ASSESSMENT REPORT

Gamma Ray Data Collection and Prospecting
Of the
Dude Main Claim Group

TEXADA ISLAND, British Columbia

For
Tenures: 407667;501996; 522543; 501940; 517074; 517185; 517129; 517178; 517284; 517153; 522450; 517026
Of the Nanaimo Mining District

Prepared For:
NORTHSTAR MINING LTD.
FMC# 143663

Event #
4253289

Located on Map sheet
92F.059

Longitude: 49º37'56"
Latitude: -124º18'37"
UTM 10N
405364
5498299

Associated Minfile #s:
092F 059 (MAY); 092F 200 (CISCO); 092F 276 (MAY)
092F 327 (ANGEL); 092F 504 (LONG B); 092F 505 (DAVE'S); 092F 506 (FRISKY)

Associated ARIS (Assessment Report) file **numbers**:
07559; 09264; 10065; 13747; 14916; 16013; 17301; 17685; 18671 27799; 27551; 26690; 26582

Date: Dec 10 2008

By
D. McLelland M. Sc. D.
Auracle Geospatial Science Inc.

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EXECUTIVE SUMMARY

In 2008 Auracle Geospatial Science Inc. was asked by NORTHSTAR MINING LTD. to carry out a Gamma Ray Spectrometer survey and prospecting program on its several of its mineral tenures on Texada Island British Columbia. The Dude Claim Group consists of Copper Molybdenum Gold prospects staked for their base metal and precious metal potential. In the preceding years spectral analysis and ground truthing were undertaken by the author on these tenures, as part of an ongoing program of geoscience data: compilation; integration and image fusion.

Geologically this area is widely underlain by Upper Triassic Karmutsen Formation Basaltic Volcanic rocks and narrow lenses of Limestone with intrusions of quartz diorite to granodiorite. Exploration work this year was carried out as a part of the Dude and Tak Groups Field Work Project on this tenure which is the largest contiguous tenure group within the project area. This is an area of coastal rainforest and steep terrain. This area is an excellent candidate for higher resolution airborne or ground grid Hyperspectral data collection, which has the potential to more clearly define these complex mineral occurrences. Of note is the lack of data regarding gold mineralization in the work conducted by Falconbridge in the 1970s and a noticeable lack of sample retention in drill core characterized as intersecting fracture zones. B. Bowen P. Eng.'s statement: "Falconbridge's drilling program represents an incomplete test of the porphyr potential of the Dude prospect" remains yet unanswered. Additionally the group's western extent includes an area of swampy wetlands which are upslope from the outcrop mineralization. There is no indication that this swampy zone has been closely examined in the past likely due to obvious access problems but may be suitable to soil probe analysis. Drill core from previous work and stored by Northstar requires resampling for Rhenium.

Auracle Geospatial Science Inc.

INTRODUCTION

In May of 2006 an area of prospective Copper Molybdenum Gold porphyr terrain was acquired by Northstar Mining Ltd. on the East Coast of Texada Island. Exploration in this area has been carried out since the mid 1970s by Falconbridge Nickel, Cariboo Gold, Rhyolite Resources Ltd., Carolin Mines Limited and Pathfinder Resources. Programs of Prospecting, Soil Geochemistry, Geophysics, and limited drilling have been conducted at various locations. With the acquisitions by Northstar of a more complete ground package, currently elevated base and precious metal prices, a decision was made to apply satellite spectral analysis to locate possible zones of alteration which may provide a basis for more intensive ground exploration. Work performed in 2007 by Auracle Geospatial Science Inc. in concert with J. Houle P. Eng. included spectral analyses and lineament interpretation which when integrated as a part of the planning process for the 2008 field season produced several general target areas which were followed with gamma ray spectral survey and prospecting. With elevated rhenium market interest and improved rhenium chemical analysis methodologies now available previously collected samples including drill core ought to be carefully considered.

LOCATION AND ACCESS (Figure 1)

The Northstar Dude and Tak claim groups are located 31 to 37 km south of the Town of Venanda on the east coast of Texada Island west by a government operated Ferry of the City of Powell River British Columbia. Crossing time from Powell River to Blubber Bay on the Northern end of Texada is approximately 25 minutes. Access to the site is along a secondary road from a smaller community of Gilles Bay. There is an airport approximately 20km north of the claim group at Gilles bay with daily scheduled flights to Vancouver and Qualicum Beach. There is a good network of roads accessing and crossing the claim group area including public roads and old and new logging roads. An improved BC Hydro Access road provides general access. This is an area of possible high winter snowfall and winter travel should be avoided. Four wheel drive transportation is recommended year round. A main electrical transmission line crosses the claim group presenting a relatively vegetation clear window. Texada Island enjoys an industrial economic base, featuring three operating limestone quarries.

