# TECHNICAL REPORT ON THE 2014 DDH PROGRAM AND MINERAL RESOURCE ESTIMATE NEW ALGER PROPERTY ABITIBI-TÉMISCAMINGUE, QUÉBEC Latitude 48° 13' N, Longitude 78° 25' W

**Prepared For**
**Renforth Resources Inc.**
**Suite 304 65 Front Street East**
**Toronto Ontario M5E 1B5**

**BILLIKEN MANAGEMENT SERVICES**
**Suite 304 65 Front Street East**
**Toronto Ontario M5E1B5**

**Written by Mark Wellstead, MGeol**
**Under the Supervision of**
**Brian H. Newton, P.Geo, OGQ Special Authorization #265**

**Effective Date: May 9, 2014**

List of Figures



List of Tables

## 1.0 SUMMARY

In January 2014, a six-hole diamond drill program was completed at New Alger by Billiken Management, on behalf of Renforth Resources. The targets of this program were up-dip extensions to the known gold-bearing veins in the region of the historic mine workings. In total, 601 metres were drilled. These drillholes successfully built upon previous knowledge of the mineralized system present on the property. Gold mineralization was encountered both in the form of visible free gold and in association with sulphides (arsenopyrite).

In order to facilitate future exploration planning and to determine the possible location and extent of contained gold a resource estimate was prepared, using historic information as well as results from the 2014 drill program. Assuming an open-pit scenario, resource estimates were made to a depth of 200 m and a cut-off grade of 0.75 g/t Au. The cut-off grade was selected based on the near-surface mineralization, cut-off grades as reported by other operators in the area and the availability of custom milling. Since many of the assays used in the estimate is historical in nature, all of the resource estimate, as listed below, is categorized as "Inferred".

*3,007,000 tonnes at 2.1 g/t Au (including all assays above cut-off grade)*

*2,947,000 tonnes at 1.8 g/t Au (with assays >11g/t Au cut to that value)*

## 2.0 INTRODUCTION

The New Alger Property, previously known as the Thompson Cadillac Mine property, consists of one Mining Concession and eight Claims in Québec's Doyon-Bousquet-LaRonde mining camp on the Cadillac Break. The intention of the 2014 program was to better characterize the mineralized veins and system at shallow depths in the region of the mine workings. Of special interest was the #3 vein which has been relatively unexplored historically in comparison to the #1 and #2 veins, which were intensely developed by the Thompson Cadillac mine.

All fieldwork was completed by Brian H. Newton, P. Geo., OGQ Special Authorization #265 of Billiken Management.

## 3.0 RELIANCE ON OTHER EXPERTS

This report relies on information recorded and compiled by the Quebec Ministry of Natural Resources, Renforth Resources and Billiken Management as well as companies and agencies historically related to the New Alger property.

This report, and recent reports relating to New Alger, have been prepared by Qualified Persons as per NI 43-101. Documents relied on in this report written prior to the creation of the NI 43-101 guidelines were compiled by individuals deemed to be responsible and knowledgeable professionals.

## 4.0 PROPERTY DESCRIPTION AND LOCATION

The New Alger project encompasses the Thompson-Cadillac mine, productive from 1936 to 1939 and one of a string of past-producing and active gold mines lying along the Cadillac Break.

The Property is located in the northwest of the Cadillac Township in Québec, a few kilometres southwest of the currently operating LaRonde mine. The property is covered by the NTS 32D01 topographic map. The property consists of Mining Concession CM0240PTA, which covers the Thompson-Cadillac site as well as a series of eight claims to the south, recently acquired by Renforth Resources:


**Figure 1 New Alger Property Location**

**Table 1 Details of New Alger Titles**

| Title | Description | Area (Hectares) |
|---|---|---|
| CM240PTA | Concession | 289.08 |
| CDC2041048 | Claim | 57.38 |
| CDC2041049 | Claim | 33.09 |
| CDC2041050 | Claim | 30.87 |
| CDC2041051 | Claim | 21.78 |
| CDC2041053 | Claim | 10.72 |
| CDC2041067 | Claim | 7.7 |
| CL5278943 | Claim | 15.97 |
| CL5278944 | Claim | 13.94 |

