BRITISH COLUMBIA

# ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE OF REPORT: Baymag 2014 Assessment Report**

**TOTAL COST: $66,258.93**

AUTHOR(S): Ian Knuckey, Fabio Stern, Brody Myers
SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):n/a
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S ): 5522744

YEAR OF WORK: 2014
PROPERTY NAME: Baymag
CLAIM NAME(S) (on which work was done): 213678, 213681, 213682, 213794, 213796, 213798, 596228, 596229, 596230, 596231, 596506, 596507, 596512, 596513, 596514, 596515, 596516, 596517, 596518, 596519, 596521, 596528, 596529, 596530, 597888, 597889

COMMODITIES SOUGHT: magnesite

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN:

MINING DIVISION: Golden
NTS / BCGS: 82 J / 13
LATITUDE: 50 ° 47 ' "
LONGITUDE: 115 ° 41 ' " (at centre of work)
UTM Zone: EASTING: NORTHING:

OWNER(S): Baymag Inc.

MAILING ADDRESS: Box 399, Radium Hot Springs, BC, V0A 1M0

OPERATOR(S) [who paid for the work]: Baymag Inc.

MAILING ADDRESS: Box 399, Radium Hot Springs, BC, V0A 1M0

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)
Magnesite, cathedral formation, carbonates

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

| TYPE OF WORK IN THIS REPORT | EXTENT OF WORK (in metric units) | ON WHICH CLAIMS | PROJECT COSTS APPORTIONED (incl. support) |
|---|---|---|---|
| GEOLOGICAL (scale, area) | | | |
| Ground, mapping | 135 $km^2$ | 213678, 213681, 213682, 213794, 213796, 213798, 596228, 596229, 596230, 596231, 596506, 596507, 596512, 596513, 596514, 596515,596516, 596517, 596518, 596519, 596521, 596528, 596529, 596530, 597888, 597889 | $46,510 |
| Photo interpretation | | | |
| GEOCHEMICAL (number of samples analysed for ...) | | | |
| Soil | | | |
| Silt | | | |
| Rock | 106 | | $6360 |
| Other | | | |
| DRILLING (total metres, number of holes, size, storage location) | | | |
| Core | | | |
| Non-core | | | |
| RELATED TECHNICAL | | | |
| Sampling / Assaying | | | |
| Petrographic | | | |
| Mineralographic | | | |
| Metallurgic | | | |
| PROSPECTING (scale/area) | | | |
| PREPATORY / PHYSICAL | | | |
| Line/grid (km) | | | |
| Topo/Photogrammetric (scale, area) | | | |
| Legal Surveys (scale, area) | | | |
| Road, local access (km)/trail | | | |
| Trench (number/metres) | | | |
| Underground development (metres) | | | |
| Other | | PAC | $13,388.93 |
| | | TOTAL COST | $66,258.93 |

BC Geological Survey
Assessment Report
35121

Baymag

2014 GEOLOGICAL REPORT

## GEOLOGICAL EXPLORATION

Consisted of mineral exploration on Baymag Mineral Claims.

## GOLDEN MINING DIVISION

## NTS 82 J/13 @ 562700 N, 593000 E

## LATITUDE 50 47' N LONGITUDE 115 41' W

## CLAIMS OWNED BY: Baymag Inc.


## AUTHORS: Ian Knuckey, Fabio Stern, Brody Myers



## DATE SUBMITTED: December 9, 2014

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# 1 INTRODUCTION

This report summarizes activities and results from the geological exploration program carried out by Baymag Inc. between May and September 2014.

During five months two geologists conducted field work in the area with the main objective of evaluating potential viable sources of magnesite ore. The main executed activities were: field reconnaissance, geological mapping, rock description and sampling. All samples were described, labeled and sent for chemical analysis. Throughout this time, several new outcrops were identified and 110 samples were collected and analyzed.

Baymag Inc. personnel were responsible for the program's design, coordination, field supervision, sampling and handling.

Geochemical composition of the samples was determined through application of Induced Coupled Plasma (ICP) analysis, at the Baymag chemical lab in Exshaw, Alberta.

## 1.1 Location and Access

The Mt. Brussilof Magnesite Mine is located within Mining Lease M31, immediately north of the confluence of the Mitchell River and Assiniboine Creek approximately 35 km north-east of Radium Hot Springs in the East Kootenay District of British Columbia (See Fig.01). The property is crossed by latitude 50°47'N and longitude 115° 41'W.

Access to the site is by Provincial Highway 93 from Radium Hot Springs northeast to Settlers Road in Kootenay National Park. The road, which starts about 20 km east of Radium, leads for 12 km south/southeast along the Valley of the Kootenay River. At the 12 km mark Palliser Forest Service Road (FSR) branches off from Settlers and continues over a bridge on the Kootenay River then connects to Cross River FSR at the 14 km junction. From the junction Cross River FSR follows a northeast direction along the south side of the Cross River valley to another junction at 32 km. Baymag's mineral tenures begin here and access can be gained by either heading northward on the Mitchell River FSR or eastward continuing along the Cross River FSR.

The Baymag minesite is accessed by heading up the Mitchell River FSR (Fig. 01). In total the roads cover a distance of 38 km from the highway to the Mine Site and are maintained year round by Baymag Inc.

## 1.2 Previous Work

Exploration activities performed on the area have a long and rewarding history. They resulted in a discovery of a world class magnesite deposit, which currently is mined and processed by Baymag Inc.

Commercial scale mining started in the second quarter of 1982 and has increased dramatically since then. The Mine is an open pit development and operates year round. Currently it produces in the order of 180,000 mt/year of high quality magnesite ore.

The ore is subsequently transported to Baymag's production facilities in Exshaw, Alberta where it is calcined into various grades of magnesium oxide (MgO). The calcined product is used in a wide variety of industrial, agricultural and environmental applications. Baymag produces several grades of MgO suitable for all of these purposes.

The history of the mine started in 1966 when G.B. Leech of the Geological Survey of Canada first discovered magnesite occurrence. Rock samples collected during the time upon chemical assaying showed high contents of MgO. The content was consistently reaching or exceeding 97% MgO level. Because of the Leech report, New Jersey Zinc Exploration Canada Ltd. staked the area and conducted a mapping and diamond drill program. Imperial Oil Enterprises also investigated the area but no additional work was performed. Baykal Minerals Ltd. conducted a mapping program in 1969, which resulted in acquisition of additional claims to bring the total to 278. Following the completion of fieldwork in 1969 to 1970, which included diamond-drilling programs, Acres Western Limited of Vancouver completed a production feasibility report for Baykal Minerals Ltd.

During 1971 Brussilof Resources Limited and Baykal Minerals Ltd. amalgamated to form Baymag Mines Co. Limited.

The property was optioned to Canadian Exploration Limited (CANEX) in 1972. CANEX conducted a field orientation program that included 2819.4 meters of diamond drilling to bring the total length then drilled on the property to 5,255 meters. Geological mapping of specific areas was also completed.

In 1975, a 250 mt. bulk sample was shipped to Refratechnik, a major German producer of refractory products, which showed interest in securing a raw material source. Crushed material was then forwarded to the research and manufacturing companies KHD, Lurgi and Polysius for industrial scale bulk testing for calcining and dead-burning Mt. Brussilof type ore.

In 1979 Baymag Mines Co. Limited - a subsidiary of Refratechnik GmbH of West Germany - contracted Techman and Kilborn Engineering (B.C.) Ltd to re-evaluate the feasibility of bringing the magnesite deposit into production. The evaluation involved surveys, 130 meters of percussion drilling, 75 meters of shallow diamond drilling and bulk sample extraction. A 100 ton sample of magnesite was extracted from a site on Rok 17 (now mine lease M31) and shipped to a crusher to be reduced to a minus 10 millimetres mesh. The crushed sample was then shipped to Nichols Engineering and Research in New Jersey for industrial scale dead burning trials.

In 1981, Baymag entered into a contractual agreement with John Wolfe Construction Co. Ltd to operate the mine and to be responsible for ore supply to the production plant at Exshaw, Alberta, a facility leased from Canada Cement Lafarge.

During 1984, eight exploration holes totalling a length of 731.5 meters of diamond drilling was completed on the Rok 17 claim. The core was descriptively logged, sampled and assayed.

A major exploration program was conducted in 1987, the purpose of which was to investigate the extension of the known magnesite deposit up-slope from the current pit development and further delineate and evaluate the quality and quantity of the ore in the immediate vicinity of the active mining operations. Thirty-four diamond drill holes totalling 2707 meters were drilled, logged, sampled and assayed.

A smaller exploration program was conducted in 1989 in two areas of the claim block. In the area proximal to the current mine development, the goal was to further delineate and evaluate the quality and quantity of ore immediately north of the known reserves. Fifteen shallow diamond drill holes totalling 273 meters were drilled, logged, sampled and assayed. The other area of interest was near the confluence of the Cross and Mitchell Rivers on the southern Vano claims (now Bay 19 & 21 claims). Ten shallow diamond drill holes totalling 110 meters were drilled, logged, sampled and assayed.

The following year Baymag acquired new ground up the Alcantara, Assiniboine and Aurora Creeks bringing the total number of claims to 461 units.

A small, percussion drilling program was conducted in 1990 with the goal of delineating zones of contamination near the little explored upper pit area. A total of 370 meters was drilled, sampled and assayed. It became evident that these localized contamination zones greatly influence the direction of pit development. Future drill and assay programs will be targeted toward these structures.

Eight shallow percussion holes were drilled in the summer of 1991 to further delineate the zones of contamination in the north section of the upper pit. A total of 166 m were drilled, logged and assayed.

A diamond-drilling program consisting of 16 holes was drilled in the summer of 1992. A total of 950 m was drilled, concentrated in an area immediately north of the upper pit. The program hoped to delineate new reserves and determine future pit development.

A small exploration program was conducted in 1993 on the Bay-21 claim. Three diamond drill holes totalling 182 meters were drilled, logged, sampled and assayed.

At the end of the 1993 exploration program, a total of 27 percussion holes and 145 diamond drill holes had been drilled on the property.

The last drilling program was executed in 2011, in the Struna Creek area (approximately 3.5 km south from the Baymag Magnesite Mine), where 5 diamond drill holes were drilled. As a result of the drilling a total of 776.1 meters of core was recovered. Subsequently 470 samples were taken from the core for purpose of mineral and chemical evaluation.

In the summer of 2012, an exploration program was conducted with the objective of evaluating potential viable sources of magnesite ore. Significant portions of the claims were mapped with a total of 105 analyses performed on rock samples collected. Three areas located within Baymag claims (Struna Creek, Aurora Creek, Miller Pass) showed geochemical evidence for existence of magnesite mineralization.

Most recently, in the summer of 2013 an exploration program was conducted with the objective of further evaluating areas previously identified as well as continuing the systematic mapping of the entire claim block. Six areas located within Baymag claims (Struna Creek, North Struna, Assiniboine Creek, Aurora Creek, Miller Pass and Cross River) showed geochemical evidence for existence of magnesite mineralization. These areas (excluding Cross River) were further investigated in the 2014 exploration campaign, with greater focus on three new areas: West Alcantara Creek, East Alcantara Creek and Marvel Pass.

## 2 GEOLOGICAL SETTINGS

According to Simandl and Hancock (1990) the Mount Brussilof deposit is situated east of a Cambrian bathymetric feature commonly referred to as the Cathedral escarpment. The carbonate rocks east of this feature, which host the magnesite mineralization, were deposited in a shallower marine environment than their stratigraphic equivalents to the west.

The magnesite deposit occurs in the Cathedral Formation (Fig. 02), a Middle Cambrian buff and grey limestone and dolomitic body with about 340 meters thick.

The carbonate rocks from Cathedral Formation are underlain by the thin bedded, brown and green shales of Naiset Formation and overlain by the argillaceous dolomites and limestones of the undivided Eldon and Pika Formations. The thin Stephen Formation, composed of fossiliferous tan to grey shale might occur at some locations between Cathedral and Eldon Formations.

It is suggested that the magnesite postdates early diagenesis of the Cathedral Formation and probably of the Stephen, Eldon and Pika formations as well. Widespread dolomitization, subsequent fracturing, and brecciation contributed significantly to an increase in porosity. Some of the fracturing may be due to reactivation of a pre-Cathedral escarpment fault or to a difference in competence of deep and shallow water sediments during the post-Middle Cambrian tectonic activity. However, most of the breccias were probably produced by a partial dissolution and collapse of the carbonate host rock, caused by incursion of meteoric water or hydrothermal solutions in the manner described by Sangster (1988). Fluids responsible for crystallization of coarse sparry carbonates reacted with dolomitized, permeable and fractured reef facies along the Cathedral escarpment and moved up-dip along the permeable zones. The fluid cooled and evolved chemically along its path due to interaction with dolomitic host rock. Predictions based on this model suggest that the highest grade magnesite deposits should be located along the edge of the Cathedral escarpment, within the reef facies. Lower grade magnesite deposits and sparry dolomites would be located at a greater distance up-dip from the Cathedral escarpment along the same permeable zones, or adjacent to escarpment but in the zones of lesser permeability.

### 2.1 Geology of the Orebody

The genesis of the deposit is thought to be mineralogical replacement or molecular substitution. As such, the process occurred when a fine-grained dolomite $CaMg(CO_3)_2$ was substituted by a coarse-crystalline magnesite $MgCO_3$. The replacement, when taking place in geological past, likely included several phases of progressive influx of magnesium (Mg) rich fluids into existed dolomite sediment.

On the molecular basis, the incursion resulted in a near complete removal of $Ca^{+2}$ from chemical structure of the sediment and a fill up of available vacancies with $Mg^{+2}$. The above chemical process was accompanied by a textural transformation, where original fine-grained layout of dolomite molecules was transposed into coarse-crystalline texture of newly formed magnesite.

When viewed on a large scale the deposit is a relatively homogenous, high-grade orebody. Its appearance is well defined by a white to light-grey colour and remarkably evident crystalline texture of the magnesite rock.