PHYSIOGRAPHY

The topography of the area is rugged and mountainous (see figure 1). The mineral tenures cover and lie to the east of Mount Grant with steep slopes with moderately to deeply incised river valleys. Elevations range from sea level in the north east to about 700 meters in the highlands to the west.

The group is within a coastal rainforest with dense vegetation consisting of replanted to larger Douglas fir, Hemlock, Balsam conifers, Alder deciduous trees, and thick salal underbrush. This location features a maritime environment with moderate to high rainfall.

MINERAL CLAIM STATUS (also see Confirmation cover sheet)

This exploration report encompasses 67 mineral claim cells out of the total 105 mineral cell claims held by Northstar in three separate claim blocks (tenures). All of the 67 cells are contiguous. Separate groups consisting of 15 cells (mineral tenure #502019) and 23 cells (mineral tenures: 516336 and 516341) are located south and east of this group. A list of claims is included in the Confirmation Cover to this document and a claim map is inserted as Figure 2. As a result of the preceding seasons work by Auracle, Northstar mining have increases their tenure holdings by acquiring the tenures adjacent and west numbered: #592648 (25 cells) and #592649 (11 cells). Northstar also acquired mineral tenure # 592650 which is contiguous with the Dude Group and Northstar tenure # 502019. These newly acquired Northstar Mining tenures are not covered by this report. The Northstar Dude group also lies to the north, west and south of tenure number 572768: The Longbeach 544 hectare claim held by Johan Shearer since December 2007.

PREVIOUS WORK (Extracts from Minfile and ARIS)

Mineral exploration work carried out on these several properties is reported in the British Columbia Ministry of Energy Mines and Petroleum Resources Minfiles numbered: 092F 059 (MAY); 092F 200 (CISCO); 092F 276 (MAY); 092F 327 (ANGEL); 092F 504 (LONG B); 092F 505 (DAVE'S); 092F 506 (FRISKY) and in the same ministry's exploration assessment reports file (**ARIS**) numbered: 7559; 9264; 10065; 13747; 14916; 16013; 17301; 17685; 18671.

Texada Island enjoys a lengthy and persistent mining history. In the 1900's copper gold skarns were mined at Venanda. A magnetite replacement deposit 3 km north of Gilles Bay was mined by Texada Mines Ltd. from 1952 to 1977. Three limestone quarries are currently in operation on Texada.

Past Work performed on the Adjacent Longbeach Claim is reported in **ARIS** files: 27799; 27551; 26690; 26582: 17658; and 13747. The Longbeach work consisted of geochemical sampling this sampling suggested a correlation between gold in soil values and proximity to the intrusive volcanic contact[i]. Further work was to ascertain industrial mineral potential for Lehigh Northwest Cement Limited of the tenure's feldspathic sand and its suitability for cement raw materials.

The Dude mineral prospects were discovered as anomalous copper and molybdenum mineralization by local prospectors in 1969. The area was staked and subsequently optioned to Falconbridge Nickel Mines Ltd. Falconbridge conducted soil Geochemistry, ground geophysics, geological mapping and limited diamond drilling. Low grade copper was intersected and the option that they held was terminated in 1970.

A minor program of short hole drilling (11m maximum) was conducted by F. Brennan in the late 1970s without substantial success.

Northstar Mining staked the claim area and acquired additional cell claims from 2000 to present. Northstar's prospector Bob Duker assisted B. Bowen P. Eng. in an intensive

geological mapping program in 2001.
2006 and 2007 work conducted by the Author included spectral image analyses, including mineral classification and lineament study together with historic data compilation and integration.

REGIONAL GEOLOGY (Figure 1)
The Northstar Mining Ltd. Dude and Tak Claim Group lie within a region of Texada Island underlain by the basaltic volcanic rocks of the Upper Triassic Karmutsen formation which have been variously described as porphyritic and narrow limestone lenses. Of interest are Diorite/Granodiorite intrusions. Metallic mineralization has been described as related to these intrusives. Chlorite, kaolinite, epidote, hematite and potassic alteration are reported to commonly occur near intrusive contacts.

EXPLORATION WORK 2008

FIELD WORK (Figure 2)

The Dude Tenure Group work location was surveyed and prospected simultaneously with foot borne and ATV borne gamma ray spectrometers with spectra collected at 138 GPS controlled waypoints (see figure 2 and table figure3). GR data was collected in assay 120 second assay mode at waypoints and used as a scintillometer along traverses. Detection of buried zones of pottassic alteration have been interpreted from spatial radiometric data where applied to the exploration for porphyr copper type deposits. Drill collars and trenches from preceding work were located using GPS and sampled for future analyses. Rock samples were collected from outcrop and from trenches for future rock geochemical analysis. The areas where remote sensing lineament had been interpreted as possible indications of faulting were inspected but found to be covered in overburden. The region classified as mineral Hematite during the preceding spectral study (2009B3FFHGhemROI.jpeg) and located under the transmission lines was explored and verified as an area of previously identified target mineralization, adjacent to a drill collar.