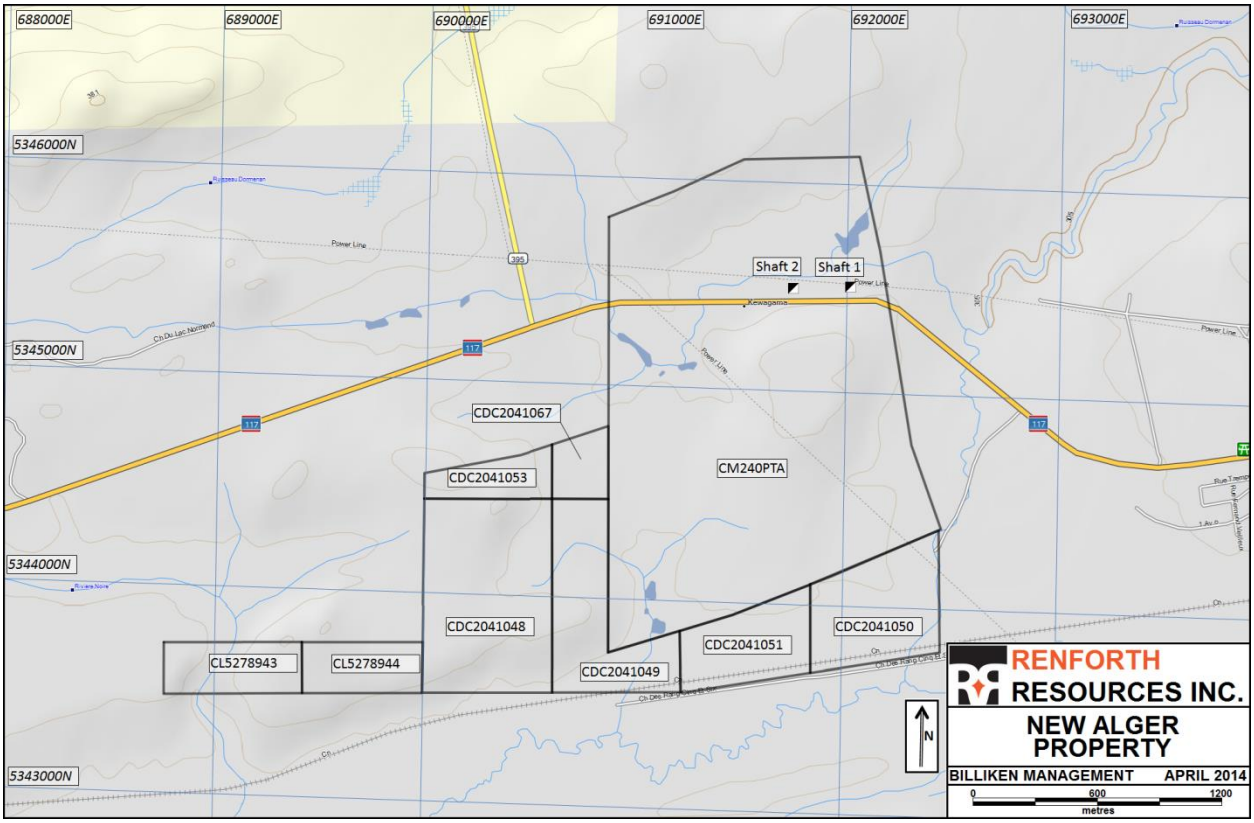



**Figure 2 New Alger Property**

# 5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

## 5.1 Accessibility

The property is readily accessible via Provincial Highway 117, which passes east-west through the Concession near the historic mine shafts. The towns of Rouyn-Noranda (45 km west), Malartic (30 km east) and Val d'Or (55 km east) can be reached on Highway 117, as can the small town of Cadillac which lies about 2 km east of the property.