Closer examination, predominantly by chemical analysis, have identified that broad irregular zones of contaminants occur through such forms as veining, in-filling of fractures and within the magnesite matrix itself. The value of these contaminants and the form in which they occur play a key role in determining whether the material is considered as ore or waste.

The components of vein material are generally fine-grained pyrite and/or aphanitic white dolomite. Veins occur as irregularly oriented structures with individual veins swelling to thickness of 10 cm and pinching out to nothing. Some veins, especially pyrite, tend to form in swarms covering areas tens of meters wide.

In-filling of fractures occurs in thickness up to 5 cm and generally occurs as a light brown silty clay material, aphanitic white dolomite or as pyrite. Minor occurrences of palygorskite can sometimes be seen coating fracture walls. The fractures are generally narrow elongated curvy-planar structures with local deviations of strike and dip. An invisible chemical halo often brackets the more visible fracture. These halos pinch and swell in a similar manner as veining but on a larger scale.

The interstitial or in-matrix contaminants are comprised of thin coatings of calcite or dolomite between magnesite crystals or as a simple Ca ion exchange within the crystal lattice itself. This form of contamination is the broadest form, covering areas as wide as 100 meters. With sufficient drilling, these areas can now be generally classified in the complimentary and marginal ore types, as contaminant values are usually less than occur in the other forms of contamination.

The competitive market and specific end uses of magnesite, place a great importance on the chemical specification of the product. Somewhat unique to industrial minerals and magnesite in particular, as opposed to metal mining, is the requirement of continually meeting a set grade specification without receiving any bonus for surpassing it. Material under spec on the other hand, has a very sharp value cut-off and is essentially valueless mere tenths of a percent below spec.

# 3 DETAILED TECHNICAL DATA AND INTERPRETATION

## 3.1 Objective

The primary objective of the 2014 Exploration Program was to continue the previous year's program conducting a geological and geochemical evaluation on Baymag's Mineral Claims (Fig. 03) of potentially viable sources of magnesite ore.

## 3.2 Methodology

The regions of interest were reached primarily by Forest Service Roads (FSR). After driving to the area of investigation, the trek continued on foot. The daily treks, outcrops and samples were tracked by a handheld GPS.

Rock that was determined to be outcrop was described and recorded in a field book as well as marked on a handheld GPS. To describe the outcrops, hand samples were obtained and characteristics such as crystal/grain size (where crystals <2mm =fine, 2-6mm = medium, and >6mm = coarse), texture, color, mineral inclusions, level of reactivity with 10% hydrochloric acid (HCl) and hardness were observed and recorded within a field book. After these characteristics were observed, the lithology was determined.

After description and identification, rock samples were selected, cut in half, and sent for chemical analysis. Remaining sample halves were safely stored at the mine for future reference if needed.

The chemical assaying was performed by Baymag's laboratory at the processing Plant in Exshaw, Alberta. It resulted in quantitative determination of MgO, CaO, $Fe_2O_3$, $Al_2O_3$, and $SiO_2$ as major components of the researched material. All chemical analyses are Lost of Ignition (LOI) basis. Appendix A provides a complete set of chemical data obtained from the program.

## 3.3 Results

The fieldwork conducted in the study area described and identified several outcrops of dolomite, magnesite and limestone. A total of 110 samples were analyzed in this campaign, helping to identify new magnesite outcrops. The chemical analysis results are shown in Appendix A.

The 2014 exploration campaign focused on three potential areas: Marvel Pass, West Alcantara Creek and East Alcantara Creek (Fig. 04). In addition, five areas studied in both 2012 and 2013 were further investigated, these included: Struna Creek, North Struna, Assiniboine Creek, Aurora Creek and Miller Pass. Among these areas, new outcrops of magnesite were described and sampled. All the areas studied in the 2014 campaign are described in detail below.

### *3.3.1 Marvel Pass*

The Marvel Pass area (Fig. 05) is dominated by fine grained, crystalline, massive, grey/white dolomite. Disseminated pyrite is commonly an accessory mineral and is usually ≤1mm. Magnesite outcrops were not identified in this area, nor were replacement textures associated with the transition from dolomite to magnesite (pinolite). Interbedded with these dolomites is fine grained, grey, massive limestone. These layers are typically several meters thick and are laterally continuous. Occasionally the limestone shows bedding, in such cases the orientation was measured and recorded. During explorations up the surrounding mountain, outcrops were not detected until an approximate elevation of 1775m. Below this elevation, the valley floor is covered by vegetation and transitions to talus as you near the cliff above. The valley is easily accessible due to the Marvel Pass hiking trail in the area. Above 1775m looms a steep cliff, which begins approximately at the contact between the underlying Naiset Fm. and overlying Cathedral Fm... Access above the cliff was possible only in one area; from there exploration could continue east/west with a wide, accessible range to the south. Samples were collected from dolomite outcrops within the Cathedral Fm. The maximum elevation reached was 2121 meters, where the contact between the underlying Cathedral Fm. meets the overlying Stephen Fm. shale.

A total of 15 samples were collected in this area. Among all the samples analyzed, the rocks show MgO ranging from 53 to 66.1%, $Fe_2O_3$ and $SiO_2$ are low (< 2.1% and < 0.7% respectively), and CaO ranges from 33.3 to 46.3%.

### *3.3.2 West Alcantara Creek*

Extensive field work was conducted on the west side of Alcantara Creek (Fig. 06). The outcrops observed were located between 1450m and 2151m elevation. Magnesite was observed exclusively in boulders north of Brussilof Creek, sometimes occurring in large boulder gardens on the mountain. In this case, the provenance of the boulders is likely the Cathedral Fm. which is thought to be mostly buried under talus from the overlying Eldon Fm. On this side of the creek the Stephen Fm. was not observed. The contact between the Cathedral and Eldon Fm. lies at the base of a large, steep and laterally extensive cliff in this area. Due to having no access above the base of the cliff, it is also possible that the origin of the magnesite boulders is somewhere in the cliffs (Eldon Fm.). This is less likely due to the fact that the boulders are well sorted (on a lithological basis, not size) which would be improbable if they fell from the cliffs. The rocks have similar characteristics to each other such as: grain size, texture, colour, reactivity with 10% HCl and lithology. These boulder gardens contained few rocks that had similar characteristics to the overlying cliff, suggesting that the rocks did not come from the Eldon Fm., and are instead a remnant of the once exposed Cathedral Fm. Evidence of partial replacement of dolomite to magnesite was occasionally observed in outcrops along the base of this cliff which was displayed in rocks with pinolite texture. The dominant lithology making up the base of the cliff is fine grained dolomite with lesser fine grained, massive limestone. Disseminated pyrite is commonly seen as an accessory mineral in dolomite samples and is usually ≤1mm. The cliff dips toward the south, beginning at an approximate elevation of 2000m (from there it does not begin again until approximately 2150m) in the north and ending around 1900m in the south. Between Brussilof Creek and about 1.2km up Alcantara Creek FSR, 16 treks were completed. The rocks in this area that were studied lie within the Eldon Fm., however the Stephen Fm. was never observed to confirm this. All of the rocks in this area were described as dolomite (except for two outcrops of fine grained, massive and bedded, grey limestone), having the following characteristics: dominantly massive texture including lesser amounts of banded, bedded, zebra, laminated, veined and granola texture. Generally grey or white (or both), had grain size ranging from fine-medium, rarely up to coarse, and most of the rocks contained disseminated pyrite.

A total of 42 samples were collected in the West Alcantara Creek area this summer. Bulk rock analysis shows MgO concentrations ranging from 55.96-78.26% for seven samples taken from the base of the cliff (between Brussilof Creek going north until the cliff ends at 2000m and starts again near 2151m). CaO is between 20.6 and 38.8%, $Fe_2O_3$ is ≤ 2.0% and $SiO_2$ is <1.8%. An additional 18 samples were taken in this same range beneath the cliff from boulders and less commonly, outcrops. MgO concentration ranged from 46.17-96.56%. CaO fell between 2.36-52.7% and $Fe_2O_3$ and $SiO_2$ are low, <0.93%, ≤0.53% respectively. In the area between Brussilof Creek and approximately 1.2km up Alcantara Creek FSR, 17 samples were collected that were of dolomitic composition. MgO concentration ranged from 44.36-65.46%, CaO 33.0-54.5%, $Fe_2O_3$ ≤1.0% and $SiO_2$ <0.5%.

### *3.3.3 East Alcantara Creek*

The east side of Alcantara Creek (Fig. 06) was studied to a lesser extent than the west side. On this side of the valley, the Stephen Fm. can be observed in several locations in the mountains making it simple to identify the location of the Cathedral Fm. Again, there are few exposures of the Cathedral Fm. due to it being covered by talus and vegetation. Outcrops north of Brussilof Creek were marked between the elevations 1700m and 2200m. South of this on the Cross River FSR, still on the east side of Alcantara Creek, outcrops were marked between 1550m and 1675m. Boulder gardens similar to the west side of Alcantara Creek were identified near the valley floor in four different locations and are possibly remnant exposures of the Cathedral Fm. Five samples were taken from the southernmost one which contained fine grained, massive dolomites and pinolitic textured dolomites. North of this, along the east bank of Alcantara Creek are two more boulder gardens that are coincident with avalanche slides coming from the west side of the valley. Two samples were obtained from the southernmost one (which was larger, and had the approximate dimensions 75m long by 30m wide) and were medium to coarse grained, white and had granola texture. One sample was taken from the northern most boulder field which had rocks with similar characteristics to the boulders from the south. Approximately 1km north of the end of the road on the east side of Alcantara Creek is another boulder garden where one sample was obtained that was described having the following characteristics: grey/white, medium grained, no pyrite, granola texture, and moderate-high reactivity. Exposures of the Cathedral Fm. were mainly found along creek drainages on the surrounding mountains to the east of Alcantara Creek, in which case they displayed the following characteristics: mainly fine grain size, rarely medium, grey or white colour (or a combination of the two), massive, bedded, laminated, mottled, zebra and one instance of pinolite texture, commonly contained disseminated pyrite as an accessory mineral, and reactivity with HCl was high indicating high $CaCO_3$ concentration. Interbedded with this is fine grained, grey and black, bedded limestone. Where possible, contacts and the orientation of the limestone beds was measured and recorded in order to accurately adjust the geologic map. Limestone was observed commonly between 1690m and 1800m elevation, where it often occurs in mappable scale layers bounded by fine grained dolomite.

In this area a total of 17 samples were collected. Four samples obtained from the boulder gardens yielded MgO concentrations between 84.07% and 93.36%. In all of these samples, CaO was between 5.77-14.50%, $Fe_2O_3$ ranged from 0.62 to 1.22%, and $SiO_2$ was <0.25%. The remaining 13 samples showed low MgO concentrations ranging from 50.63% to 70.35%, with one sample reaching 83.20%. The remaining impurities were as follows: 16.0%≥ CaO ≤48.4%, 0.17%≥ $Fe_2O_3$ ≤0.77%, $SiO_2$ <0.6%.

*3.3.4 Struna Creek, North Struna*

Early in the field season Struna Creek and North Struna were investigated briefly to study the extent of previously identified magnesite outcrops (Fig. 07). Samples were obtained from 15 different outcrops where assay information was lacking south of Struna Creek. These samples were obtained between 1290m and 1600m elevation. The MgO concentration was determined to fall between 85.51-97.75% for all samples. In the North Struna area, 17 samples were obtained between 1442m and 1935m elevation. MgO concentration in these rocks was high, ranging between 86.63-97.95%. The remaining impurities for both areas were as follows: 1.04%≥ CaO ≤17.40%, 0.33%≥ $Fe_2O_3$ ≤3.22% and 0.15%≥ $SiO_2$ ≤3.59%.

*3.3.5 Assiniboine Creek, Aurora Creek*

One sample was obtained in the Assiniboine Creek area and two in the Aurora Creek area where only one day was spent in each (Fig. 08). The trek in the Assiniboine Creek area marked outcrops between1800m and1895m elevation. The sample obtained was described as: white/pink, medium-coarse grained, contained disseminated and veined pyrite up to 2% abundance, had granola texture and had low reactivity with HCl. Assay results determined MgO to be 88.54%, with 8.28% CaO, 2.19% $Fe_2O_3$ and 0.59% $SiO_2$. Outcrops in the Aurora Creek area were marked between 1827m and 1967m. Both samples contained pyrite, were medium coarse grained, grey and white in colour and had massive and granola texture, reactivity was high indicating dolomite composition. Assay results determined MgO concentration to be 64.67% and 52.36%, CaO was 33.70% and 46.60%, $Fe_2O_3$ and $SiO_2$ were both ≤0.66% for both samples.

*3.3.6 Miller Pass*

Two treks were completed in the Miller Pass area to collect data where exploration in 2012 and 2013 had not reached (Fig. 09). Few outcrops were seen due to a thick till blanket covering the Cathedral Fm. One sample was collected having the following characteristics: fine grain size, white colour, banded-massive texture, contained pyrite, and had high reactivity with HCl indicating high $CaCO_3$ composition. MgO concentration was determined to be 44.28% with 55.0% CaO and $Fe_2O_3$ and $SiO_2$ ≤0.61%.

## 3.4 Summary and Conclusions

The Baymag Inc. 2014 exploration was focused around the north and east side of Mount Brussilof in which recent exploration had not been completed. Obtaining more information about the rocks in that area was priority. During the 2014 summer, several outcrops of various lithologies were analyzed. Rocks such as: shale, limestone, dolomite, magnesitic dolomite and magnesite were described. Samples of dolomite, magnesitic dolomite and magnesite were obtained to determine the concentration of MgO, CaO, $Fe_2O_3$, and $SiO_2$ in each sample.