EQUIPMENT and SOFTWARE

5 Radiation Solutions Inc. RS-125 Gamma-Ray Spectrometers
GEORADiS RS Version 0.2 software
ESRI ArcView 9.0 with Geospatial, Spatial, and 3D analyst extensions
RSI ENVI, ENVI Zoom and IDL 4.6.1

PROCESSING and ANALYSIS

Data was imported as raw gamma ray spectra and visually checked for completeness and consistency before a series of pre-processing steps were taken. Pre-processing included georeferencing of the image data to create positional reference. GR Spectra Data were coupled with GPS data for georeferencing. Gamma Ray data was defined by three preset regions of interest (ROIs) to represent Potassium, Thorium and Uranium as well as recording total counts. The georeferenced GR data was projected into map space and displayed using Inverse Distance Weighting (IDW) for further overlay and integration analyses.

Gamma Ray Spectra ROIs:
Total (ppm)
Potassium K%

Uranium (U ppm)-
Count: 120
Minimum: 0.7
Maximum: 46.3
Sum: 575.6
Mean: 4.796667
Standard Deviation: 6.190839

Thorium (Th ppm)-
Count: 120
Minimum: 1.7
Maximum: 42.7
Sum: 1116.7
Mean: 9.305833
Standard Deviation: 5.844118

RESULTS (See Figures 4 and 5 IDW)

The exploration of this tenure group was part of a longer planned program of exploration designed to defined areas of interest or target areas for increasingly intensive work. The Gamma ray response and variability are both subtle. There are clearly spatial correlations to the areas of mineralization classified by the 2006-2007 spectral analysis. The areas represent spectrally analyzed outcrop material only and therefore may be inferential or representative signals of similar rock/ mineral types. The areas of low K% by GR spectrometer when displayed by distance weighting inversion (IDW figure 4) include two examples of Class mean 7 while the Areas of relative high K response correlate to two Class mean 13 classifications. Class mean 13 was representative of Ferroaxinite (USGS library spectra matched .711/1) Class 7 was classified as magnesiochromite (JPL library spectra mathed.744/1). There is also evident spatial correlation of the GR K% relative highs to mapped upper Triassic Karmutsen Volcanic rocks with relative lows correlated to the Intrusive granodiorites. (Figure 5 IDW) While the results of the field work did not resolve any high probability drill targets it has added georeferenced data and meaningful information for further exploration.

CONCLUSIONS

This remains an area of considerable potential which is supported by this work and analyses.

The area identified as the western swamp region should be more thoroughly explored. This may be accessed by waterborne all terrain vehicle to conduct representative soil probe analysis of the subaqueous soils/regolith. The swamp region is also the area which contained significant spectral anomaly in the preceding work.