Access to the site itself can be made using a number of entrance roads and tracks. Two large cleared areas exist on the south side of the highway, roughly at opposite ends of the property. These can be used as parking areas. Numerous tracks give access to the north side. A cleared area runs parallel to the highway roughly 100 m to the north, which is maintained by Hydro Québec. A wide east-west cleared area exists roughly 50-100 m south of the highway throughout much of the property, providing relatively easy access to locations suitable for drilling into the Piché Group.

## 5.2 Climate

The climate is typical of northwestern Québec. The winters extend from November to April and considerable amount of snowfall can be expected. When built up this snow can exceed a meter in depth. For short periods between mid-January to the end of February, the temperature may fall to approximately -40ºC. Summers are short with temperatures in the range of 5 to 35ºC, the latter generally occurring from mid-July to mid-August.

## 5.3 Local Resources and Infrastructure

The New Alger Property is roughly located in the center of the well-established Rouyn-Noranda / Val d'Or mining camp, with excellent infrastructure and two power lines crossing the property. In addition, a CN rail line passes along the southern edge of the property. The area has a workforce well-trained in all aspects of mining and mineral exploration. The mineral industry in this area is well provided for by companies established in Rouyn-Noranda, Malartic and Val d'Or.

## 5.4 Physiography and Vegetation

The local terrain is characterized by low undulating relief controlled by moraine and drained by a network of small rivers and streams. The bulk of the property is forested with fir, spruce, birch and poplar, save for a broad flat cleared area lying south of and roughly parallel to the highway. Low-lying ground is often marshy. Two ponds are found on the property itself near the east and west boundaries; both are roughly 50 m x 200 m in shape and size.

## 6.0 HISTORY

The New Alger Property has a long history of mining and exploration activities. A summary of all works and developments at New Alger is presented below (summarized from Gorman (1984) and Lahti (2006)). Work completed during the tenure of Cadillac Ventures and Renforth Resources is detailed under Exploration.

### 6.1 Pre-1981 Activities

1924-1925 – The present property was first staked by E. J. Thompson following the discovery of a wide zone of quartz veining in greywacke 240 m south of the present workings (the “Discovery Vein”). Further exploration led to the discovery of gold mineralization in the Piché Group volcanic rocks in contact with the Pontiac Group greywacke.

1925-1926 – The Huronian Belt Company sank two exploration shafts: #1 (East) to 35 feet and #2 to a depth of 15 feet.

1927 - The Thompson-Cadillac Mining Corporation was formed and continued shaft sinking. The #2 shaft reached 100 feet and the #1 shaft was enlarged to three compartments and deepened to 340 feet.

1929 - The #1 shaft was deepened to 600 feet, with levels at 150, 300, 450, and 600 feet. On the 150 level, the #1 Vein was drifted on for 275 feet, and the #2 Vein for 180 feet. On the 300-foot level both the #1 and #2 Veins were found. A 10-ton Straub mill processed 18 tons of ore with a grade of $9.74 gold. In November of 1928, 22 tons grading $7.43 gold was milled. By the spring of 1929 the lower levels were flooding, and pumping kept the mine dewatered to the 300-foot level.

1930 -Reserves down to the 300-foot level were reported as 35,000 tons grading $8.00 gold. Due to financial difficulties, all work was suspended.

1933 - Thompson-Cadillac Mining Corporation resumed operations. The #1 shaft was dewatered and re-examined. Minor underground development and 877 feet of drilling was carried out.

1934-1935 - The mine was dewatered to the 300-foot level, and later to the 600-foot level during the construction of a mill.

1936 - Lateral development continued to proceed on the 150, 300, and 600-foot levels. On the 150-foot level a drift extending 1,000 feet west of the #1 shaft encountered spectacular visible gold. It is reported that 843 troy ounces were handpicked on the 109E stope. Stopes on the three levels provided enough material for a 75-tpd mill. By late 1936 it is reported that the mill was producing 85 tpd averaging $8.00 gold at the mill-head. Total production for the year was 16,346 tons or $123,740 gold (3,535 oz. @ $35/oz.) of which $68,782 was free-milling (1,965 oz. = 56%), with the remainder as arsenical sulphide concentrates. This represents a recovered grade of 0.216 oz/ton

(7.63 g/t). Reserves as of February 1937 were reported to be 37,399 tons of an unspecified grade.

