.04	14	0.19	835	2	0.01	2	703	39	0.06	<5	3	3	<5	0.04	<10	<10	81	10	80	5
LR-16 02-60N	1.7	2.23	26	82	<0.5	19	0.02	5	7	7	17	6.12	<1	0.04	11	0.25	323	2	0.01	2	561	37	0.04	<5	3	4	<5	0.03	<10	<10	84	15	60	4
LR-16 02-80N	0.3	3.46	27	94	0.8	12	0.06	4	12	11	17	5.27	<1	0.04	<10	0.42	499	<2	0.01	5	791	36	0.05	<5	4	4	<5	0.04	<10	<10	82	<10	106	7
LR-16 03-00N	<0.2	1.62	38	113	<0.5	24	0.21	5	7	9	9	5.80	<1	0.05	<10	0.40	479	3	0.01	4	529	41	0.04	<5	1	10	<5	0.04	<10	<10	96	14	86	2
LR-16 03-20N	1.6	2.73	28	490	1.4	23	1.43	4	12	8	94	3.10	<1	0.04	27	0.33	3239	3	0.01	4	2101	46	0.17	<5	3	48	<5	0.03	<10	<10	46	<10	113	4
LR-16 03-60N	0.8	2.96	10	723	1.2	34	3.34	3	8	5	43	2.00	<1	0.03	28	0.23	4815	2	0.01	4	1760	17	0.24	<5	2	172	<5	0.01	<10	<10	24	<10	105	2
LR-16 04-60N	1.7	3.54	142	543	2.2	40	0.87	5	14	19	69	5.93	<1	0.08	28	0.44	5714	10	0.02	5	1954	50	0.10	<5	2	46	8	0.07	21	<10	93	<10	182	8
LR-16 04-80N	7.7	4.42	50	1495	1.6	40	1.63	8	18	30	60	4.06	<1	0.05	17	0.30	>10000	35	0.02	3	6758	43	0.28	<5	4	88	12	0.05	20	<10	57	<10	284	15
LR-16 05-00N	0.9	1.36	11	583	1.0	26	2.65	2	15	8	25	2.47	<1	0.03	15	0.06	1940	5	0.02	2	2569	20	0.22	<5	2	131	<5	0.02	<10	<10	36	<10	27	3
LR-16 05-60N	0.5	1.78	12	533	0.6	32	1.93	2	11	6	60	1.29	<1	0.02	17	0.14	261	4	0.02	4	2861	9	0.38	<5	2	95	<5	0.02	<10	<10	41	<10	46	3
LR-16 05-80N	1.9	2.74	20	396	1.2	26	0.89	4	50	15	30	4.47	<1	0.03	12	0.14	7740	20	0.02	3	3665	24	0.21	<5	2	49	<5	0.03	<10	<10	86	<10	39	3
LR-16 06-00N	2.7	6.94	73	578	2.0	19	0.75	3	13	17	130	2.62	<1	0.02	39	0.12	4021	8	0.01	4	5881	23	0.27	<5	8	37	<5	0.04	10	<10	52	<10	85	11
T-15 0+00	2.5	1.33	9	1084	1.5	18	0.62	7	18	13	111	5.09	<1	0.12	20	0.78	3810	<2	0.01	4	1290	90	0.04	<5	7	40	5	0.09	10	<10	102	<10	509	3
T-15 0+20	2.9	1.25	10	1377	1.4	22	0.82	7	18	12	115	5.21	<1	0.13	20	0.71	4240	<2	0.01	4	1396	106	0.05	<5	7	40	5	0.08	10	<10	99	<10	538	3
T-15 0+40	2.4	1.13	8	865	1.3	24	0.66	6	16	11	85	4.87	<1	0.11	17	0.68	3639	<2	0.01	4	1281	79	0.03	<5	6	28	<5	0.07	<10	<10	90	<10	458	2
T-15 0+60	3.8	1.29	11	1454	1.2	23	0.67	7	18	12	111	5.00	<1	0.13	20	0.63	5599	<2	0.01	4	1559	124	0.08	<5	6	35	<5	0.06	10	<10	93	<10	493	2