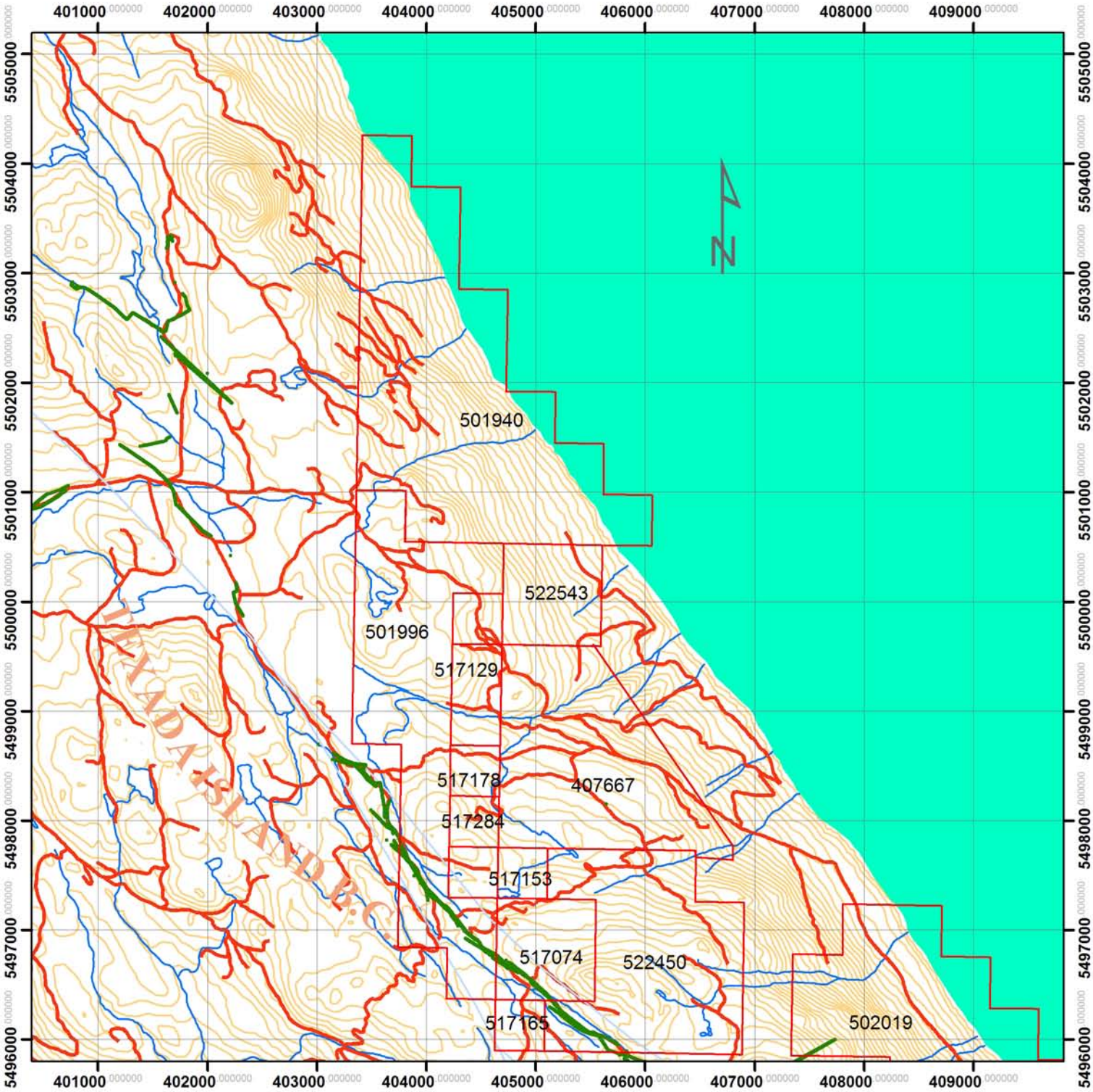
STATEMENT OF WORK

The Exploration Field Work was carried out by Auracle Geospatial Science Inc. between March 1st and December 1st of 2008. Site work took place beginning March 16th 2008 and was completed march 28th 2008.

While the actual cost of the work exceeds the amount (please see appendix I) applied to this assessment report, it agrees with the budget allowed to complete the work and is reduced from an aggregate total of $21,658.45.00 to an applied total of $15,000 for this tenure group only in accordance with a lump sum agreement for the conduct of the work.

Filing fees amount to $777.45.

[i] J. Shearer M.Sc., P. Geo. Assessment report on the Long Beach Claims ARIS #27799