1937 - Production for the year was 38,081 tons yielding 1,730.4 ounces, for a recoverable grade of 0.045 oz/ton (1.56 g/t). The average mill head for the year was $5.39 (0.154 oz/ton at $35 gold). By October 31 a total of 12,995 feet of lateral work was done including 839 feet of stoping on the 150-foot level, 576 feet on the 300-foot level and 124 feet on the 600-foot level. During August 9 DDH (2,000 feet) were drilled examining a further 100 feet of strike length. Several encouraging sections were cut.

1939 - A total of 78,247 tons were milled during the year and $227,004 bullion was recovered (6,486 oz. at $35 gold) and 2,017 tons of arsenical concentrates containing another 2,875 oz. of gold was recovered. The recovered gold was 0.120 oz/ton. An important discovery was made south of the Cadillac Break on the 150-foot level. This new zone lies between 700 and 1,300 feet west of the main zone. According to old notes taken by A.P. Beavan (the O'Brien Division of Sulpetro Minerals) and quoted by B. E. Gorman "It is apparent that Beavan reckoned better possibilities could be found in the greenstones further west".

1939 - The mine operated until July, producing $143,752 in bullion from 42,381 tons of milled ore (4,097 oz. at $35 gold). There are no records of any concentrates. The new zone did not persist below the 150-foot level and the only work was done on the 610, and 616 stopes on the 600-foot level. After operations ended in July the mill was leased to Central Cadillac. A memo from H. C. Young (manager) dated August 1$^{st}$ reviewed reserves: 10,457 tons of broken ore in stopes of variable grade and 57,424 tons of probable ore of "average mining grade" in place.

1940-1942 - The mine was kept de-watered and the mill treated ore from Central Cadillac.

1943-1944 – Steps were taken to sell the property, without success. A report by T. Koulimine recommended additional drilling on the west part of the property, concentrating on a system of cross-fractures and renewed exploration in the quartz albitites north of the Cadillac Break.

1945 - Attempts at selling the property having proved futile, a new company called Alger Gold Mining Limited was formed. Diamond drilling began in June, totaling 20 surface holes (9,451 feet; the "A-series holes") and 48 underground holes (1,447 feet). During December, 103 feet of drifting was done on the 450-foot level, and 178 feet of cross-cutting on the 600-foot level.

1946 - An additional 4 surface holes were drilled on the west zone south of Cadillac Break. Numerous erratic sections of mineralization were found according to resident geologist W. G. Robinson. The total surface and underground drilling amounted to 9,256 feet. In May the shaft was deepened from 620 feet to 850 feet, with 689 feet of cross-cuts and 2,326 feet of drifting.

1947 - The main (#1) shaft reached 1,124 feet, with levels established at the 975 and 1,100 feet. Two veins (“B” and “C”) were opened up and found to join on the 1,100-foot level but pinched out 225 feet below. Operations ceased in early 1948.

1949-1950 – The mine and the mill remained idle. A deal was made with O’Brien to process 221.75 tons of arsenical concentrates to recover 491.54 ounces of gold.

1951-1962 – The Company, now New Alger Mining Limited remained idle, as did its operations.

1977-1981 – The property was acquired by A. N. Ferris following New Alger bankruptcy and transferred to Darius Gold Mines Inc. The property remained idle.

### 6.2 Work completed by Sulpetro Minerals Limited

Following the acquisition of the New Alger property as part of the Darius Joint Venture in August 1981 an attempt was made to compile all of the available records of previous work (see above). Between 1982 and 1984 the following work was completed:

- Redrafting of the property boundary based on a 1928 survey by D. R. Lowe at a scale of 1” = 10 chains. The new scale is 1:2,500.