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 9V1498SJ

Date : Nov-05-09

Nanika Resources

Attention: Alex Walus

Project: East Red Cliff

Sample type: Silt

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
T-15 0+80	4.0	0.76	10	209	0.7	17	0.17	4	11	10	29	5.08	<1	0.10	14	0.21	2606	<2	0.01	1	2027	95	0.06	<5	2	12	<5	0.05	<10	<10	105	11	161	2
T-15 1+00	1.8	0.40	7	84	0.6	7	0.12	3	4	7	20	3.60	<1	0.11	11	0.08	362	<2	0.01	<1	1718	34	0.08	<5	1	9	<5	0.04	<10	<10	67	11	82	1
T-15 1+20	2.0	0.36	<5	204	0.7	<5	0.19	2	5	26	16	2.90	<1	0.13	<10	0.13	509	<2	0.01	2	814	14	0.09	<5	2	10	<5	0.07	<10	<10	65	<10	73	1
T-15 1+40	5.9	0.19	<5	246	<0.5	6	0.30	1	1	9	30	0.87	<1	0.08	<10	0.04	268	<2	0.02	2	1075	10	0.25	<5	1	7	<5	0.02	<10	<10	17	<10	73	1
T-15 1+60	5.2	0.11	<5	264	<0.5	5	0.40	1	1	17	28	0.39	<1	0.12	<10	0.05	268	<2	0.03	2	1407	7	0.24	<5	<1	8	<5	0.01	<10	<10	5	<10	49	<1
T-15 1+80	1.1	0.13	<5	243	<0.5	8	0.31	1	1	16	19	0.55	<1	0.09	<10	0.03	196	<2	0.03	2	1103	7	0.20	<5	<1	6	<5	0.01	<10	<10	9	<10	47	1
T-15 2+00	0.3	0.55	9	89	0.6	12	0.14	3	6	8	22	3.62	<1	0.13	13	0.13	1259	<2	0.01	1	1745	64	0.07	<5	2	13	<5	0.04	<10	<10	76	11	123	1
T-15 2+20	0.4	0.80	9	108	0.7	21	0.16	4	11	10	23	4.93	<1	0.10	13	0.21	3212	<2	0.01	1	3321	64	0.05	<5	2	10	<5	0.05	<10	<10	95	<10	169	2
T-15 2+40	1.7	1.11	25	202	0.9	17	0.19	5	16	13	38	5.36	<1	0.11	15	0.45	4551	2	0.01	2	2402	117	0.03	<5	4	14	<5	0.06	<10	<10	110	<10	280	2
T-15 2+60	0.8	0.80	19	95	0.7	16	0.16	4	8	11	21	4.86	<1	0.12	13	0.30	864	<2	0.01	2	2693	69	0.06	<5	2	13	<5	0.05	<10	<10	98	13	144	2
T-15 2+80	<0.2	0.54	<5	632	0.9	17	0.19	3	6	35	12	3.64	<1	0.17	10	0.18	741	<2	0.01	2	1472	29	0.07	<5	3	19	<5	0.07	<10	<10	85	11	94	1
T-15 3+00	2.0	0.94	54	403	1.1	13	0.33	7	13	5	47	4.52	<1	0.14	19	0.44	3477	2	0.01	2	1291	90	0.04	<5	4	15	<5	0.04	<10	<10	68	<10	365	2
T-15 3+20	1.9	0.87	52	461	1.1	9	0.46	6	14	4	48	4.91	<1	0.12	20	0.45	3285	2	0.01	2	1402	84	0.05	<5	4	17	<5	0.05	<10	<10	76	<10	351	2
T-15 3+40	0.5	0.69	104	235	0.6	17	0.26	3	12	45	12	3.74	<1	0.22	16	0.31	2670	4	0.02	2	810	72	0.09	<5	2	15	<5	0.04	<10	<10	59	<10	144	1