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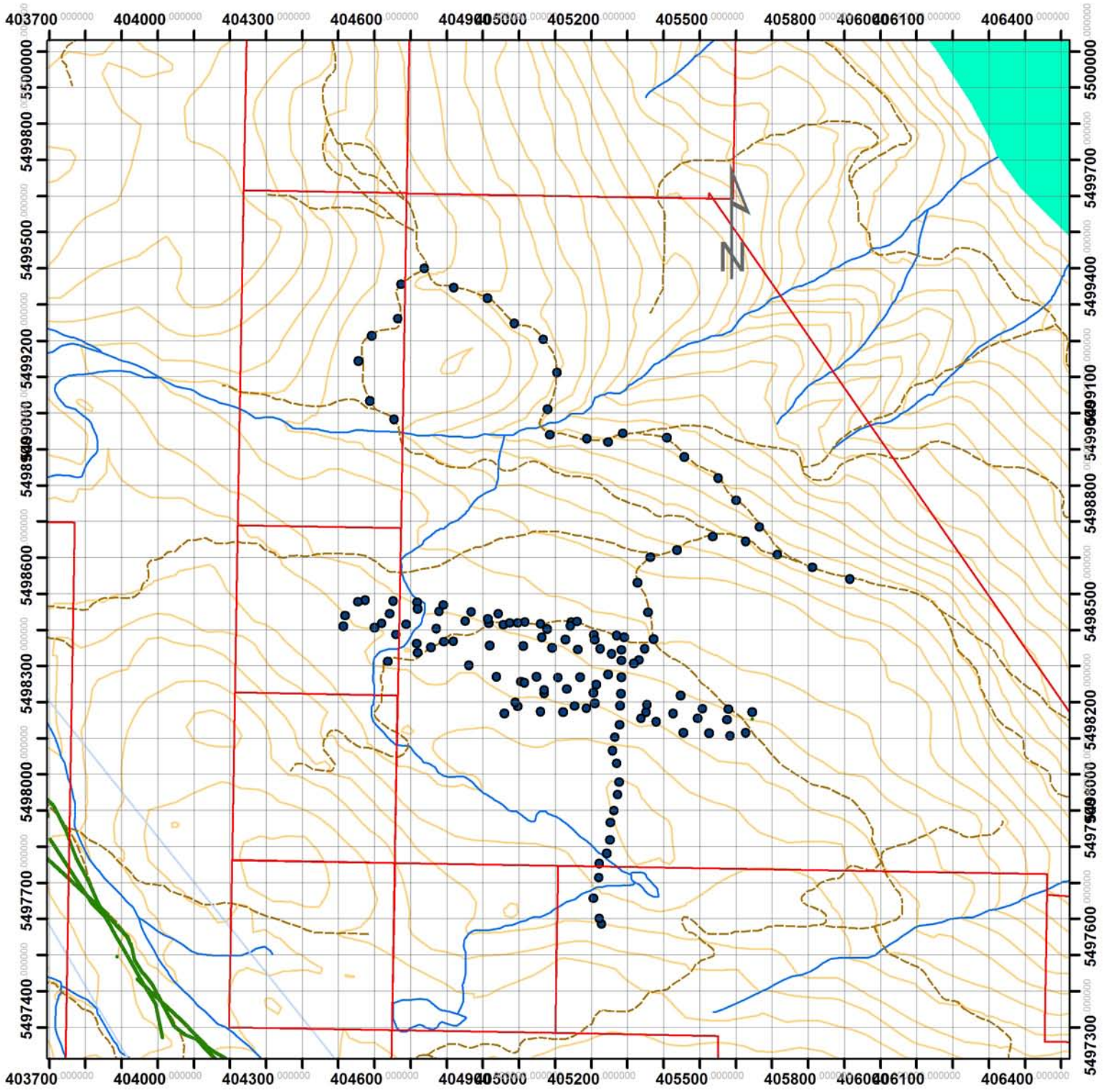
NORTHSTAR MINING LTD.
TEXADA ISLAND
DUDE GROUP main
Work locations and GR stations

Datum WGS 84 UTM 10N



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- tlake

NORTHSTAR MINING LTD.
TEXADA ISLAND
DUDE GROUP main
Work locations and GR stations