Three potential areas located within claims (Marvel Pass, West Alcantara Creek and East Alcantara Creek) were investigated this summer. Among them, several small areas within West and East Alcantara Creek contained magnesite outcrops. In addition to this, several areas that were explored in the last two summers: Struna Creek, North Struna, Assiniboine Creek, Aurora Creek and Miller Pass were further investigated with the objective of determining and expanding the known extent of previously identified magnesite outcrops and discovering new magnesite outcrops.

Further investigation is still needed to confirm the potential of the areas. Future exploration programs should focus on determining the extent and grade of the magnesite outcrops discovered in the 2012, 2013 and 2014 exploration campaigns as well as exploring areas that have not been studied in these years. The goal is to delineate the horizontal extension of the lithologically crystalline magnesite formation, which hosts the Brussilof Magnesite Orebody.

# 4 Figures

# 5 ITEMIZED COST STATEMENT

The total costs incurred during the 2014 exploration program:

**Figure 10 – Itemized Cost Statement**

| | ITEM | | NUMBER | UNIT | UNIT COST | QUANTITY | TOTAL COST |
|---|---|---|---|---|---|---|---|
| **Personnel** | Geo | **Senior Geo** | **1** | day | $ 189.03 | 84 | **$ 15,878.72** |
| | Geo | **Junior Geo** | **1** | day | $ 180.12 | 89 | **$ 16,030.56** |
| | Supervision | | | hr | $ 41.00 | 129.0 | **$ 5,289.00** |
| | Report Preparation | | | hr | $ 41.00 | 40 | **$ 1,640.00** |
| **Geochem** | Baymag Lab (Exshaw) | sample analysis | | MgO, CaO, $Fe_2O_3$, $Al_2O_3$, $SiO_2$ sample analysis | $ 60.00 | 106 | **$ 6,360.00** |
| **Drilling** | Diamond Drilling | BQTW | | meters | $ 55.77 | 0.0 | $ - |
| | Core Boxes | | | box | | 0 | |
| **Other Operations........................ .......Drill access trail** | Drill Pad Construction | 320 Backhoe | | hr | $ 135.00 | 0 | $ - |
| | Drill Mobilization / demobilization | backhoe pulling | | backhoe (hr) | $ 135.00 | 0 | $ - |
| | | D7 pushing | | D7 Cat (hr) | $ 125.00 | 0 | $ - |
| | Trail Construction | 320 backhoe | | backhoe (hr) | $ 135.00 | 0 | $ - |
| | Settling Pond Construction | | | backhoe (hr) | $ 135.00 | 0 | $ - |
| | Lowbed | mob / demob D7 Cat | | hr | $ 194.62 | 0 | $ - |
| | Lowbed | mob / demob 320 Hoe | | hr | $ 175.00 | 0 | $ - |
| **Transportation** | Pickup (4X4) | | | day | $ 25.40 | 89 | **$ 2,260.23** |
| | rate | | | km | $ 0.38 | 2608 | **$ 982.40** |
| **Accommodation** | camp | | 2 | day | $ 19.16 | 84 | **$ 3,218.19** |
| | | | | | | | |
| **Equipment Rentals** | rock saw | sample prep | | days | $ 10.56 | 11 | **$ 110.85** |
| | blades | sample prep | | blades | $ 125.00 | 0 | **$ -** |
| | chainsaw drill | | | day | $ 20.00 | 0 | $ - |
| | GPS | | | day | $ 5.28 | 89 | **$ 469.81** |
| | Sat phone | | | month | $ 133.93 | 5.00 | **$ 669.64** |
| | Misc supplies | bear spray, hammer, batteries, notebook, propane | | item | $ 193.92 | 1 | **$ 193.92** |
| **Grand Total** | | | | | | | **$ 53,103.33** |

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# 8 APPENDIX A – Samples Assay Sheet

## 2014 Samples

| | Sample # | Assay # | east | north | Rock desc | MgO | CaO | $Fe_2O_3$ | $Al_2O_3$ | $SiO_2$ |
|---|---|---|---|---|---|---|---|---|---|---|
| Struna Creek | S109 | 50710 | 594419 | 5623536 | Magnesite | 94.16 | 4.30 | 0.89 | 0.21 | 0.44 |
| | S110 | 50711 | 594515 | 5623146 | Magnesite | 90.92 | 5.45 | 2.64 | 0.31 | 0.68 |
| | S111 | 50712 | 594445 | 5622745 | Magnesitic Dolomite | 85.51 | 13.59 | 0.65 | 0.05 | 0.20 |
| | S112 | 50713 | 594506 | 5622710 | Magnesite | 90.57 | 7.86 | 0.56 | 0.35 | 0.66 |
| | S113 | 50714 | 594547 | 5622671 | Magnesitic Dolomite | 88.79 | 9.33 | 1.29 | 0.25 | 0.34 |
| | S114 | 50715 | 594636 | 5622789 | Magnesitic Dolomite | 86.81 | 10.80 | 0.89 | 0.45 | 1.05 |
| | S115 | 50716 | 594610 | 5622810 | Magnesitic Dolomite | 89.79 | 8.85 | 0.69 | 0.17 | 0.49 |
| | S116 | 50717 | 594545 | 5622877 | Magnesitic Dolomite | 80.89 | 17.44 | 1.09 | 0.17 | 0.42 |
| | S117 | 50718 | 594609 | 5622996 | Magnesite | 96.78 | 2.44 | 0.48 | 0.01 | 0.30 |
| | S118 | 50719 | 594597 | 5623027 | Magnesite | 96.70 | 1.64 | 0.89 | 0.25 | 0.53 |
| | S119 | 50720 | 594614 | 5623100 | Magnesite | 96.48 | 1.65 | 0.69 | 0.30 | 0.89 |
| | S120 | 50721 | 594527 | 5622564 | Magnesite | 91.24 | 5.06 | 3.23 | 0.16 | 0.31 |
| | S121 | 50722 | 594561 | 5623364 | Magnesite | 97.24 | 1.39 | 1.00 | 0.11 | 0.26 |
| | S140 | 50723 | 594297 | 5621971 | Magnesite | 97.75 | 1.04 | 0.71 | 0.13 | 0.37 |
| | S122 | 50724 | 594344 | 5622184 | Magnesite | 91.18 | 7.51 | 1.04 | 0.12 | 0.15 |
| North Struna | S123 | 50725 | 594196 | 5624147 | Magnesitic Dolomite | 86.64 | 11.91 | 1.07 | 0.09 | 0.30 |
| | S124 | 50751 | 594264 | 5624206 | Magnesite | 94.90 | 3.42 | 0.66 | 0.35 | 0.67 |
| | S125 | 50752 | 594385 | 5624255 | Magnesite | 96.53 | 2.03 | 0.68 | 0.22 | 0.54 |
| | S126 | 50753 | 594400 | 5624351 | Magnesite | 96.26 | 2.25 | 0.57 | 0.26 | 0.67 |
| | S127 | 50754 | 594506 | 5624755 | Magnesite | 96.92 | 1.69 | 0.62 | 0.14 | 0.62 |
| | S128 | 50755 | 594606 | 5624789 | Magnesitic Dolomite | 93.34 | 3.87 | 1.18 | 0.44 | 1.18 |
| | S129 | 50756 | 594636 | 5624744 | Magnesite | 94.86 | 4.17 | 0.54 | 0.13 | 0.30 |
| | S130 | 50757 | 594378 | 5625047 | Magnesitic Dolomite | 92.78 | 2.69 | 0.63 | 0.31 | 3.59 |
| | S131 | 50758 | 594449 | 5625067 | Magnesite | 91.64 | 7.26 | 0.66 | 0.06 | 0.38 |
| | S132 | 50759 | 594095 | 5624998 | Magnesite | 97.95 | 1.50 | 0.33 | 0.04 | 0.18 |
| | S133 | 50760 | 594091 | 5625035 | Magnesite | 97.34 | 1.45 | 0.49 | 0.24 | 0.47 |
| | S135 | 50761 | 594062 | 5624994 | Magnesite | 96.05 | 2.56 | 0.64 | 0.33 | 0.42 |
| | S134 | 50762 | 594055 | 5625032 | Magnesite | 96.38 | 1.72 | 0.34 | 0.66 | 0.90 |
| | S136 | 50763 | 594241 | 5625048 | Magnesite | 96.16 | 2.08 | 0.37 | 0.59 | 0.80 |
| | S137 | 50764 | 594553 | 5625104 | Magnesitic Dolomite | 88.36 | 10.93 | 0.42 | 0.08 | 0.21 |
| | S138 | 50765 | 594612 | 5625186 | Magnesite | 93.58 | 4.00 | 0.56 | 0.12 | 1.75 |
| | S139 | 50766 | 594576 | 5625077 | Magnesite | 93.17 | 5.40 | 0.66 | 0.18 | 0.60 |
| Miller Pass | S190 | 50822 | 599268 | 5618242 | Dolomite | 44.28 | 55.01 | 0.61 | 0.05 | 0.05 |
| Assiniboine Creek | S140 | 50767 | 593823 | 5629321 | Magnesitic Dolomite | 88.54 | 8.28 | 2.19 | 0.40 | 0.59 |
| Aurora Creek | S141 | 50768 | 595605 | 5627249 | Dolomite | 64.67 | 33.76 | 0.61 | 0.37 | 0.59 |
| | S142 | 50769 | 595666 | 5627169 | Dolomite | 52.36 | 46.67 | 0.66 | 0.10 | 0.21 |

## 2014 Samples

| | Sample # | Assay # | east | north | Rock desc | MgO | CaO | $Fe_2O_3$ | $Al_2O_3$ | $SiO_2$ |
|---|---|---|---|---|---|---|---|---|---|---|
| Marvel Pass | S143 | 50771 | 598870 | 5629423 | Dolomite | 56.34 | 41.85 | 1.66 | 0.05 | 0.10 |
| | S144 | 50772 | 598868 | 5629306 | Dolomite | 66.10 | 33.33 | 0.43 | 0.05 | 0.09 |
| | S145 | 50773 | 599539 | 5629790 | Dolomite | 59.96 | 38.36 | 1.56 | 0.05 | 0.08 |
| | S146 | 50774 | 599431 | 5629740 | Dolomite | 60.27 | 37.67 | 1.00 | 0.37 | 0.69 |
| | S147 | 50775 | 596993 | 5629159 | Dolomite | 60.52 | 38.49 | 0.80 | 0.06 | 0.13 |
| | S148 | 50776 | 597269 | 5629166 | Dolomite | 60.46 | 38.80 | 0.22 | 0.20 | 0.32 |
| | S149 | 50777 | 596625 | 5629125 | Dolomite | 61.36 | 38.24 | 0.30 | 0.04 | 0.06 |
| | S150 | 50778 | 596626 | 5628869 | Dolomite | 57.28 | 41.90 | 0.65 | 0.08 | 0.09 |
| | S151 | 50779 | 597173 | 5629329 | Dolomite | 59.19 | 39.53 | 1.17 | 0.05 | 0.06 |
| | S152 | 50780 | 596327 | 5628864 | Dolomite | 59.76 | 38.41 | 1.77 | 0.02 | 0.04 |
| | S153 | 50781 | 597416 | 5629421 | Dolomite | 60.32 | 38.61 | 1.02 | 0.02 | 0.03 |
| | S154 | 50782 | 597267 | 5629331 | Dolomite | 61.54 | 37.79 | 0.59 | 0.02 | 0.06 |
| | S155 | 50783 | 597807 | 5629486 | Dolomite | 61.68 | 36.09 | 2.12 | 0.04 | 0.07 |
| | S156 | 50784 | 599066 | 5629369 | Dolomite | 53.28 | 46.35 | 0.27 | 0.03 | 0.07 |
| | S157 | 50785 | 596735 | 5628937 | Dolomite | 61.06 | 38.38 | 0.40 | 0.06 | 0.10 |
| Alcantara Creek | S158 | 50786 | 600259 | 5620390 | Dolomite | 62.28 | 37.21 | 0.46 | 0.02 | 0.03 |
| | S159 | 50787 | 600672 | 5620407 | Dolomite | 65.46 | 34.15 | 0.35 | 0.01 | 0.03 |
| | S160 | 50788 | 600624 | 5620793 | Dolomite | 63.07 | 36.52 | 0.34 | 0.02 | 0.05 |
| | S161 | 50789 | 600507 | 5621201 | Dolomite | 63.00 | 36.18 | 0.26 | 0.09 | 0.47 |
| | S162 | 50790 | 600324 | 5621344 | Dolomite | 62.98 | 36.43 | 0.47 | 0.04 | 0.08 |
| | S163 | 50792 | 600105 | 5621496 | Dolomite | 55.37 | 42.30 | 0.24 | 0.20 | 1.89 |
| | S164 | 50791 | 601263 | 5621432 | Dolomite | 57.15 | 42.38 | 0.36 | 0.04 | 0.08 |
| | S165 | 50793 | 601313 | 5621391 | Dolomite | 66.49 | 33.09 | 0.35 | 0.03 | 0.04 |
| | S166 | 50794 | 600194 | 5621959 | Dolomite | 44.37 | 54.69 | 0.34 | 0.09 | 0.52 |
| | S167 | 50795 | 600829 | 5622135 | Dolomite | 44.42 | 54.36 | 1.05 | 0.07 | 0.10 |
| | S168 | 50796 | 600954 | 5622224 | Dolomite | 44.92 | 54.50 | 0.45 | 0.05 | 0.07 |
| | S169 | 50797 | 601264 | 5622755 | Dolomite | 51.60 | 47.51 | 0.68 | 0.10 | 0.11 |
| | S170 | 50798 | 601362 | 5622996 | Dolomite | 61.73 | 37.96 | 0.23 | 0.02 | 0.06 |
| | S171 | 50799 | 601119 | 5623184 | Dolomite | 60.92 | 38.27 | 0.60 | 0.11 | 0.11 |
| | S172 | 50800 | 601174 | 5621190 | Dolomite | 61.34 | 38.27 | 0.27 | 0.04 | 0.08 |
| | S173 | 50801 | 601084 | 5623631 | Dolomite | 45.40 | 53.95 | 0.48 | 0.07 | 0.11 |
| | S174 | 50802 | 601219 | 5623562 | Dolomite | 49.37 | 50.15 | 0.31 | 0.08 | 0.09 |
| | S175 | 50803 | 601410 | 5624624 | Dolomite | 61.38 | 38.16 | 0.30 | 0.06 | 0.10 |
| | - | 50815 | 601520 | 5624836 | Magnesitic Dolomite | 80.28 | 18.19 | 1.04 | 0.26 | 0.23 |
| | - | 50816 | 601529 | 5624893 | Dolomite | 46.91 | 52.44 | 0.52 | 0.07 | 0.07 |
| | - | 50817 | 601513 | 5625071 | Dolomite | 69.26 | 30.12 | 0.51 | 0.06 | 0.04 |
| | - | 50818 | 601493 | 5625538 | Dolomite | 52.35 | 46.25 | 1.00 | 0.20 | 0.20 |
| | - | 50819 | 601496 | 5625541 | Dolomite | 58.45 | 40.04 | 1.08 | 0.19 | 0.24 |
| | - | 50820 | 601494 | 5625542 | Dolomite | 53.24 | 45.02 | 1.36 | 0.18 | 0.20 |
| | - | 50821 | 601492 | 5625549 | Dolomite | 46.17 | 52.79 | 0.84 | 0.10 | 0.10 |
| | S176 | 50804 | 601983 | 5624649 | Dolomite | 60.44 | 39.31 | 0.18 | 0.03 | 0.05 |
| | - | 50823 | 601554 | 5625483 | Dolomite | 64.32 | 34.87 | 0.75 | 0.03 | 0.03 |
| | - | 50824 | 601422 | 5625595 | Dolomite | 68.83 | 29.81 | 0.50 | 0.32 | 0.54 |
| | S177 | 50805 | 601909 | 5624788 | Dolomite | 69.89 | 29.57 | 0.34 | 0.07 | 0.12 |