T-16 0+00	2.4	1.26	164	169	0.7	15	0.08	5	21	7	28	5.51	<1	0.12	26	0.49	5668	7	0.01	2	2137	181	0.08	<5	2	8	<5	0.02	11	<10	75	<10	315	2
T-16 2+00	4.3	2.20	46	623	1.5	30	0.21	8	21	13	129	5.58	<1	0.17	24	0.70	7308	5	0.01	4	1835	218	0.05	<5	7	21	5	0.02	12	<10	96	<10	595	3
T-16A	1.0	0.96	41	321	1.0	24	0.44	5	12	4	33	3.90	<1	0.10	18	0.39	2505	2	0.01	2	1699	63	0.07	<5	3	17	<5	0.04	<10	<10	61	<10	263	2
T-16B	4.6	2.10	31	858	1.0	19	0.28	5	14	10	49	4.63	<1	0.15	19	0.47	4125	3	0.01	2	1179	132	0.05	<5	2	28	<5	0.04	<10	<10	95	<10	353	2
T-16C	3.5	0.75	27	506	0.6	10	0.60	3	7	5	24	3.86	<1	0.08	14	0.18	1168	2	0.01	1	966	38	0.09	<5	1	31	<5	0.04	<10	<10	72	<10	89	1
T-16D	1.9	1.26	44	651	0.9	24	0.99	6	12	6	45	4.05	<1	0.12	22	0.35	3732	3	0.01	2	1621	82	0.14	<5	2	43	<5	0.03	<10	<10	66	<10	288	1
T-16E	1.0	0.79	67	482	0.5	27	0.59	4	21	5	15	3.63	<1	0.11	27	0.41	4478	4	0.01	2	1458	184	0.14	<5	1	20	<5	0.02	10	<10	49	<10	170	1
T-16F	4.7	2.00	76	1451	1.7	18	0.51	14	24	13	166	5.94	<1	0.14	29	0.67	9944	9	0.01	4	1343	224	0.06	<5	8	31	7	0.03	14	<10	94	<10	846	3
T-16G	1.7	1.07	93	146	0.5	18	0.10	4	20	5	18	5.02	<1	0.11	18	0.44	4428	5	0.01	2	2348	149	0.12	<5	1	7	<5	0.02	<10	<10	64	<10	169	1
T-16H	7.2	1.88	56	1752	1.7	39	1.08	15	22	23	155	5.49	<1	0.16	33	0.66	8919	14	0.01	8	1672	217	0.09	<5	7	60	6	0.03	13	<10	91	<10	818	4
T-16J	1.4	0.94	62	436	1.0	26	0.48	6	15	5	30	4.64	<1	0.11	21	0.47	4028	2	0.01	2	1117	101	0.06	<5	3	22	<5	0.03	<10	<10	68	<10	324	2
T-17 0+00	5.3	0.56	9	2213	0.6	8	0.15	3	6	16	22	2.27	<1	0.13	<10	0.13	1995	<2	0.02	1	987	40	0.17	<5	2	45	<5	0.03	<10	<10	28	<10	177	1
T-17 0+40	1.7	0.30	<5	246	<0.5	<5	0.45	1	2	9	12	0.93	<1	0.09	<10	0.09	701	<2	0.02	1	1147	13	0.19	<5	1	15	<5	0.02	<10	<10	15	<10	87	1
T-17 0+80	<0.2	0.48	8	78	<0.5	5	0.08	2	4	1	6	3.36	<1	0.06	16	0.12	638	<2	0.02	<1	1321	20	0.08	<5	1	11	<5	0.03	<10	<10	52	<10	77	1
T-17 1+00	<0.2	0.52	8	60	0.7	<5	0.12	3	4	2	1	3.75	<1	0.07	21	0.05	239	<2	0.01	<1	625	26	0.04	<5	1	18	<5	0.07	<10	<10	84	10	28	1
T-17 1+60	1.5	0.27	<5	779	0.5	7	0.17	1	3	19	9	1.58	<1	0.17	14	0.04	261	<2	0.02	1	735	92	0.15	<5	1	22	<5	0.04	<10	<10	31	<10	31	1