Datum WGS 84 UTM 10N

Waypoint	X	Y	Z	K_	Total
161	405246.16	5498919.81	277.36	2.0	320.9
164	404636.73	5498312.17	414.22	0.5	100.9
165	404719.50	5498336.30	411.17	0.9	120.6
166	404790.82	5498366.18	410.26	0.6	95.1
167	404956.33	5498413.33	395.02	0.7	127.5
169	404974.48	5498418.57	388.61	0.7	106.6
0	405372.45	5498374.92	383.13	0.7	129.8
0	404755.16	5498351.24	0.00	0.4	86.1
182	405224.62	5498347.47	401.11	0.8	135.0
183	405161.73	5498345.24	403.55	0.8	121.6
184	405091.02	5498349.81	405.99	0.6	127.9
185	405010.95	5498355.66	415.44	1.3	143.9
186	404918.49	5498356.16	420.31	0.3	93.7
187	404817.57	5498367.94	418.49	0.4	118.8
188	404771.24	5498403.23	411.17	0.5	85.9
189	404687.65	5498414.70	413.30	0.5	122.0
190	404619.81	5498418.12	422.75	0.2	84.8
191	404517.60	5498438.82	421.53	0.5	92.3
192	404512.76	5498409.99	430.37	0.4	96.5
193	404599.38	5498406.24	423.06	0.5	101.5
194	404659.72	5498387.39	422.45	0.4	98.4
195	404716.34	5498361.93	422.45	0.3	116.8
0	405245.76	5498275.93	405.99	1.4	321.9
197	405212.78	5498248.71	414.22	0.3	90.6
198	405169.06	5498268.38	415.74	0.6	125.8
199	405107.64	5498267.22	419.40	0.5	114.5
200	405048.46	5498270.48	419.70	0.6	117.0
202	405004.16	5498256.80	423.06	0.5	96.2
203	404937.94	5498270.19	426.11	0.6	115.4
204	404861.19	5498301.56	423.67	0.0	1.8
0	404915.95	5498417.37	399.89	0.7	126.8
0	405145.00	5498421.15	387.09	1.8	260.2
0	405256.16	5498333.58	387.09	1.0	155.1
0	405331.69	5498315.58	394.10	0.8	132.9
0	405317.09	5498306.94	388.92	0.6	123.3
808	405290.93	5498379.18	409.00	0.5	116.4
809	405282.37	5498343.41	411.00	0.3	98.9
810	405282.36	5498314.77	414.00	0.3	106.6
811	405283.17	5498269.10	420.00	0.5	113.7
812	405281.35	5498223.34	428.00	0.5	107.2
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816	405258.31	5498065.18	459.00	0.4	127.3
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819	405272.29	5497943.17	475.00	0.4	90.0
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23	405066.65	5499204.13	305.00	2.3	279.6
24	405105.36	5499112.20	302.00	1.9	252.9
25	405078.10	5499010.54	294.00	1.7	255.8
26	405084.91	5498939.19	281.00	1.9	289.1
27	405187.89	5498930.16	290.00	2.2	308.3
28	405287.04	5498943.14	277.00	1.7	287.6
29	405409.13	5498931.50	273.00	1.4	251.8
30	405457.08	5498879.14	280.00	1.4	200.6
31	405551.53	5498819.70	284.00	1.6	237.8
32	405599.95	5498758.38	282.00	1.1	218.7
33	405665.62	5498684.41	299.00	1.4	234.3
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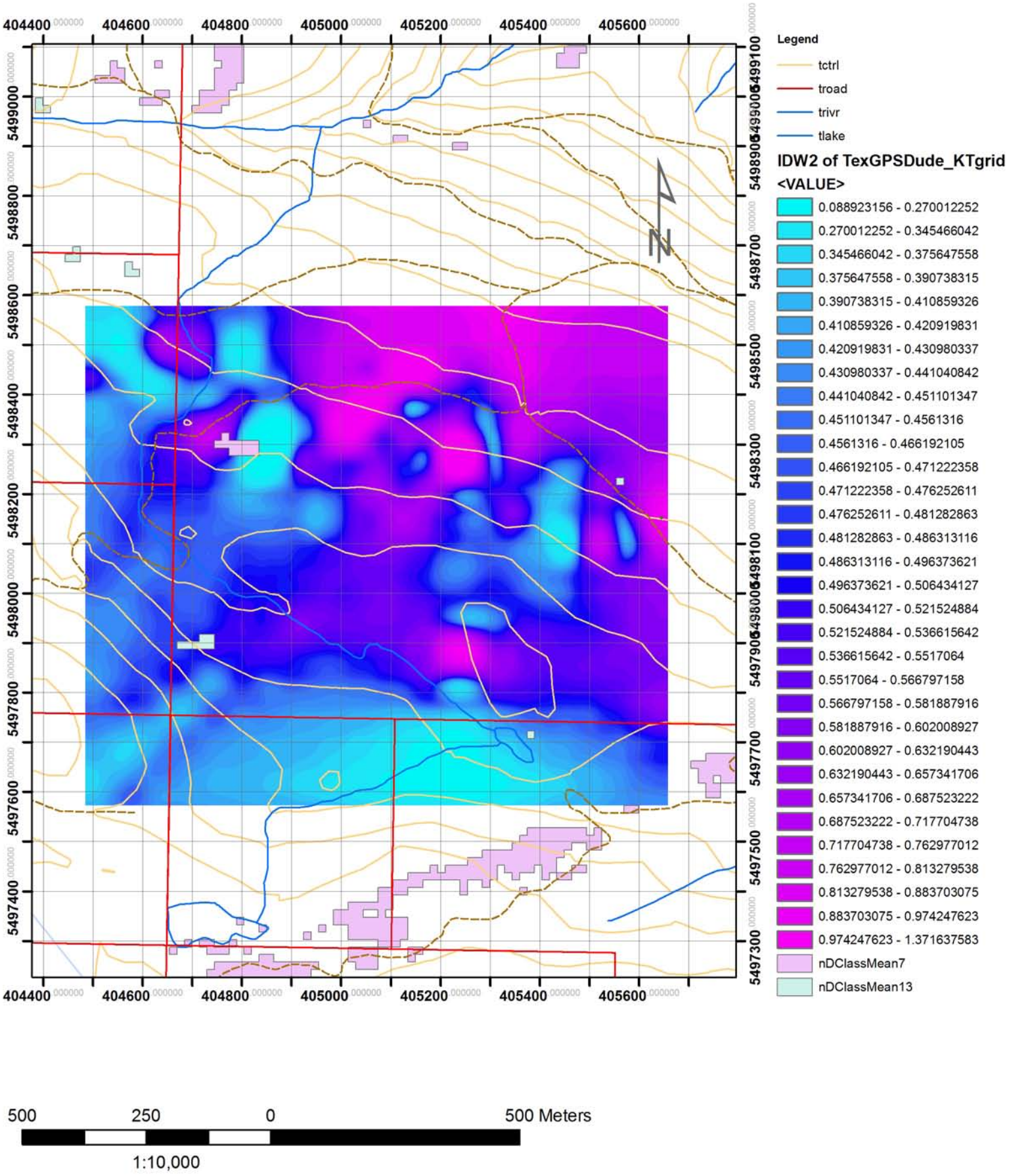