## 2014 Samples

| | Sample # | Assay # | east | north | Rock desc | MgO | CaO | $Fe_2O_3$ | $Al_2O_3$ | $SiO_2$ |
|---|---|---|---|---|---|---|---|---|---|---|
| Alcantara Creek | S178 | 50806 | 602304 | 5624892 | Dolomite | 61.48 | 37.97 | 0.47 | 0.03 | 0.05 |
| | S179 | 50807 | 602518 | 5625185 | Dolomite | 69.44 | 29.90 | 0.43 | 0.05 | 0.18 |
| | S180 | 50808 | 601297 | 5625648 | Magnesite | 94.35 | 4.76 | 0.64 | 0.10 | 0.15 |
| | S181 | 50809 | 601272 | 5625720 | Magnesitic Dolomite | 88.16 | 10.83 | 0.76 | 0.11 | 0.14 |
| | S182 | 50810 | 601542 | 5624891 | Magnesite | 94.21 | 4.61 | 0.73 | 0.20 | 0.25 |
| | S183 | 50811 | 601199 | 5625840 | Magnesitic Dolomite | 76.81 | 21.20 | 1.34 | 0.27 | 0.37 |
| | S184 | 50812 | 601145 | 5626084 | Magnesite | 90.39 | 8.81 | 0.68 | 0.05 | 0.07 |
| | S186 | 50813 | 601110 | 5626219 | Magnesite | 78.36 | 20.59 | 0.90 | 0.08 | 0.07 |
| | S188 | 50814 | 601662 | 5625827 | Magnesite | 93.36 | 5.78 | 0.77 | 0.04 | 0.05 |
| | S187 | 50825 | 601664 | 5625823 | Magnesitic Dolomite | 86.63 | 12.65 | 0.62 | 0.05 | 0.05 |
| | S189 | 50826 | 601148 | 5626397 | Magnesite | 91.31 | 5.30 | 0.75 | 0.11 | 2.53 |
| | S190 | 50827 | 601966 | 5621417 | Dolomite | 65.09 | 33.91 | 0.33 | 0.05 | 0.61 |
| | S191 | 50828 | 602107 | 5621575 | Dolomite | 61.72 | 37.76 | 0.44 | 0.03 | 0.06 |
| | S192 | 50829 | 600851 | 5626657 | Dolomite | 60.74 | 38.08 | 0.70 | 0.10 | 0.37 |
| | S193 | 50830 | 600640 | 5626626 | Dolomite | 64.09 | 34.98 | 0.77 | 0.07 | 0.09 |
| | S194 | 50831 | 600557 | 5626988 | Dolomite | 55.96 | 38.89 | 2.01 | 1.34 | 1.81 |
| | S195 | 50832 | 600548 | 5626936 | Magnesite | 96.56 | 2.36 | 0.59 | 0.12 | 0.37 |
| | S196 | 50833 | 600451 | 5626940 | Magnesitic Dolomite | 87.91 | 11.04 | 0.93 | 0.05 | 0.07 |
| | S197 | 50834 | 600373 | 5626811 | Dolomite | 71.62 | 27.16 | 0.85 | 0.15 | 0.22 |
| | S198 | 50835 | 600362 | 5626803 | Dolomite | 78.05 | 20.85 | 0.91 | 0.08 | 0.11 |
| | S199 | 50836 | 600297 | 5626722 | Dolomite | 78.26 | 20.63 | 0.91 | 0.09 | 0.11 |
| | S200 | 50837 | 601891 | 5624708 | Dolomite | 66.71 | 32.38 | 0.62 | 0.12 | 0.17 |
| | S201 | 50838 | 601942 | 5624794 | Dolomite | 70.35 | 28.51 | 0.93 | 0.12 | 0.09 |
| | S202 | 50839 | 601927 | 5624901 | Dolomite | 68.77 | 30.25 | 0.69 | 0.15 | 0.14 |
| | S203 | 50840 | 601513 | 5626171 | Magnesitic Dolomite | 85.58 | 13.02 | 1.22 | 0.09 | 0.09 |
| | S204 | 50841 | 602182 | 5626688 | Dolomite | 42.45 | 55.05 | 0.98 | 0.49 | 1.03 |
| | S205 | 50842 | 600943 | 5627478 | Magnesitic Dolomite | 84.07 | 14.52 | 0.92 | 0.24 | 0.25 |
| | S206 | 50843 | 600587 | 5627783 | Dolomite | 50.63 | 48.42 | 0.77 | 0.08 | 0.09 |
| | S207 | 50844 | 601216 | 5627511 | Magnesitic Dolomite | 83.20 | 16.02 | 0.71 | 0.05 | 0.02 |
| | S208 | 50845 | 600816 | 5628072 | Dolomite | 59.04 | 39.97 | 0.69 | 0.15 | 0.15 |

## 2013 Samples

| | Sample # | Assay # | east | north | Rock desc | MgO | CaO | $Fe_2O_3$ | $Al_2O_3$ | $SiO_2$ |
|---|---|---|---|---|---|---|---|---|---|---|
| North Struna | S17 | 50667 | 593999 | 5624238 | Magnesitic Dolomite | 84.95 | 14.22 | 0.26 | 0.02 | 0.55 |
| | S18 | 50668 | 594047 | 5624241 | Dolomite | 78.63 | 20.24 | 0.35 | 0.21 | 0.56 |
| | S19 | 50669 | 594096 | 5624166 | Dolomite | 59.28 | 39.54 | 0.14 | 0.36 | 0.68 |
| | S20 | 50670 | 594385 | 5624457 | Dolomite | 77.85 | 21.37 | 0.53 | 0.06 | 0.19 |
| | S21 | 50671 | 594447 | 5624431 | Magnesitic Dolomite | 82.75 | 16.69 | 0.39 | 0.05 | 0.12 |
| | S22 | 50672 | 594468 | 5624395 | Magnesite | 97.74 | 1.72 | 0.46 | 0.03 | 0.06 |
| | S23 | 50673 | 594472 | 5624161 | Magnesite | 95.90 | 2.28 | 1.18 | 0.16 | 0.48 |
| | S24 | 50674 | 594504 | 5624197 | Magnesite | 97.75 | 1.61 | 0.36 | 0.08 | 0.20 |
| | S25 | 50675 | 594469 | 5624284 | Magnesite | 96.46 | 2.27 | 0.47 | 0.20 | 0.60 |
| | S26 | 50726 | 594464 | 5624009 | Magnesitic Dolomite | 87.07 | 8.01 | 0.56 | 0.55 | 3.80 |
| | S27 | 50727 | 594523 | 5624220 | Magnesite | 96.82 | 1.99 | 0.67 | 0.16 | 0.36 |
| | S28 | 50728 | 594472 | 5624430 | Magnesite | 90.66 | 8.33 | 0.31 | 0.23 | 0.48 |
| | S29 | 50729 | 594271 | 5625194 | Magnesite | 97.52 | 1.51 | 0.31 | 0.17 | 0.49 |
| | S30 | 50730 | 594317 | 5625131 | Dolomite | 77.02 | 22.12 | 0.44 | 0.18 | 0.25 |
| | S31 | 50731 | 594252 | 5625003 | Magnesite | 93.50 | 5.47 | 0.31 | 0.28 | 0.44 |
| | S32 | 50732 | 594215 | 5625058 | Magnesite | 93.83 | 5.45 | 0.40 | 0.09 | 0.24 |
| | S33 | 50733 | 594265 | 5625121 | Magnesitic Dolomite | 82.90 | 16.49 | 0.49 | 0.04 | 0.08 |
| | S34 | 50734 | 594022 | 5624731 | Magnesite | 90.76 | 8.29 | 0.28 | 0.30 | 0.37 |
| | S35 | 50735 | 594101 | 5624780 | Magnesite | 90.14 | 9.35 | 0.33 | 0.04 | 0.14 |
| | S36 | 50736 | 594290 | 5624927 | Magnesite | 95.30 | 2.97 | 0.44 | 0.34 | 0.95 |
| | S37 | 50737 | 594332 | 5624969 | Magnesitic Dolomite | 86.92 | 11.74 | 0.43 | 0.18 | 0.73 |
| | S38 | 50738 | 594297 | 5624745 | Magnesite | 95.72 | 2.31 | 0.61 | 0.30 | 1.05 |
| | S39 | 50739 | 594402 | 5624735 | Magnesite | 91.04 | 8.23 | 0.45 | 0.08 | 0.20 |
| Assiniboine Creek | S59 | 50609 | 594418 | 5628677 | Magnesite | 91.72 | 6.45 | 1.07 | 0.23 | 0.53 |
| | S60 | 50610 | 594124 | 5629067 | Magnesite | 94.56 | 3.84 | 0.64 | 0.22 | 0.75 |
| | S61 | 50611 | 594036 | 5629165 | Magnesite | 94.65 | 3.12 | 0.68 | 0.35 | 1.20 |
| | S68 | 50619 | 593862 | 5629234 | Magnesitic Dolomite | 86.76 | 12.29 | 0.51 | 0.15 | 0.29 |
| | S69 | 50620 | 593821 | 5629095 | Magnesite | 91.21 | 7.15 | 0.77 | 0.26 | 0.61 |
| | S82 | 50683 | 593822 | 5629402 | Magnesite | 90.50 | 7.66 | 0.79 | 0.32 | 0.73 |
| | S83 | 50684 | 593814 | 5629428 | Magnesite | 94.74 | 3.81 | 0.75 | 0.22 | 0.47 |
| | S84 | 50685 | 593711 | 5629469 | Magnesite | 95.27 | 4.05 | 0.60 | 0.03 | 0.05 |

## 2013 Samples

| | Sample # | Assay # | east | north | Rock desc | MgO | CaO | $Fe_2O_3$ | $Al_2O_3$ | $SiO_2$ |
|---|---|---|---|---|---|---|---|---|---|---|
| Aurora Creek | S43 | 50743 | 594342 | 5625560 | Magnesite | 95.31 | 3.45 | 0.62 | 0.23 | 0.39 |
| | S44 | 50744 | 594389 | 5625631 | Magnesite | 96.21 | 2.98 | 0.63 | 0.06 | 0.11 |
| | S45 | 50745 | 594444 | 5625589 | Magnesite | 97.29 | 1.89 | 0.64 | 0.06 | 0.12 |
| | S46 | 50746 | 594495 | 5625642 | Magnesite | 96.02 | 2.60 | 0.38 | 0.32 | 0.68 |
| | S47 | 50747 | 594421 | 5625702 | Magnesite | 97.29 | 1.77 | 0.52 | 0.14 | 0.29 |
| | S48 | 50748 | 594404 | 5625713 | Magnesite | 96.35 | 2.61 | 0.47 | 0.23 | 0.34 |
| | S49 | 50749 | 594428 | 5625793 | Magnesite | 96.83 | 2.67 | 0.36 | 0.07 | 0.08 |
| | S50 | 50750 | 594593 | 5625603 | Magnesitic Dolomite | 85.66 | 12.74 | 0.36 | 0.40 | 0.84 |
| | S51 | 50601 | 594656 | 5625657 | Magnesite | 90.52 | 8.92 | 0.43 | 0.04 | 0.10 |
| | S52 | 50602 | 594395 | 5625759 | Magnesite | 91.60 | 5.77 | 0.61 | 0.80 | 1.23 |
| | S53 | 50603 | 594488 | 5625892 | Magnesitic Dolomite | 86.99 | 11.71 | 0.65 | 0.25 | 0.40 |
| | S54 | 50604 | 594917 | 5626783 | Magnesite | 90.81 | 7.59 | 0.88 | 0.19 | 0.53 |
| | S55 | 50605 | 594875 | 5626741 | Magnesitic Dolomite | 87.52 | 9.54 | 1.04 | 0.70 | 1.20 |
| | S56 | 50606 | 594982 | 5626690 | Magnesitic Dolomite | 87.35 | 11.57 | 0.51 | 0.13 | 0.44 |
| | S57 | 50607 | 595025 | 5626621 | Magnesite | 96.90 | 1.28 | 0.58 | 0.13 | 1.11 |
| | S58 | 50608 | 594564 | 5626075 | Dolomite | 45.33 | 52.14 | 1.41 | 0.44 | 0.68 |
| | S71 | 50625 | 594391 | 5625616 | Magnesite | 94.83 | 2.01 | 1.95 | 0.24 | 0.96 |
| | S97 | 50698 | 595895 | 5628255 | Dolomite | 61.88 | 37.08 | 0.78 | 0.08 | 0.17 |
| | S98 | 50699 | 596037 | 5628369 | Dolomite | 43.24 | 54.89 | 1.67 | 0.07 | 0.12 |
| Alcantara Creek | S40 | 50740 | 600075 | 5619482 | Dolomite | 45.64 | 53.48 | 0.65 | 0.09 | 0.14 |
| | S41 | 50741 | 600056 | 5619787 | Dolomite | 44.56 | 55.01 | 0.35 | 0.04 | 0.03 |
| | S42 | 50742 | 600142 | 5619901 | Dolomite | 45.52 | 54.07 | 0.36 | 0.02 | 0.02 |