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 9V1498SJ

Date : Nov-05-09

Nanika Resources

Attention: Alex Walus

Project: East Red Cliff

Sample type: Silt

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
T-17 1+80	0.3	0.31	<5	526	<0.5	6	0.07	1	3	2	3	2.05	<1	0.09	21	0.05	380	<2	0.02	<1	639	51	0.07	<5	1	16	<5	0.02	<10	<10	38	<10	32	1
T-17 2+20	0.5	0.44	6	135	0.5	<5	0.07	2	3	1	5	2.64	<1	0.11	19	0.03	482	<2	0.01	<1	423	155	0.05	<5	<1	5	<5	0.04	<10	<10	55	<10	37	1
T-17 2+40	0.9	0.49	9	67	0.5	13	0.01	3	4	2	4	3.74	<1	0.10	24	0.05	1145	<2	0.01	<1	448	184	0.03	<5	1	3	<5	0.05	<10	<10	58	<10	49	1
R-17 06-20N	3.4	5.69	33	854	1.7	<5	1.14	1	9	23	161	1.44	<1	0.05	53	0.19	3527	7	0.02	5	4723	26	0.36	<5	4	56	<5	0.02	<10	<10	41	<10	41	5
R-17 06-40N	1.0	3.67	40	301	1.3	19	0.78	2	10	18	60	2.86	<1	0.06	27	0.29	645	3	0.01	5	2678	32	0.18	<5	2	40	<5	0.04	<10	<10	70	<10	46	2
R-17 07-00N	<0.2	1.99	36	163	0.8	41	0.89	8	15	9	7	9.40	<1	0.05	<10	0.54	1275	<2	0.01	3	1269	58	0.11	<5	2	42	<5	0.08	<10	10	141	15	71	3
R-17 07-40N	0.9	1.68	70	1090	0.8	25	0.65	6	22	14	32	6.42	<1	0.11	16	0.28	7170	9	0.01	1	1772	223	0.06	<5	2	77	<5	0.04	<10	<10	116	<10	236	2
R-17 07-80N	7.8	2.35	56	1494	1.6	26	0.43	9	24	14	127	5.70	<1	0.12	27	0.67	9923	9	0.01	4	1461	241	0.07	<5	9	28	7	0.02	13	<10	90	<10	667	5
R-17 08-00N	11.9	2.23	97	1673	1.6	27	0.66	15	26	14	140	6.03	<1	0.12	34	0.73	>10000	8	0.01	5	1634	195	0.08	<5	9	34	7	0.02	13	<10	91	<10	781	5
R-17 08-40N	10.9	2.37	110	1655	1.8	27	0.40	12	24	14	134	6.13	<1	0.14	30	0.61	9471	10	0.01	3	1492	233	0.06	<5	8	31	7	0.02	14	<10	106	<10	726	5
R-17 08-60N	4.9	2.11	71	1492	1.5	26	0.48	8	19	12	109	5.56	<1	0.16	27	0.65	6328	6	0.01	4	1408	188	0.06	<5	6	30	5	0.02	11	<10	91	<10	618	3
R-17 08-80N	6.7	1.87	77	2314	1.4	28	0.78	13	21	13	143	5.36	<1	0.18	29	0.65	>10000	13	0.01	3	1581	188	0.08	<5	6	48	6	0.03	13	<10	83	<10	765	2
R-17 09-20N	5.4	1.71	63	2051	1.3	19	0.61	10	19	12	125	4.91	<1	0.18	24	0.62	9025	10	0.01	3	1280	163	0.07	<5	6	38	6	0.03	12	<10	77	<10	656	2
T-18 0+20	5.2	1.04	10	1739	1.0	15	0.83	7	18	11	81	4.30	<1	0.13	17	0.44	7747	2	0.01	2	1803	192	0.11	<5	4	29	<5	0.03	10	<10	70	<10	388	2