500 250 0 500 Meters

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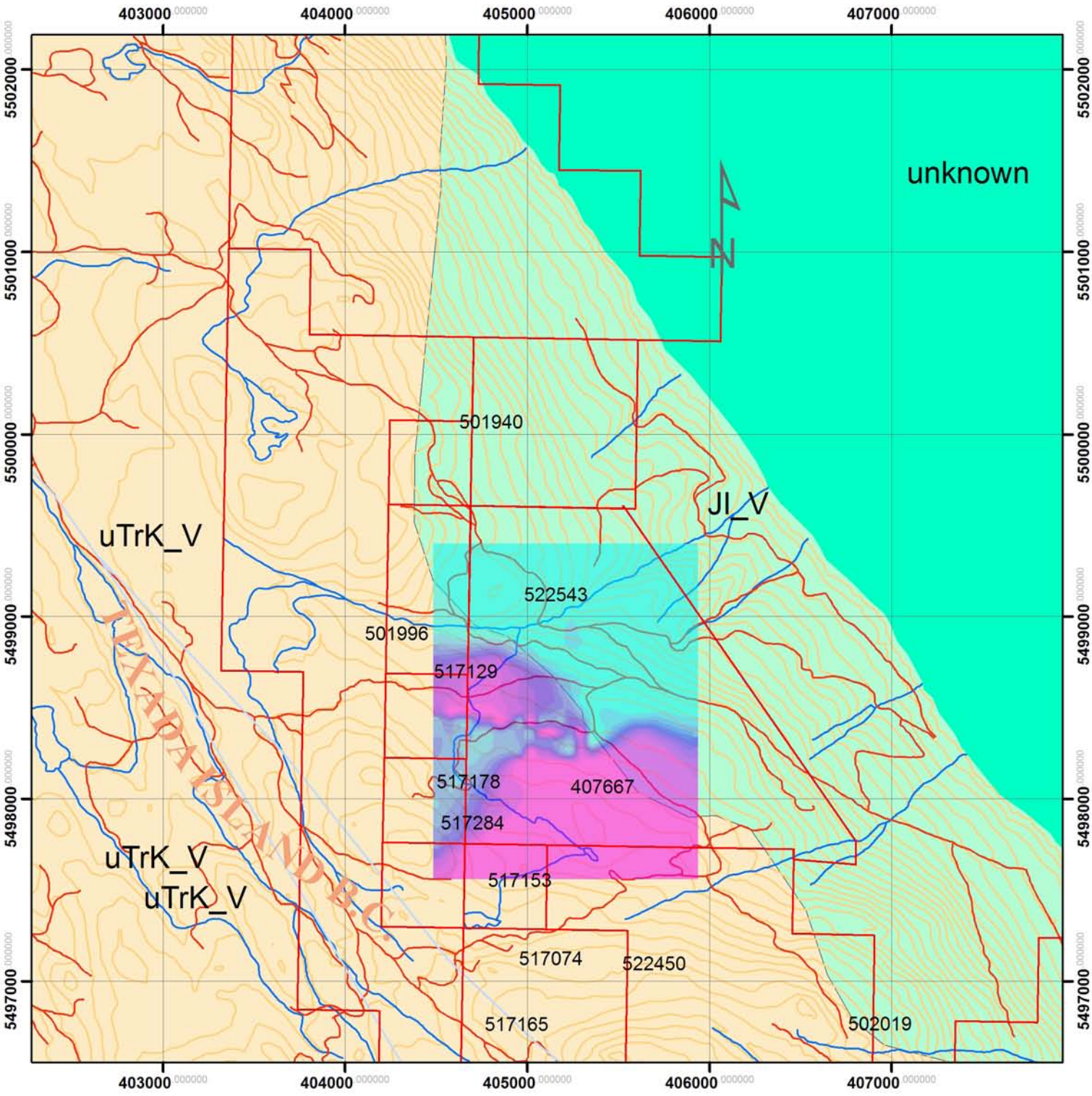
NORTHSTAR MINING LTD.
TEXADA ISLAND
DUDE GROUP main
Gamma Ray spectra (K%) IDW with Spectral Classes

Datum WGS 84 UTM 10N



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NORTHSTAR MINING LTD.
TEXADA ISLAND
DUDE GROUP main
Regional Geology and GR overlay