## 2013 Samples

| | Sample # | Assay # | east | north | Rock desc | MgO | CaO | $Fe_2O_3$ | $Al_2O_3$ | $SiO_2$ |
|---|---|---|---|---|---|---|---|---|---|---|
| Cross River | S01 | 50651 | 597507 | 5619149 | Dolomite | 50.32 | 48.89 | 0.69 | 0.05 | 0.05 |
| | S03 | 50653 | 597563 | 5619207 | Dolomite | 62.26 | 37.46 | 0.16 | 0.04 | 0.08 |
| | S04 | 50654 | 597603 | 5619188 | Dolomite | 62.48 | 36.91 | 0.45 | 0.08 | 0.08 |
| | S05 | 50655 | 597609 | 5619161 | Dolomite | 61.81 | 37.10 | 1.00 | 0.03 | 0.06 |
| | S06 | 50656 | 597592 | 5619545 | Dolomite | 60.64 | 38.19 | 0.60 | 0.18 | 0.38 |
| | S07 | 50657 | 597703 | 5619503 | Dolomite | 59.35 | 39.47 | 0.59 | 0.24 | 0.36 |
| | S08 | 50658 | 597936 | 5619367 | Dolomite | 61.36 | 37.95 | 0.26 | 0.18 | 0.25 |
| | S09 | 50659 | 597968 | 5619340 | Dolomite | 75.50 | 23.33 | 0.84 | 0.13 | 0.21 |
| | S10 | 50660 | 598032 | 5619249 | Dolomite | 68.06 | 31.37 | 0.41 | 0.07 | 0.09 |
| | S11 | 50661 | 598026 | 5619299 | Dolomite | 65.24 | 34.10 | 0.55 | 0.03 | 0.07 |
| | S12 | 50662 | 598015 | 5619379 | Dolomite | 76.69 | 22.43 | 0.67 | 0.07 | 0.14 |
| | S13 | 50663 | 598044 | 5619437 | Dolomite | 61.42 | 38.02 | 0.45 | 0.05 | 0.06 |
| | S14 | 50664 | 598164 | 5619064 | Dolomite | 70.92 | 27.92 | 0.20 | 0.06 | 0.90 |
| | S15 | 50665 | 598160 | 5619077 | Magnesite | 91.19 | 7.42 | 0.41 | 0.13 | 0.84 |
| | S16 | 50666 | 598459 | 5619119 | Dolomite | 57.51 | 41.61 | 0.79 | 0.04 | 0.05 |
| | S62 | 50613 | 595946 | 5619746 | Dolomite | 59.82 | 39.58 | 0.29 | 0.10 | 0.21 |
| | S63 | 50614 | 596014 | 5619724 | Dolomite | 56.73 | 42.56 | 0.37 | 0.12 | 0.23 |
| | S64 | 50615 | 597601 | 5618733 | Dolomite | 79.25 | 19.80 | 0.84 | 0.04 | 0.07 |
| | S93 | 50694 | 597760 | 5618095 | Dolomite | 43.28 | 55.80 | 0.71 | 0.09 | 0.12 |
| | S95 | 50696 | 598001 | 5617402 | Dolomite | 40.86 | 55.46 | 0.90 | 0.97 | 1.80 |
| | S99 | 50700 | 596626 | 5619457 | Dolomite | 74.29 | 24.42 | 0.49 | 0.32 | 0.48 |
| | S100 | 50701 | 596561 | 5619525 | Dolomite | 47.02 | 52.16 | 0.72 | 0.03 | 0.06 |
| | S101 | 50702 | 596821 | 5620358 | Magnesite | 90.46 | 8.61 | 0.63 | 0.08 | 0.21 |
| | S102 | 50703 | 597078 | 5620315 | Dolomite | 44.51 | 54.80 | 0.58 | 0.03 | 0.08 |
| | S103 | 50704 | 597087 | 5620084 | Dolomite | 44.42 | 53.74 | 0.82 | 0.32 | 0.69 |
| | S104 | 50705 | 597201 | 5620033 | Dolomite | 31.68 | 65.75 | 2.09 | 0.18 | 0.29 |
| | S105 | 50706 | 595702 | 5619967 | Dolomite | 33.33 | 65.21 | 1.11 | 0.13 | 0.22 |
| | S106 | 50707 | 595583 | 5620075 | Dolomite | 32.54 | 65.45 | 1.92 | 0.03 | 0.07 |
| | S107 | 50708 | 597397 | 5619887 | Dolomite | 31.54 | 64.77 | 3.30 | 0.13 | 0.27 |
| | S108 | 50709 | 597499 | 5619816 | Dolomite | 36.58 | 62.56 | 0.70 | 0.06 | 0.10 |

## 2012 Samples

| | Assay # | east | north | Rock desc | MgO | CaO | $Fe_2O_3$ | $Al_2O_3$ | $SiO_2$ |
|---|---|---|---|---|---|---|---|---|---|
| Struna Creek | 45227 | 594363 | 5621889 | Dolomite | 45.05 | 53.72 | 0.46 | 0.25 | 0.52 |
| | 45228 | 594209 | 5622002 | Dolomite | 72.71 | 26.65 | 0.45 | 0.07 | 0.12 |
| | 45229 | 594570 | 5623433 | Magnesite | 91.55 | 7.33 | 0.84 | 0.09 | 0.18 |
| | 45230 | 594597 | 5623436 | Magnesitic Dolomite | 88.64 | 9.90 | 0.66 | 0.25 | 0.56 |
| | 45232 | 594534 | 5622870 | Magnesitic Dolomite | 82.60 | 15.50 | 0.87 | 0.30 | 0.74 |
| | 45233 | 594553 | 5623043 | Magnesite | 95.63 | 1.51 | 1.73 | 0.28 | 0.86 |
| | 45234 | 594543 | 5623129 | Magnesite | 94.55 | 3.00 | 1.11 | 0.34 | 0.99 |
| | 45235 | 594668 | 5623249 | Magnesite | 95.41 | 1.79 | 0.50 | 0.57 | 1.74 |
| | 45236 | 594500 | 5623437 | Magnesite | 95.08 | 1.92 | 0.83 | 0.55 | 1.62 |
| | 45237 | 594556 | 5623117 | Magnesite | 93.59 | 1.98 | 1.90 | 0.62 | 1.91 |
| | 45238 | 594480 | 5622843 | Dolomite | 75.23 | 23.01 | 1.31 | 0.19 | 0.26 |
| | 45240 | 594092 | 5623556 | Dolomite | 59.19 | 40.07 | 0.46 | 0.12 | 0.16 |
| | 45241 | 594389 | 5623639 | Magnesite | 95.35 | 3.67 | 0.60 | 0.11 | 0.26 |
| | 45242 | 594417 | 5623632 | Magnesitic Dolomite | 86.89 | 10.07 | 1.79 | 0.37 | 0.88 |
| | 45243 | 594454 | 5623630 | Magnesite | 97.48 | 1.68 | 0.74 | 0.04 | 0.06 |
| | 45244 | 594500 | 5623650 | Dolomite | 65.86 | 33.62 | 0.39 | 0.06 | 0.07 |
| | 45245 | 594346 | 5623540 | Magnesite | 90.77 | 5.99 | 2.07 | 0.42 | 0.75 |
| | 45246 | 594412 | 5623559 | Dolomite | 79.19 | 18.28 | 2.23 | 0.11 | 0.19 |
| | 45247 | 594514 | 5623659 | Magnesite | 97.04 | 1.99 | 0.72 | 0.09 | 0.16 |
| | 45248 | 594515 | 5623633 | Magnesitic Dolomite | 85.42 | 13.48 | 0.95 | 0.06 | 0.09 |
| | 45249 | 594560 | 5623602 | Magnesite | 94.19 | 4.12 | 1.24 | 0.14 | 0.30 |
| | 45250 | 594649 | 5623532 | Magnesite | 95.96 | 2.92 | 0.76 | 0.10 | 0.26 |
| | 50001 | 594587 | 5623498 | Magnesite | 96.87 | 1.63 | 0.89 | 0.19 | 0.42 |
| | 50002 | 594560 | 5623531 | Magnesite | 96.02 | 1.86 | 1.98 | 0.05 | 0.10 |
| | 50003 | 594542 | 5623407 | Magnesite | 96.92 | 2.14 | 0.74 | 0.07 | 0.13 |
| | 50004 | 594429 | 5623682 | Magnesite | 90.26 | 7.53 | 0.98 | 0.35 | 0.89 |
| | 50005 | 594499 | 5623536 | Magnesitic Dolomite | 87.44 | 11.32 | 0.78 | 0.15 | 0.31 |
| | 50006 | 594541 | 5623515 | Magnesite | 97.26 | 1.76 | 0.68 | 0.10 | 0.20 |
| North Struna | 50093 | 594137 | 5625221 | Dolomite | 46.02 | 52.82 | 0.36 | 0.35 | 0.44 |
| | 50094 | 594159 | 5625221 | Magnesite | 91.03 | 8.26 | 0.36 | 0.12 | 0.23 |
| | 50095 | 594233 | 5625120 | Dolomite | 72.43 | 25.94 | 0.70 | 0.28 | 0.65 |
| | 50096 | 594212 | 5624833 | Dolomite | 58.26 | 39.72 | 0.67 | 0.36 | 0.99 |
| | 50501 | 594409 | 5624297 | Dolomite | 78.34 | 20.90 | 0.45 | 0.10 | 0.21 |
| | 50502 | 594495 | 5624327 | Magnesite | 96.95 | 1.85 | 0.49 | 0.20 | 0.51 |

## 2012 Samples

| | Assay # | east | north | Rock desc | MgO | CaO | $Fe_2O_3$ | $Al_2O_3$ | $SiO_2$ |
|---|---|---|---|---|---|---|---|---|---|
| Miller Pass | 50019 | 598610 | 5618098 | Dolomite | 52.77 | 46.79 | 0.32 | 0.04 | 0.09 |
| | 50020 | 598454 | 5618207 | Dolomite | 74.96 | 24.33 | 0.54 | 0.06 | 0.12 |
| | 50021 | 598288 | 5618328 | Magnesite | 96.11 | 2.54 | 0.96 | 0.09 | 0.30 |
| | 50022 | 598256 | 5618263 | Dolomite | 64.87 | 34.60 | 0.36 | 0.08 | 0.09 |
| | 50023 | 598164 | 5618338 | Dolomite | 49.32 | 49.97 | 0.25 | 0.09 | 0.36 |
| | 50024 | 598448 | 5618365 | Magnesitic Dolomite | 81.04 | 17.99 | 0.55 | 0.14 | 0.28 |
| | 50025 | 598375 | 5618441 | Dolomite | 60.16 | 39.22 | 0.50 | 0.06 | 0.07 |
| | 50026 | 598321 | 5618393 | Dolomite | 65.50 | 34.14 | 0.24 | 0.05 | 0.08 |
| | 50027 | 598472 | 5617979 | Dolomite | 63.02 | 36.04 | 0.26 | 0.11 | 0.57 |
| | 50028 | 598073 | 5618159 | Dolomite | 65.97 | 33.50 | 0.38 | 0.05 | 0.10 |
| | 50029 | 598067 | 5618126 | Dolomite | 66.88 | 32.73 | 0.20 | 0.07 | 0.12 |
| | 50030 | 598093 | 5617961 | Dolomite | 74.13 | 25.43 | 0.19 | 0.07 | 0.18 |
| | 50031 | 598606 | 5618383 | Dolomite | 43.17 | 56.02 | 0.57 | 0.04 | 0.20 |
| | 50032 | 598540 | 5618368 | Magnesite | 94.35 | 4.33 | 0.78 | 0.16 | 0.39 |
| | 50034 | 598454 | 5618410 | Dolomite | 47.11 | 51.85 | 0.80 | 0.08 | 0.16 |
| | 50033 | 598492 | 5618381 | Dolomite | 62.77 | 36.89 | 0.27 | 0.03 | 0.05 |
| Assiniboine Creek | 50090 | 593999 | 5628834 | Dolomite | 45.59 | 51.66 | 0.27 | 0.61 | 1.87 |
| | 50091 | 593994 | 5628864 | Magnesite | 94.59 | 3.97 | 1.00 | 0.14 | 0.29 |
| | 50092 | 593989 | 5628883 | Magnesite | 90.60 | 6.75 | 0.53 | 0.86 | 1.26 |
| Aurora Creek | 50079 | 595081 | 5626860 | Dolomite | 35.35 | 59.84 | 3.12 | 0.72 | 0.97 |
| | 50080 | 595090 | 5626745 | Dolomite | 75.48 | 23.59 | 0.54 | 0.11 | 0.27 |
| | 50081 | 595029 | 5626755 | Magnesitic Dolomite | 84.49 | 14.52 | 0.50 | 0.14 | 0.34 |
| | 50082 | 594780 | 5626431 | Dolomite | 69.84 | 28.27 | 0.83 | 0.40 | 0.66 |
| | 50083 | 594785 | 5626406 | Magnesite | 93.53 | 4.69 | 0.83 | 0.31 | 0.63 |
| | 50085 | 595942 | 5628042 | Dolomite | 41.44 | 56.10 | 0.68 | 0.50 | 1.28 |
| | 50086 | 594742 | 5626395 | Magnesitic Dolomite | 86.90 | 8.33 | 0.77 | 0.99 | 3.01 |
| | 50087 | 594689 | 5626293 | Dolomite | 57.12 | 40.93 | 1.14 | 0.34 | 0.47 |
| Camp Gully | 50075 | 594385 | 5625465 | Magnesite | 95.67 | 2.13 | 0.45 | 0.48 | 1.26 |
| | 50076 | 594489 | 5625468 | Magnesite | 95.15 | 3.34 | 0.77 | 0.20 | 0.54 |
| | 50077 | 594550 | 5625470 | Magnesite | 97.26 | 1.87 | 0.68 | 0.06 | 0.13 |
| | 50078 | 594528 | 5625456 | Magnesite | 95.26 | 4.05 | 0.51 | 0.06 | 0.11 |