T-18 0+40	4.7	1.11	9	1540	1.1	35	1.77	8	14	9	96	3.91	<1	0.12	29	0.50	5398	<2	0.01	3	1652	144	0.15	<5	5	38	<5	0.04	<10	<10	66	<10	474	2
T-18 0+60	3.8	1.58	9	1321	1.4	40	1.62	9	17	12	126	4.35	<1	0.13	18	0.74	5170	<2	0.01	5	1344	128	0.10	<5	6	61	<5	0.06	<10	<10	81	<10	548	2
T-18 0+80	6.4	1.35	11	1560	1.4	36	1.40	11	16	12	291	4.83	<1	0.12	23	0.63	6439	<2	0.01	4	1431	163	0.11	<5	7	39	<5	0.04	10	<10	83	<10	636	2
T-18 1+00	1.4	1.09	9	791	1.4	54	2.75	6	17	12	86	5.49	<1	0.08	15	0.69	3405	<2	0.01	4	1232	88	0.08	<5	5	51	5	0.08	<10	<10	108	<10	434	5
T-18 1+40	5.2	1.20	11	1320	1.3	30	0.64	8	16	11	149	4.95	<1	0.10	20	0.63	5383	<2	0.01	3	1283	147	0.05	<5	6	25	5	0.05	<10	<10	84	<10	599	2
T-18 1+80	2.5	1.22	10	986	1.6	31	0.72	7	18	13	97	5.76	<1	0.10	18	0.74	3671	<2	0.01	4	1364	83	0.03	<5	6	31	5	0.09	11	<10	109	<10	481	4
T-18 2+00	1.0	1.05	7	582	1.3	24	1.17	7	15	11	71	5.03	<1	0.08	15	0.70	2798	<2	0.01	4	1197	53	0.03	<5	5	27	<5	0.09	<10	<10	95	<10	354	5
T-19 0+20	0.9	3.62	18	290	1.3	24	0.08	8	31	10	100	8.69	<1	0.03	15	0.48	1865	3	0.01	2	1693	92	0.11	<5	12	6	5	0.02	10	<10	172	<10	154	7
R-18 00-20N	1.0	0.34	<5	223	<0.5	<5	0.03	1	2	14	8	0.50	<1	0.04	<10	0.03	62	<2	0.02	2	952	3	0.16	<5	1	8	<5	0.01	<10	<10	10	<10	21	1
R-18 00-40N	0.2	0.29	<5	23	<0.5	<5	0.01	1	3	1	6	0.72	<1	0.02	12	0.06	37	<2	0.02	2	529	<2	0.07	<5	1	3	<5	<0.01	<10	<10	25	<10	10	<1
R-18 01-20N	0.8	0.35	<5	108	<0.5	<5	0.03	1	5	23	9	1.17	<1	0.04	<10	0.13	70	2	0.03	2	743	3	0.15	<5	2	12	<5	0.01	<10	<10	41	<10	23	<1
R-18 02-00N	0.6	0.34	<5	113	<0.5	<5	0.01	1	4	23	25	0.89	<1	0.02	<10	0.05	48	2	0.06	2	598	<2	0.11	<5	1	10	<5	<0.01	<10	<10	24	<10	22	<1
R-18 02-40N	<0.2	0.63	6	40	<0.5	<5	0.04	1	2	2	2	1.39	<1	0.05	14	0.04	58	<2	0.01	<1	324	4	0.03	<5	1	5	<5	0.03	<10	<10	44	<10	14	<1
R-18 02-80N	0.8	0.36	<5	257	<0.5	<5	<0.01	1	2	15	3	0.79	<1	0.05	<10	0.07	23	<2	0.02	1	495	<2	0.10	<5	1	5	<5	0.02	<10	<10	18	<10	18	1
RT20 2-20	3.4	1.16	13	976	1.6	26	0.60	7	18	13	70	5.55	<1	0.11	18	0.72	4101	<2	0.01	5	1390	112	0.05	<5	6	25	<5	0.08	10	<10	108	<10	454	2
RT20 2-40	0.7	0.96	6	416	1.2	29	0.67	5	14	10	40	4.52	<1	0.08	14	0.63	2415	<2	0.01	3	1143	45	0.02	<5	4	19	<5	0.07	<10	<10	84	<10	327	3