Datum WGS 84 UTM 10N

Legend

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SW BC								
DUDE Group Project		Main Tenure Block						
2008Work B	Budget							
Project Area: ***Texada***								
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Personnel								
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	QP			$/Day(8hr.)	$650.00	1	5	$3,250.00
	Field Assistants			$/Day(8hr.)	$350.00	2	6	$4,200.00
	Other			$/Day(8hr.)				
Travel								
	Lodging	R and Board		$/Day/Pers	$100.00	6	6	$3,600.00
	Lodging Short Sta	R and Board	QP	$/Day/Pers	$100.00	1	0	$0.00
	Meals		travel meals	$/Day/Pers	$30.00	2	6	$360.00
	Vehicle			$/Kilometre	$0.42	1	280	$117.60
	Fuel	Unimog					1	$1.00
	Fares	Ferry Powell River			$132.30	4	0.75	$396.90
		Ferry Texada			$66.95	2	0.75	$100.43
		Ferry Pass PR	Return		$11.05	6	0.75	$49.73
		Ferry Pas Tex			$4.10	4	0.75	$12.30
Misc Costs								
	Materials							
	Supplies							
	Misc.							
Communications								
	Satellite			$/Week	$30.00	1	0	$0.00
	Sat Phone			$/month	$275.00	1	0	$0.00
	Radio			$/Week				
Field Equipment Rental								
	Unimog			$/Day	$200.00	1	0	$0.00
	Generator			$/Week	$250.00	1	6	$1,500.00
	Dryer heater			$/Month	$98.00	1	0	$0.00
	ATV			$/Day	$100.00	2	6	$1,200.00
	Aircraft	J Ranger		$/Hour				
		Mob & Demob	fuel inc	$/Minute	$18.89	150	0	$0.00
		Daily	fuel inc	$/Minute	$378.00	4	0	$0.00
		L Ranger						
Tech Equipment Rental								
	Computer			$/Day	$25.00	1	0	$0.00
	CDGPS			$/Day	$30.00	1	6	$180.00
	Gamma Ray Spectrometer			$/Week	$500.00	1	3	$1,500.00
	SWIR Spectrometer			$/Week	$850.00	1	0	$0.00
Sampling equipment Rental								
	Soil Probe		portable	$/Week	$1,550.00	1	0	$0.00
	Tips		wet cutting	$each	$144.19	1	0	$0.00
	Core Tubes	36"	clr vinyl	$ per set of	$26.75	2	0	$0.00
SampleAnalysis								
	Sample prep							
	Drying		onsite	$/week				
	Sample Bags			$each	$0.30	15	19	$85.50
	Chemical analysis		Uassay	$perSample	$12.15	0	5	$0.00

Fuel								
	ATV			$/Day	$10.00	2	6	$120.00
	Probe			$/Day	$20.00	1	0	$0.00
	Heater		dryer	$Day	$10.00	1	0	$0.00
Data Acquisition								
Mapping and Reporting								
	Mapping							$1,100.00
	QP report			cost			0	$0.00
	Priniting and copying							
Licences and Permits								
	Exploration Permit							$0.00
	Bond							$0.00
	WCB	inc						$0.00
	Insurances	Equipment						$325.00
		Liability						$260.00
	ATV	in rental						

Office and Admin	Filing fees	
		$21,658.45
	Total	$21,658.45

Note: this total was **reduced from $21,844.90** plus filing fees to $15,000 to reflect contract lump sum agreement

Travel to access this tenure was apportioned as %75 of toal to the main group and 25% to tenure #502019

Statement of Qualification

I, David J. McLelland, do hereby certify that:

1. I am a Principal in:
Auracle Geospatial Science Inc,
325 Dorset Road Qualicum Beach,
British Columbia, Canada V9K 1H5

2. I am a post graduate student of Earth and Environmental Science and have completed the postgraduate certificate in applied and theoretical GI Science at Simon Fraser University. I was awarded a Master of Science with Distinction for studies in GI Science and remotes sensing from Manchester Metropolitan University.

3. I have completed the B.C.I.T. B.C.Y.C.M. Mineral Exploration program, and Completed the B.C.I.T.1 B.C.Y.C.M. Advanced field School.

4. I am the Project Manager and I am responsible for the collection and management of data and execution of analysis.

5. This report was prepared on behalf of Auracle Geospatial Science who has been engaged by Northstar Mining Ltd. to complete a work program on these properties.

6. I have no material or financial interest in the subject properties or the companies that own them.

7. This report has been prepared in accordance with generally accepted Scientific Principles and is based upon the best information available at the time of preparation. I am not aware of any material fact or material change with respect to the subject matter of the report that is not reflected in the report.

Date: Dec 1 2008
Qualicum Beach, British Columbia

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David McLelland