## 2013 Samples

| | Assay # | east | north | Rock desc | MgO | CaO | $Fe_2O_3$ | $Al_2O_3$ | $SiO_2$ |
|---|---|---|---|---|---|---|---|---|---|
| Cross River | 50007 | 595470 | 5621597 | Dolomite | 57.90 | 41.34 | 0.46 | 0.09 | 0.21 |
| | 50009 | 595544 | 5621504 | Dolomite | 53.34 | 46.16 | 0.36 | 0.06 | 0.08 |
| | 50010 | 595559 | 5621541 | Dolomite | 51.13 | 48.06 | 0.66 | 0.05 | 0.10 |
| | 50011 | 595546 | 5621634 | Dolomite | 57.09 | 42.38 | 0.42 | 0.02 | 0.10 |
| | 50012 | 595520 | 5621695 | Dolomite | 50.90 | 46.26 | 0.49 | 0.05 | 2.30 |
| | 50013 | 595510 | 5621749 | Dolomite | 46.25 | 51.34 | 0.73 | 0.58 | 1.10 |
| | 50014 | 595469 | 5621624 | Dolomite | 47.78 | 51.17 | 0.52 | 0.15 | 0.38 |
| | 50015 | 596305 | 5620924 | Dolomite | 52.49 | 46.51 | 0.85 | 0.05 | 0.10 |
| | 50016 | 596345 | 5621102 | Dolomite | 48.45 | 49.93 | 1.40 | 0.08 | 0.14 |
| | 50017 | 596392 | 5621156 | Dolomite | 70.43 | 28.37 | 0.71 | 0.04 | 0.45 |
| | 50035 | 599562 | 5619022 | Dolomite | 52.51 | 46.80 | 0.30 | 0.14 | 0.25 |
| | 50036 | 598196 | 5618819 | Dolomite | 50.54 | 48.33 | 0.42 | 0.20 | 0.52 |
| | 50037 | 598177 | 5618858 | Dolomite | 45.62 | 53.74 | 0.25 | 0.11 | 0.27 |
| | 50038 | 598195 | 5618912 | Magnesitic Dolomite | 81.78 | 16.34 | 0.55 | 0.28 | 1.05 |
| | 50039 | 598208 | 5618925 | Magnesitic Dolomite | 89.52 | 8.46 | 0.44 | 0.43 | 1.14 |
| | 50040 | 598219 | 5618970 | Magnesitic Dolomite | 81.58 | 17.32 | 0.66 | 0.15 | 0.30 |
| | 50041 | 598221 | 5618997 | Magnesite | 95.23 | 3.97 | 0.63 | 0.06 | 0.12 |
| | 50042 | 598317 | 5618908 | Magnesite | 90.45 | 8.74 | 0.54 | 0.10 | 0.17 |
| | 50043 | 598311 | 5618891 | Magnesite | 96.75 | 2.76 | 0.43 | 0.02 | 0.03 |
| | 50044 | 598239 | 5618818 | Magnesitic Dolomite | 89.44 | 9.31 | 0.52 | 0.25 | 0.48 |
| | 50045 | 598302 | 5618840 | Dolomite | 49.50 | 49.42 | 0.39 | 0.24 | 0.46 |
| | 50046 | 598321 | 5618856 | Magnesite | 94.16 | 4.76 | 0.52 | 0.15 | 0.42 |
| | 50047 | 598306 | 5618876 | Magnesitic Dolomite | 82.98 | 16.29 | 0.36 | 0.13 | 0.23 |
| | 50048 | 598330 | 5618868 | Magnesitic Dolomite | 89.02 | 10.35 | 0.47 | 0.04 | 0.12 |
| | 50049 | 598570 | 5619048 | Dolomite | 59.60 | 39.63 | 0.59 | 0.09 | 0.10 |
| | 50050 | 598813 | 5618824 | Magnesitic Dolomite | 83.14 | 15.90 | 0.51 | 0.20 | 0.24 |
| | 50052 | 598978 | 5618831 | Magnesite | 91.46 | 7.29 | 0.46 | 0.27 | 0.51 |
| | 50053 | 598990 | 5618839 | Magnesite | 92.62 | 6.53 | 0.43 | 0.18 | 0.24 |
| | 50054 | 598952 | 5618806 | Magnesitic Dolomite | 86.73 | 12.38 | 0.52 | 0.17 | 0.21 |
| | 50055 | 598995 | 5618804 | Magnesitic Dolomite | 85.49 | 14.00 | 0.39 | 0.04 | 0.07 |
| | 50056 | 599137 | 5619070 | Dolomite | 72.28 | 26.74 | 0.45 | 0.19 | 0.33 |
| | 50057 | 599019 | 5619021 | Dolomite | 43.50 | 55.51 | 0.80 | 0.10 | 0.08 |
| | 50058 | 599162 | 5618957 | Dolomite | 41.11 | 57.08 | 0.96 | 0.27 | 0.58 |
| | 50059 | 598961 | 5618775 | Dolomite | 67.45 | 31.74 | 0.31 | 0.24 | 0.26 |
| | 50060 | 598937 | 5618771 | Magnesite | 92.24 | 7.03 | 0.54 | 0.07 | 0.13 |
| | 50061 | 598924 | 5618778 | Magnesitic Dolomite | 89.54 | 8.99 | 0.69 | 0.33 | 0.45 |
| | 50062 | 598883 | 5618780 | Magnesite | 95.41 | 3.18 | 0.59 | 0.34 | 0.49 |
| | 50063 | 598915 | 5618809 | Magnesite | 92.03 | 6.82 | 0.74 | 0.17 | 0.25 |
| | 50064 | 599538 | 5618967 | Dolomite | 47.34 | 51.93 | 0.41 | 0.12 | 0.20 |