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.

Nanika Resources

Attention: Alex Walus

Project: East Red Cliff

Sample type: Silt

Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 9V1498SJ

Date : Nov-05-09

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm	
RT20 2-60	2.6	1.07	10	826	1.6	19	0.47	7	17	13	49	5.23	<1	0.12	17	0.67	3977	<2	0.01	4	1237	101	0.04	<5	6	24	<5	0.09	10	<10	106	<10	419	2	
RT20 2-80	1.9	1.07	17	339	1.1	10	0.36	3	22	7	29	4.05	<1	0.08	<10	0.58	2878	<2	0.01	3	2059	51	0.10	<5	2	30	<5	0.10	<10	<10	69	<10	88	1	
RT20 3+40	2.1	2.11	15	643	1.4	31	1.49	6	28	11	95	4.05	<1	0.07	<10	1.57	5388	<2	0.01	7	1885	213	0.15	<5	4	48	<5	0.10	<10	<10	93	<10	253	2	
RT20 03-60	<0.2	1.55	11	155	1.8	32	0.67	3	26	19	25	4.30	<1	0.14	<10	1.34	1891	<2	0.01	7	1585	36	0.09	<5	5	41	<5	0.18	<10	<10	109	<10	136	2	
RT20 4+00	<0.2	0.97	8	581	1.2	23	0.81	2	10	6	12	2.66	<1	0.07	<10	0.73	591	<2	0.02	3	1144	8	0.14	<5	2	39	<5	0.12	<10	<10	57	<10	47	2	
RT20 4+80	0.6	0.82	6	182	0.7	17	0.47	2	10	14	20	2.33	<1	0.12	<10	0.51	499	<2	0.02	3	1311	8	0.17	<5	1	28	<5	0.07	<10	<10	43	<10	47	1	
RT20 5-20	1.5	1.24	11	367	1.0	15	0.38	3	21	5	49	3.17	<1	0.10	<10	0.71	3464	<2	0.01	2	1431	63	0.10	<5	1	36	<5	0.06	<10	<10	54	<10	94	1	
RT20 7+00	0.3	0.55	<5	88	0.6	<5	0.26	1	6	12	15	2.04	<1	0.12	<10	0.26	356	<2	0.02	2	1380	9	0.17	<5	1	19	<5	0.06	<10	<10	35	<10	43	1	
RT20 7+20	<0.2	0.30	<5	48	0.5	8	0.11	1	5	19	17	1.55	<1	0.11	<10	0.06	126	<2	0.02	1	661	4	0.13	<5	1	8	<5	0.05	<10	<10	22	<10	16	1	
RT20 7+40	<0.2	0.34	12	103	0.8	5	0.20	1	8	26	26	2.16	<1	0.13	<10	0.08	172	2	0.02	2	755	6	0.14	<5	1	15	<5	0.08	<10	<10	30	<10	16	2	
DR22 03+00	4.5	1.01	9	424	<0.5	8	0.03	2	9	3	16	2.71	<1	0.11	27	0.15	2670	<2	0.01	<1	1616	295	0.05	<5	1	7	<5	0.01	<10	<10	37	<10	189	1	
DR22 04-00	<0.2	0.97	8	52	<0.5	5	0.03	2	7	3	6	3.28	<1	0.09	21	0.07	2635	<2	0.01	<1	2979	266	0.05	<5	<1	4	<5	0.03	<10	<10	42	<10	34	1	
DR22 04-20	<0.2	1.06	10	105	<0.5	11	0.02	2	6	3	13	2.38	<1	0.09	25	0.12	1981	<2	0.01	<1	1589	305	0.05	<5	1	4	<5	0.01	<10	<10	33	<10	55	2	
DR22 04-60	<0.2	0.66	8	44	<0.5	<5	0.07	2	6	3	7	2.98	<1	0.11	17	0.26	974	<2	0.01	<1	1923	97	0.06	<5	<1	9	<5	0.03	<10	<10	42	<10	42	1	
DR22 04-80	<0.2	1.23	8	57	<0.5	20	0.06	3	13	4	12	3.57	<1	0.11	22	0.66	1846	<2	0.01	3	1572	187	0.03	<5	1	7	<5	0.02	<10	<10	43	<10	113	1	
DR22 05-00	<0.2	1.74	11	82	1.1	28	0.19	3	25	6	27	4.56	<1	0.13	13	1.14	3524	<2	0.01	3	2071	90	0.07	<5	2	21	<5	0.11	<10	<10	69	<10	138	1	
DR22 05-40	0.3	2.58	17	55	1.4	22	0.20	4	28	6	40	4.96	<1	0.08	11	1.71	2962	<2	0.01	4	1585	26	0.05	<5	4	25	<5	0.13	10	<10	91	<10	135	2	
DR22 A	<0.2	1.00	8	44	<0.5	8	0.02	2	7	2	8	3.10	<1	0.09	23	0.37	2027	<2	0.01	<1	1478	201	0.05	<5	1	4	<5	0.01	<10	<10	44	<10	81	1	
DR22 B	<0.2	1.34	<5	74	<0.5	8	0.02	2	3	2	3	2.57	<1	0.06	19	0.07	1008	<2	0.01	<1	1258	128	0.06	<5	1	4	<5	0.01	<10	<10	32	<10	43	2	
DR22 C	<0.2	0.30	<5	87	<0.5	<5	0.01	1	2	1	5	1.90	<1	0.12	28	0.02	113	<2	0.01	<1	337	21	0.02	<5	1	3	<5	0.01	<10	<10	33	<10	78	1	
DR22 D	<0.2	0.44	<5	35	<0.5	<5	0.01	1	2	1	<1	1.99	<1	0.04	20	0.02	450	<2	0.02	<1	992	40	0.04	<5	<1	2	<5	0.01	<10	<10	33	<10	13	1	
Duplicates:																																			
NAS-1	1.2	1.15	258	573	0.8	25	0.26	4	16	6	14	5.45	<1	0.07	11	0.64	1016	9	0.01	8	425	560	0.03	<5	4	24	<5	0.04	<10	<10	102	<10	135	2	
LR-15 00-00N	1.2	3.21	53	225	1.3	31	0.41	5	25	11	28	5.97	<1	0.06	17	0.30	5113	4	0.01	3	2713	42	0.11	<5	1	14	<5	0.04	11	<10	90	<10	163	3	
LR-16 02-Z0N	<0.2	2.54	33	159	0.7	16	0.02	4	6	6	12	5.87	<1	0.03	16	0.13	196	2	0.01	1	456	35	0.03	<5	3	3	<5	0.04	<10	<10	115	14	92	5	
LR-16 05-60N	0.5	1.75	12	529	0.6	31	1.87	2	11	6	58	1.28	<1	0.02	16	0.14	367	4	0.02	4	2742	9	0.36	<5	2	91	<5	0.02	<10	<10	41	<10	46	2	
T-15 0+00	2.7	1.35	10	1085	1.5	20	0.60	7	17	13	102	5.28	<1	0.12	19	0.78	3723	<2	0.01	4	1374	92	0.04	<5	7	40	5	0.09	10	<10	107	<10	505	3	
T-15 1+80	1.2	0.14	<5	241	<0.5	6	0.30	1	1	16	20	0.52	<1	0.10	<10	0.73	189	<2	0.03	2	1125	8	0.21	<5	<1	6	<5	0.01	<10	<10	8	<10	48	1	
T-16 2+00	4.7	2.36	48	637	1.6	27	0.21	9	22	15	134	5.40	<1	0.21	25	0.70	7774	6	0.01	5	1950	236	0.05	<5	7	21	6	0.02	13	<10	109	<10	671	3	
T-16C	3.3	0.67	25	469	0.5	17	0.55	3	6	5	18	3.49	<1	0.07	12	0.15	1099	<2	0.01	1	907	35	0.08	<5	1	27	<5	0.03	<10	<10	63	<10	89	1	