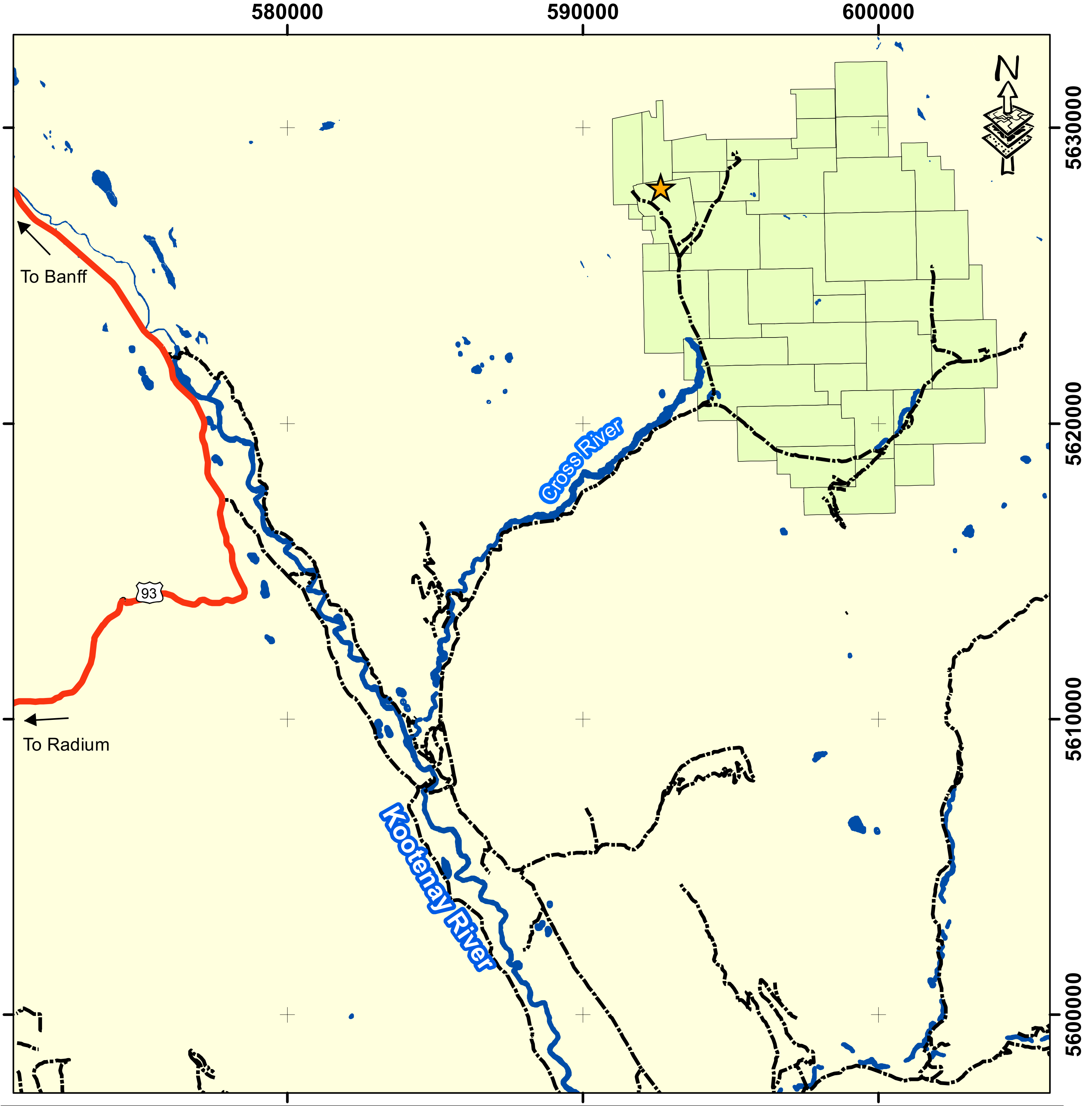



**Fig. 01: Baymag Location**

Baymag Claims

Mine site

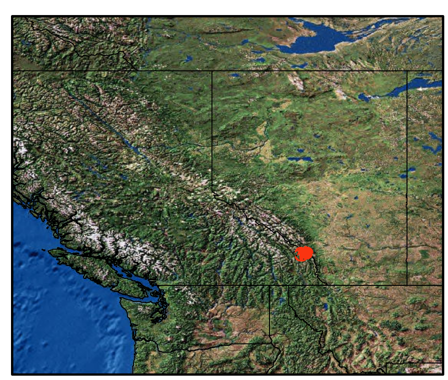
Highway

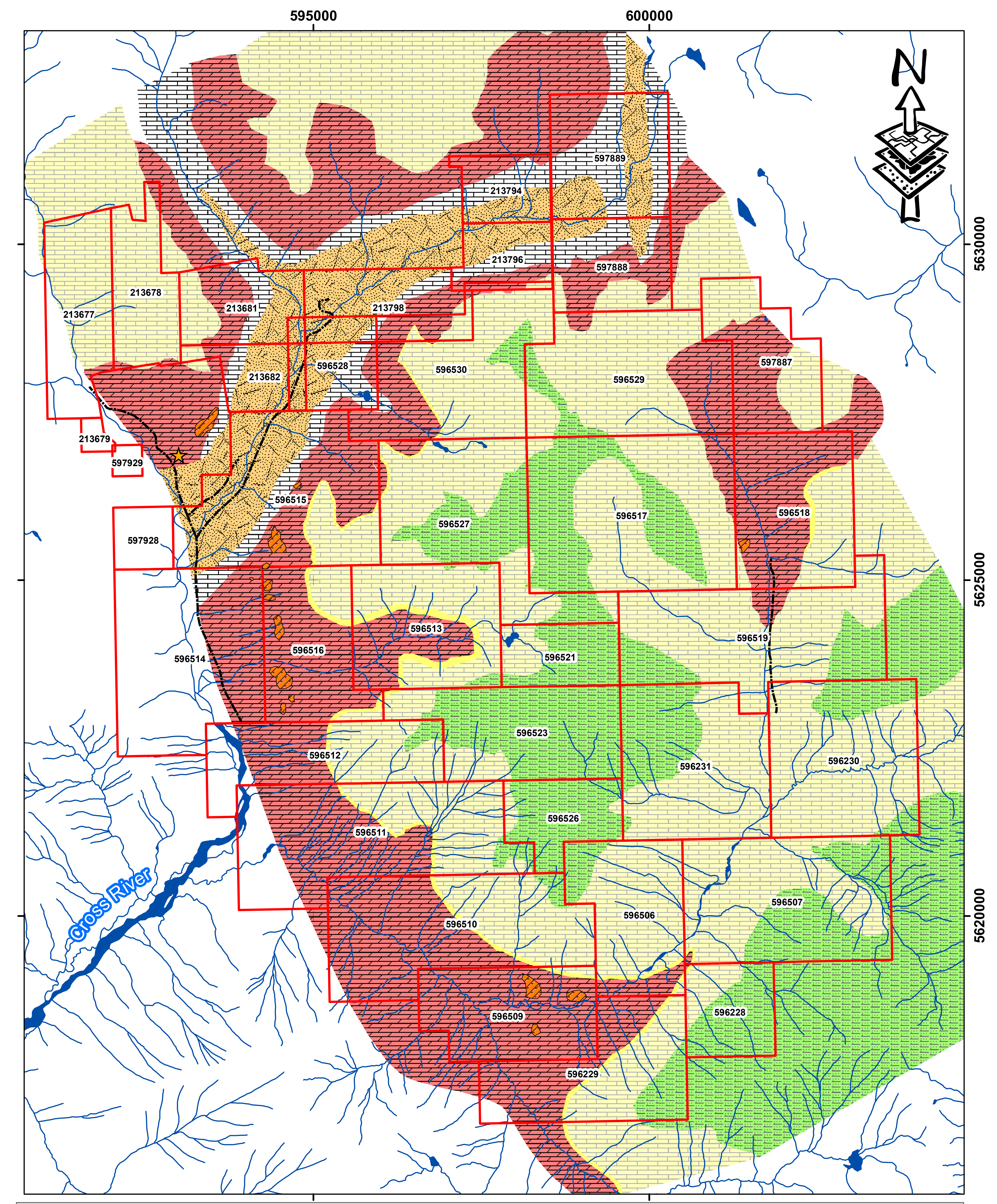
Roads

0 2.5 5 Km

1:175,000

Datum NAD83
UTM Zone 11N






# Fig. 02: Baymag - Mt. Brussilof Mine

**Legend**

- Mine site
- Magnesite Outcrops
- Baymag Claims
- Roads

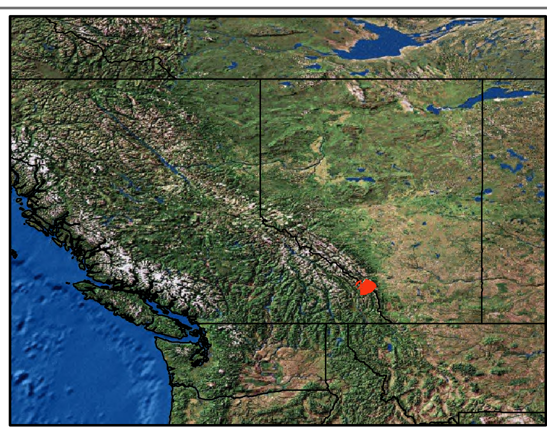
**Geology**

- Arctomys Fm.
- Eldon Fm.
- Stephen Fm.
- Cathedral Fm.
- Naiset Fm.
- Gog Group

0 1000 2000 m

1:50,000

**Datum NAD83**
**UTM Zone 11N**



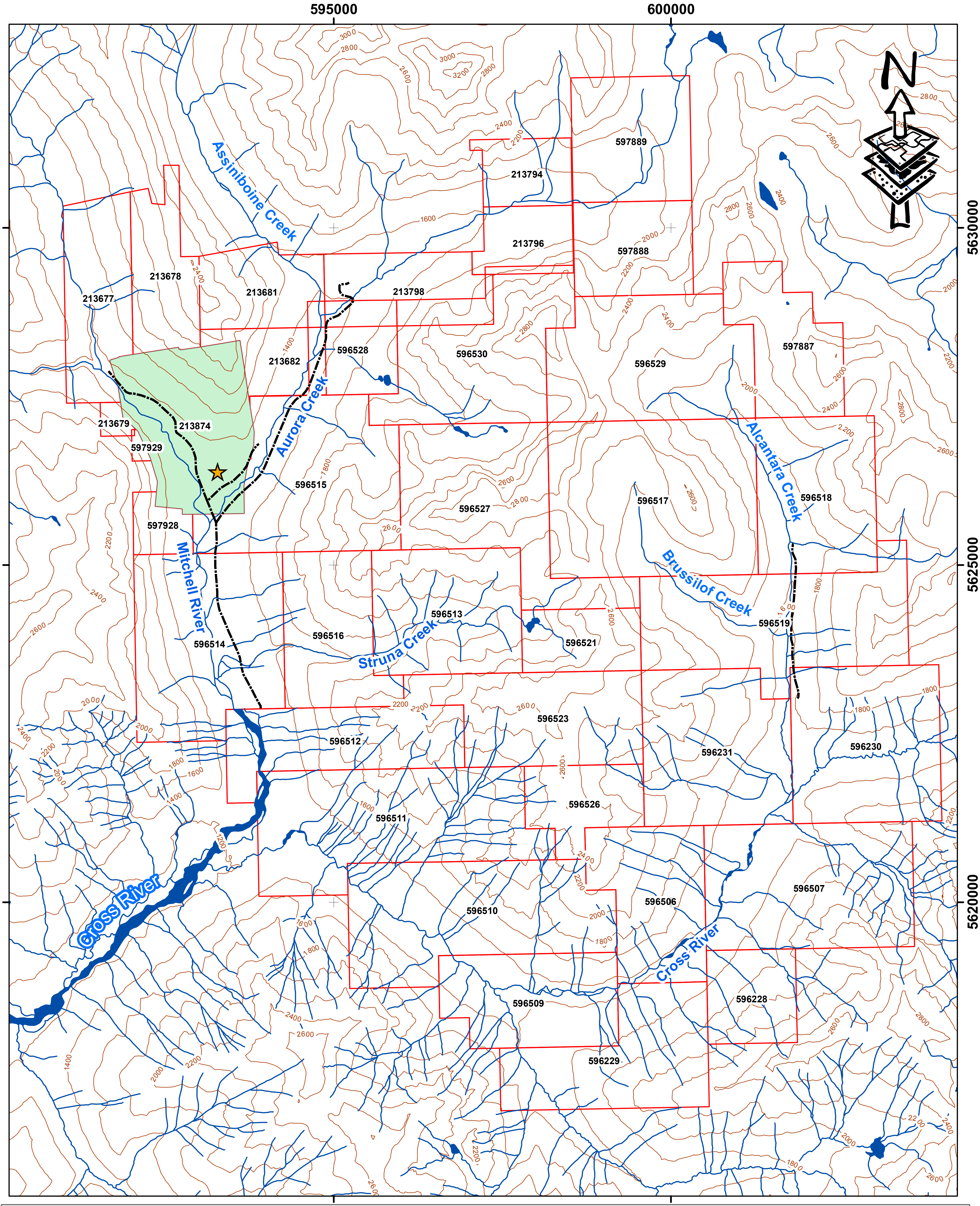



**Fig. 03: Baymag - Mineral Claims**

Mine site

Roads

Water bodies

Mine Lease

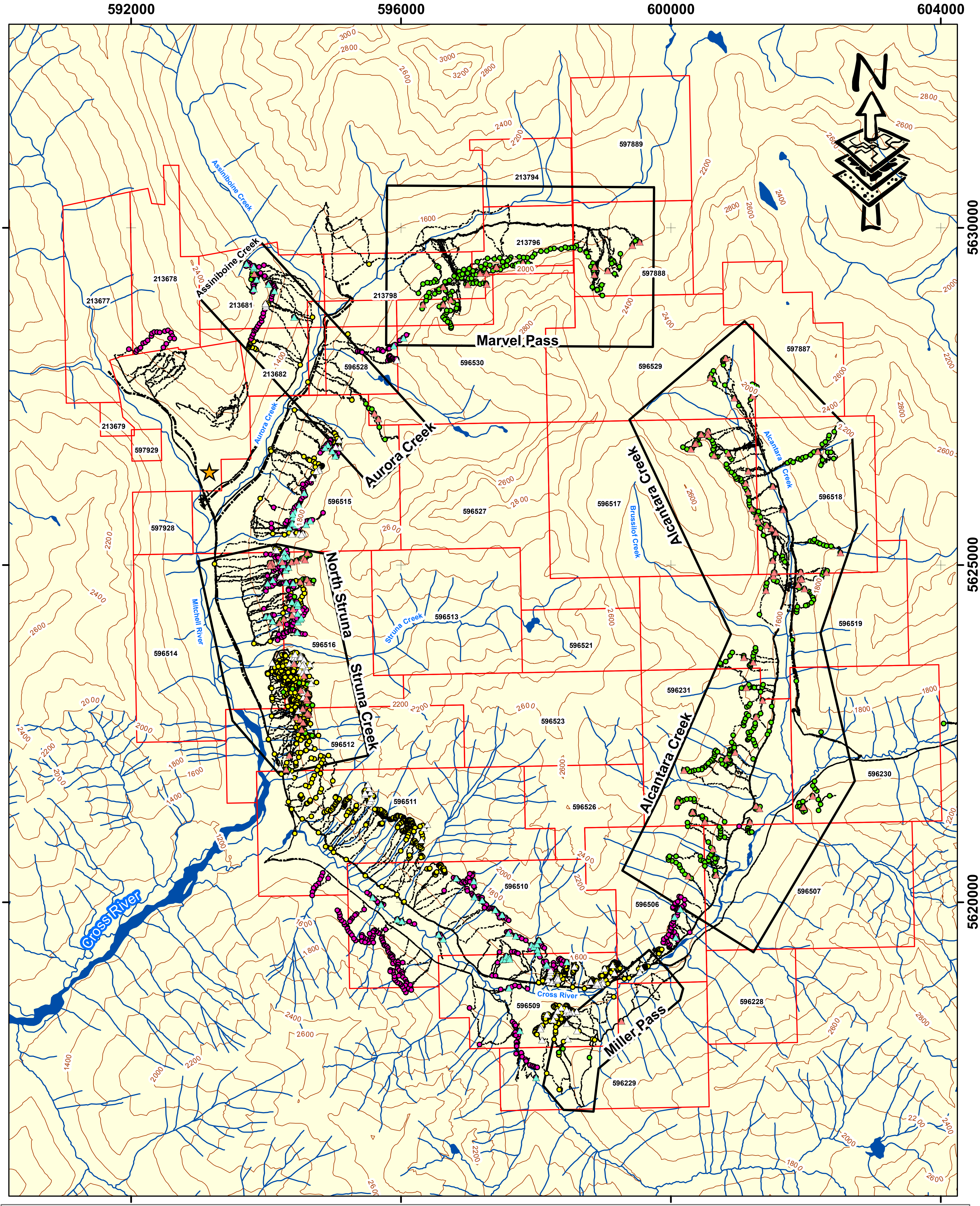
Baymag Claims

0 1000 2000 m

1:50,000

Datum NAD83

UTM Zone 11N




# Fig. 04: Baymag - Exploration Summary

## Legend

- 2014 Samples
- 2013 Samples
- 2012 Samples
- 2014 Geo Stations
- 2013 Geo Stations
- 2012 Geo Stations
- Mine site
- Baymag Claims
- Tracks
- Roads

0 1 2 Km

1:50,000
Datum NAD83
UTM Zone 11N

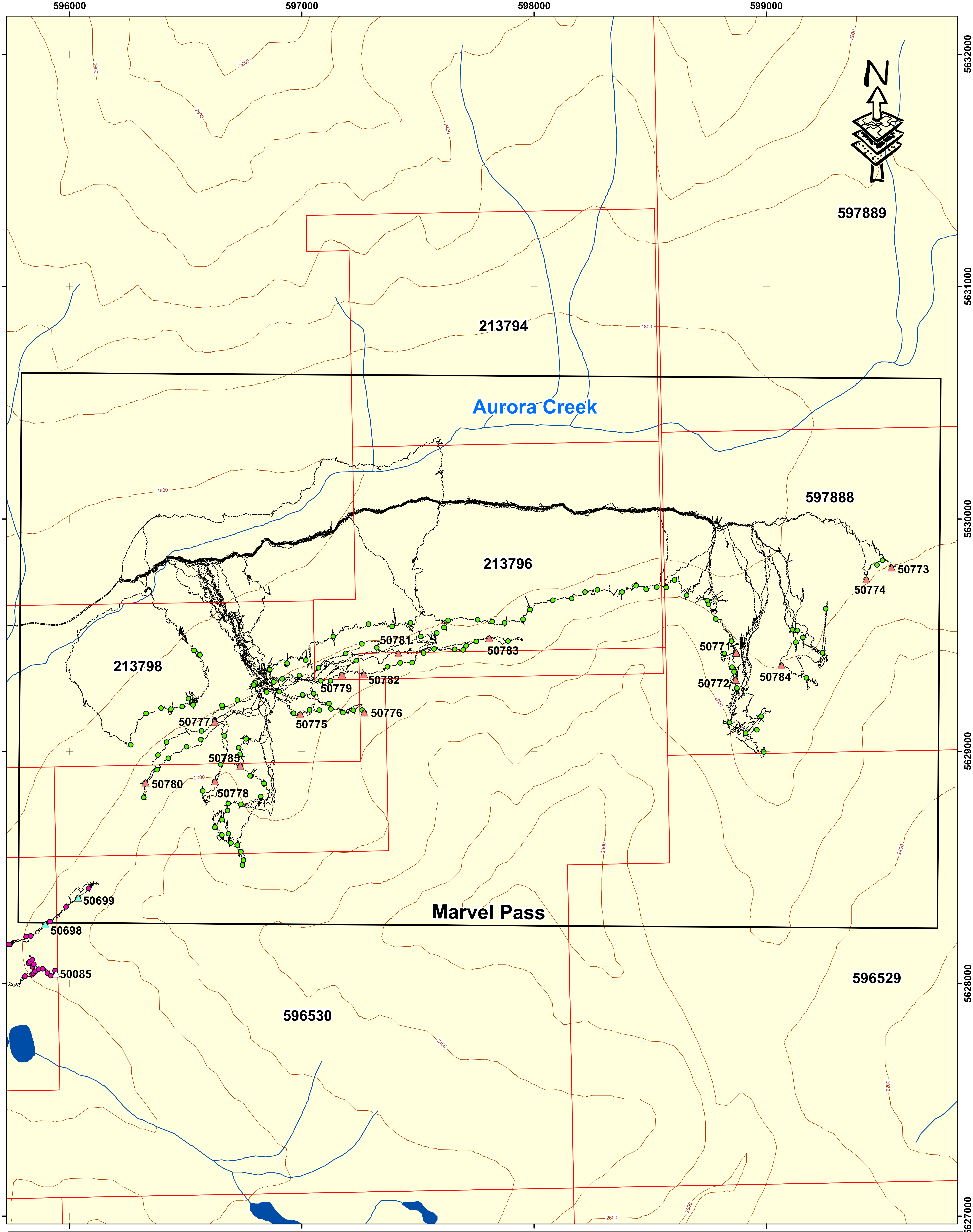



Fig. 05: Baymag - Marvel Pass area

Legend

2014 Samples
2013 Samples
2012 Samples
2014 Geo Stations
2013 Geo Stations
Baymag Claims
Tracks
Roads
**50776** Assay Number

0 250 500 m

1:10,000

Datum NAD83
UTM Zone 11N


**Fig. 06: Baymag - Alcantara Creek area**

**Legend**

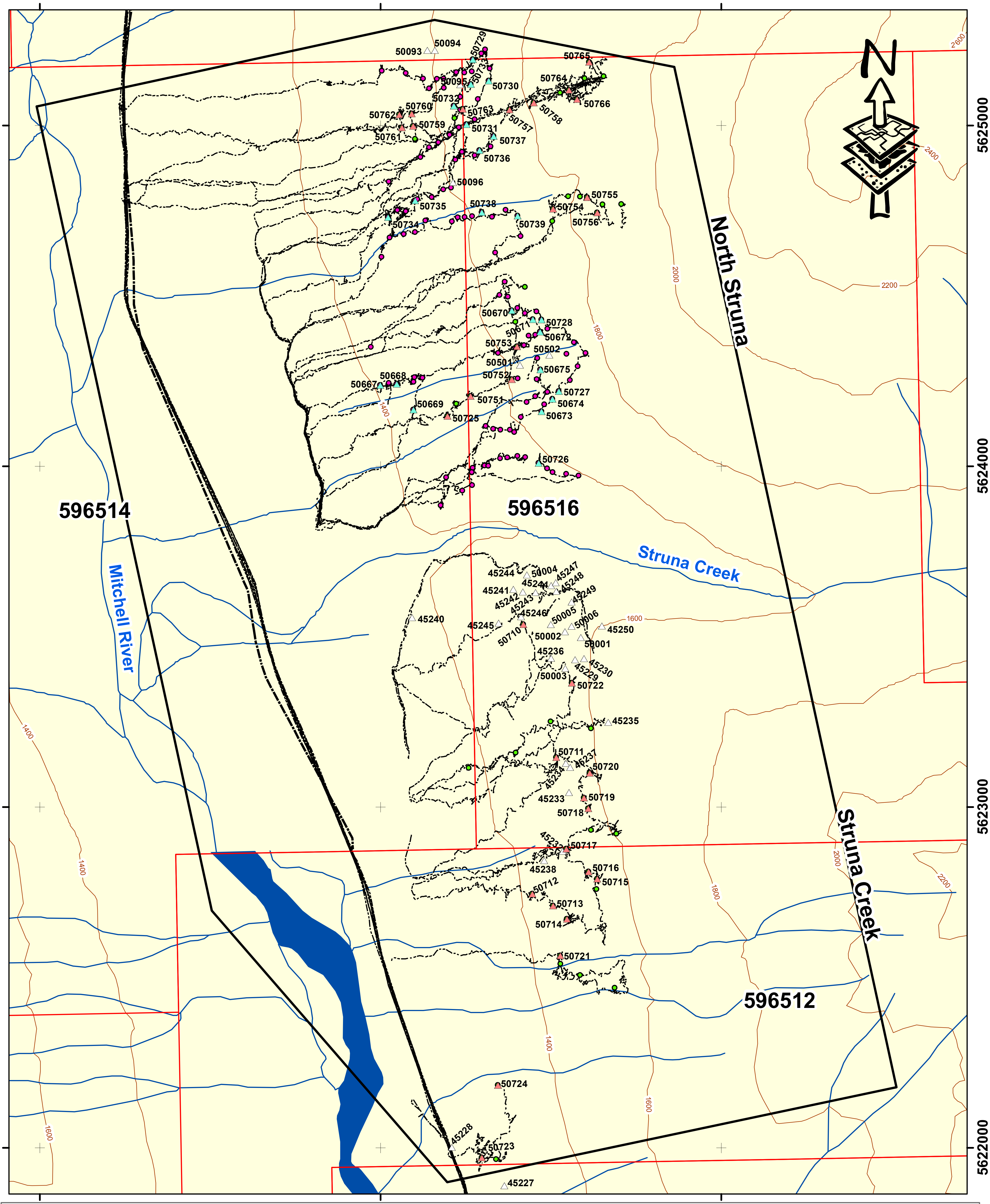
| | | |
|---|---|---|
| 2014 Samples | 2014 Geo Stations | Baymag Claims |
| 2013 Samples | 2013 Geo Stations | Tracks |
| 2012 Samples | 2012 Geo Stations | Roads |

**50788** Assay Number

0 250 500 m

1:10,000

Datum NAD83
UTM Zone 11N




# Fig. 07: Baymag - Struna Creek/North Struna area

## Legend

2014 Samples
2013 Samples
2012 Samples
2014 Geo Stations
2013 Geo Stations
50724 Assay Number
Baymag Claims
Tracks
Roads

0 250 500 m

1:10,000

Datum NAD83
UTM Zone 11N

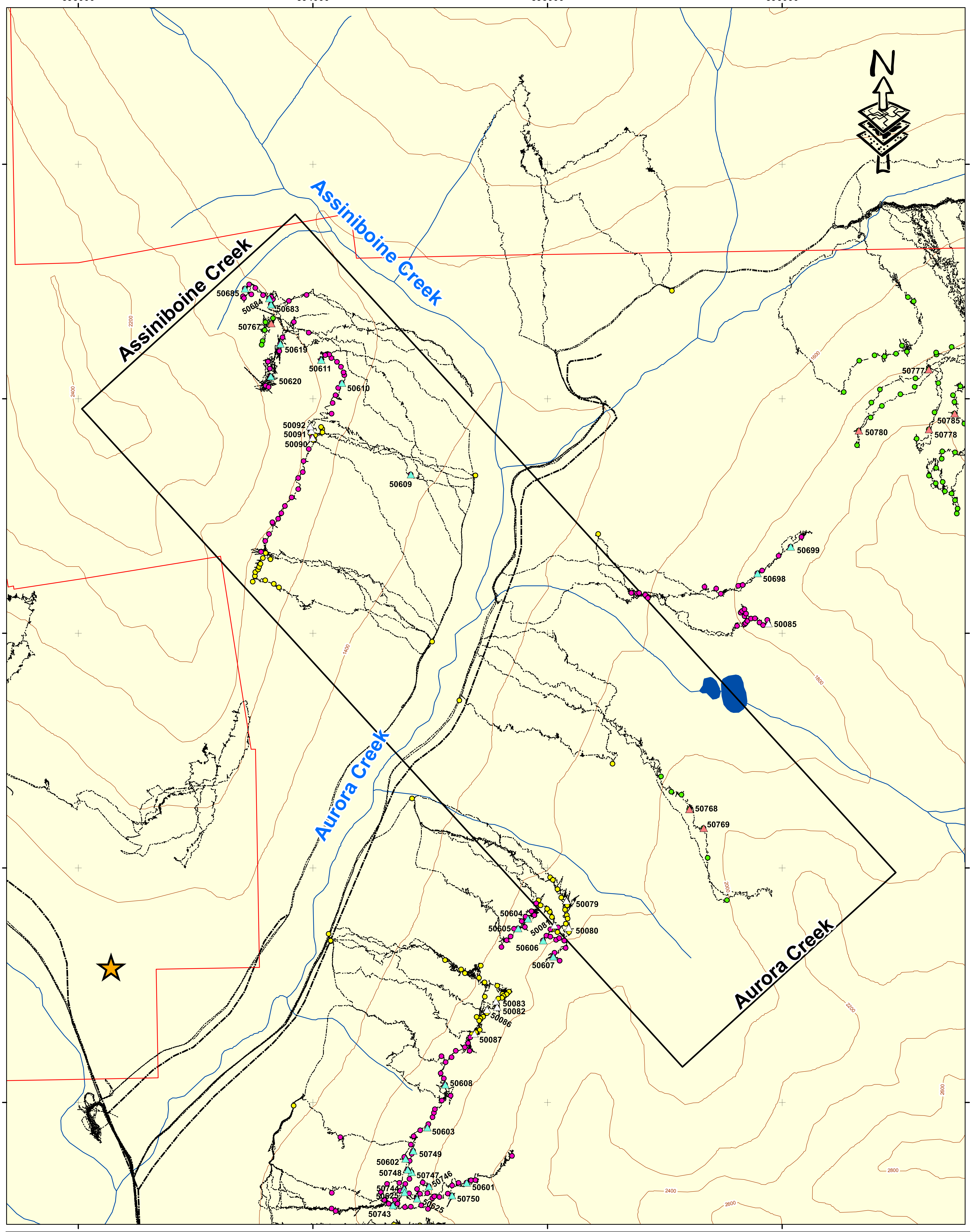



Fig. 08: Baymag - Assiniboine Creek/Aurora Creek area

Legend

- 2014 Samples
- 2013 Samples
- 2012 Samples
- 50723 Assay Number
- 2014 Geo Stations
- 2013 Geo Stations
- 2012 Geo Stations
- Mine site
- Baymag Claims
- Tracks
- Roads

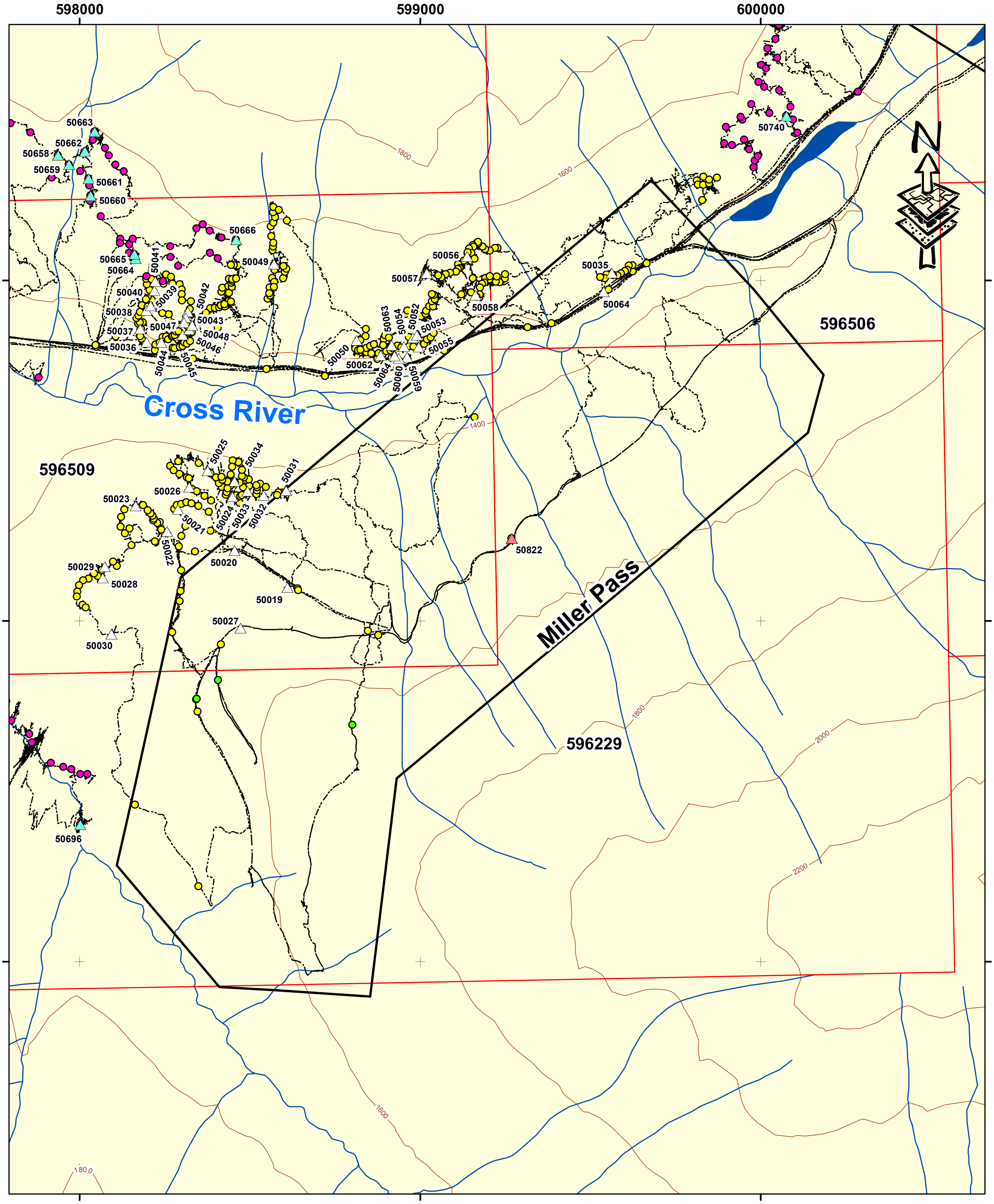



**Fig. 09: Baymag - Miller Pass area**

**Legend**

| | | | | | |
|---|---|---|---|---|---|
| ▲ | 2014 Samples | ● | 2014 Geo Stations | ☐ | Baymag Claims |
| ▲ | 2013 Samples | ● | 2013 Geo Stations | | Tracks |
| △ | 2012 Samples | ● | 2012 Geo Stations | | Roads |
| 50723 | Assay Number | | | | |

0 250 500 m

1:10,000

Datum NAD83
UTM Zone 11N