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.



Nanika Resources

Attention: Alex Walus

Project: East Red Cliff

Sample type: Silt

Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Report No : 9V1498SJ

Date : Nov-05-09

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
T-17 0+40	1.7	0.29	<5	239	<0.5	<5	0.44	1	2	10	11	0.88	<1	0.09	<10	0.09	681	<2	0.02	2	1127	14	0.19	<5	1	15	<5	0.02	<10	<10	14	<10	86	1
R-17 07-40N	0.9	1.70	71	1100	0.8	37	0.65	6	22	12	31	6.40	<1	0.11	16	0.29	7166	9	0.01	<1	1764	223	0.05	<5	2	79	<5	0.04	<10	<10	118	<10	237	2
R-17 08-40N	10.5	2.43	108	1673	1.8	29	0.42	12	24	14	125	6.35	<1	0.16	31	0.63	9601	9	0.01	3	1483	229	0.06	<5	8	32	7	0.02	14	<10	104	<10	737	4
T-18 1+40	6.1	1.27	12	1591	1.6	23	0.70	9	18	14	133	5.47	<1	0.13	22	0.65	5774	<2	0.01	4	1375	168	0.06	<5	7	33	5	0.07	11	<10	93	<10	591	2
RT20 2-20	2.6	1.19	13	1097	1.7	22	0.63	7	18	13	60	5.89	<1	0.13	19	0.72	3919	<2	0.01	5	1390	104	0.05	<5	6	30	<5	0.10	11	<10	121	<10	444	2
RT20 2-80	1.7	1.03	16	320	1.0	11	0.35	3	22	7	26	3.83	<1	0.08	<10	0.58	2840	<2	0.01	3	1938	48	0.10	<5	2	29	<5	0.10	<10	<10	63	<10	83	1
DR22 03+00	4.5	1.04	9	479	<0.5	7	0.03	2	9	3	16	2.85	<1	0.11	28	0.15	2653	<2	0.01	<1	1572	295	0.06	<5	1	8	<5	0.01	10	<10	41	<10	196	1
DR22 D	<0.2	0.43	<5	33	<0.5	<5	0.01	1	2	1	<1	1.98	<1	0.04	19	0.02	447	<2	0.02	<1	968	39	0.04	<5	<1	2	<5	0.01	<10	<10	33	<10	13	1
Standards:																																		
Blank	<0.2	<0.01	<5	<10	<0.5	<5	<0.01	<1	<1	<1	<1	<0.01	<1	<0.01	<10	<0.01	<5	<2	<0.01	<1	<10	<2	<0.01	<5	<1	<1	<5	<0.01	<10	<10	<1	<10	<1	<1
CH-4	1.7	1.85	13	314	1.8	28	0.65	5	32	114	2074	5.24	<1	1.40	14	1.21	361	2	0.06	53	744	16	0.66	<5	8	8	<5	0.22	10	<10	87	<10	216	14

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.

Signed: _____ 