- Surface compilation of diamond drilling (28 surface holes) totaling 14,735 feet or 4,491.2 meters at a scale of 1:1,000.

- Preparation of sections (1:200) at 50 meter intervals extending 600 meters east of the Bousquet-Cadillac TWP line.

- Capping of both shafts.

1987 -Under the Darius Joint Venture deal a magnetometer and VLF geophysical survey (project 2140.21) was done by J. L. Wright and Dr. Barry. The salient results of the survey were 1) the magnetic survey traced the porphyritic andesite host rock (the mineralized horizon) across the property and inferred the existence of a bulge in the Piché volcanic unit. (See report titled “Darius Joint Venture, New Alger Property, Project 2140.21 Magnetometer and VLF Geophysical Survey, N.T.S. 32D/1.)

- The following work was done (R. V. Zalnieriunas 1990):

- 2 drill holes were completed along section 7+75E with a total 273.56 m drilled. They were designed to test the Number 3 Zone at a shallow depth.

- 2 trenches just to the west of the #2 shaft were re-opened and sampled.

The log of one of the holes drilled in this year, hole **5061-2**, is available. This was drilled at 50° with a grid-north azimuth, with the collar at the intersect of lines 7+75E and 0+60S, to 175.6 m. Mineralization was encountered intermittently from 52 to 77 m, in

intermediate porphyries and tuffs, with five samples in this interval giving >1 g/t Au and one giving >10 g/t over 20 cm. Three further samples gave results >1 g/t, coinciding with veining in mafic volcanics at 95.3-96 m, and in interbedded pelites and tuffs at 134.6-135.6 m.

# 7.0 GEOLOGICAL SETTING and MINERALIZATION

## 7.1 Regional Geology

The New Alger Property is located in the eastern part of the Abitibi Greenstone Belt, which extends from Timmins in Ontario to Val d'Or, Québec and which has been and remains a highly productive district for both base and precious metal deposits. The rocks of the area are all of Archean age and are in the greenschist metamorphic facies, and chlorite and epidote are present as common alteration minerals in many of the lithologies on-site. Figure 3 presents the general geology at the New Alger property.

On the property, the Pontiac, Piché and Cadillac groups are represented, all with east-west strikes and near-vertical dips. The Cadillac Break, a broad schistose deformation zone, runs broadly east-west to the north of the Piché Group and represents a significant regional conduit for gold emplacement. A string of deposits (Bousquet, New Alger, O'Brien, Kewagama, Central Cadillac, Wood Cadillac, Pandora and Lapa Cadillac) are all located close to or within the Cadillac Fault Zone.

## 7.2 Property Geology

New Alger is overlain by the Pontiac, Piché and Cadillac units. These rocks are located on the south limb of the Malartic syncline whose axis passes along the northeast boundary of the property. The Cadillac Break runs through the Piché Group. A local, comparatively recent fault runs across the centre of the property with a trend of about 10 degrees, crossing the baseline at about 5+25E and displacing units by a few tens of metres.

*Pontiac Group*

The Pontiac Group is found across the southern half of the property and mainly consists of greywacke with minor mudstones and local mafic and ultramafic flows. A thin band of polymictic conglomerate marks the north limit of the Pontiac Group. This conglomerate seems to pinch out westward.

*Cadillac Group*

This group is comparable to the Pontiac Group, consisting of greywacke with occasional lenses and beds of conglomerate, siltstone, graphitic mudstone and iron formation.

*Piché Group*

The Piché Group forms a thin east-west band occupying the center of the property. It is comprised of mafic to intermediate lava flows and agglomerates as well as intermediate tuffs. Intermediate sills and sub-concordant dykes are common, particularly close to the fault zone. Two prominent intermediate flows are quartz- and albite-porphyritic; these are strongly associated with the gold-bearing vein system. The Cadillac Break fault zone lies north of the porphyries and consists of green talc-chlorite schists which appear to be derived primarily from Piché mafic volcanics. It varies from 30 to 180 m in thickness.

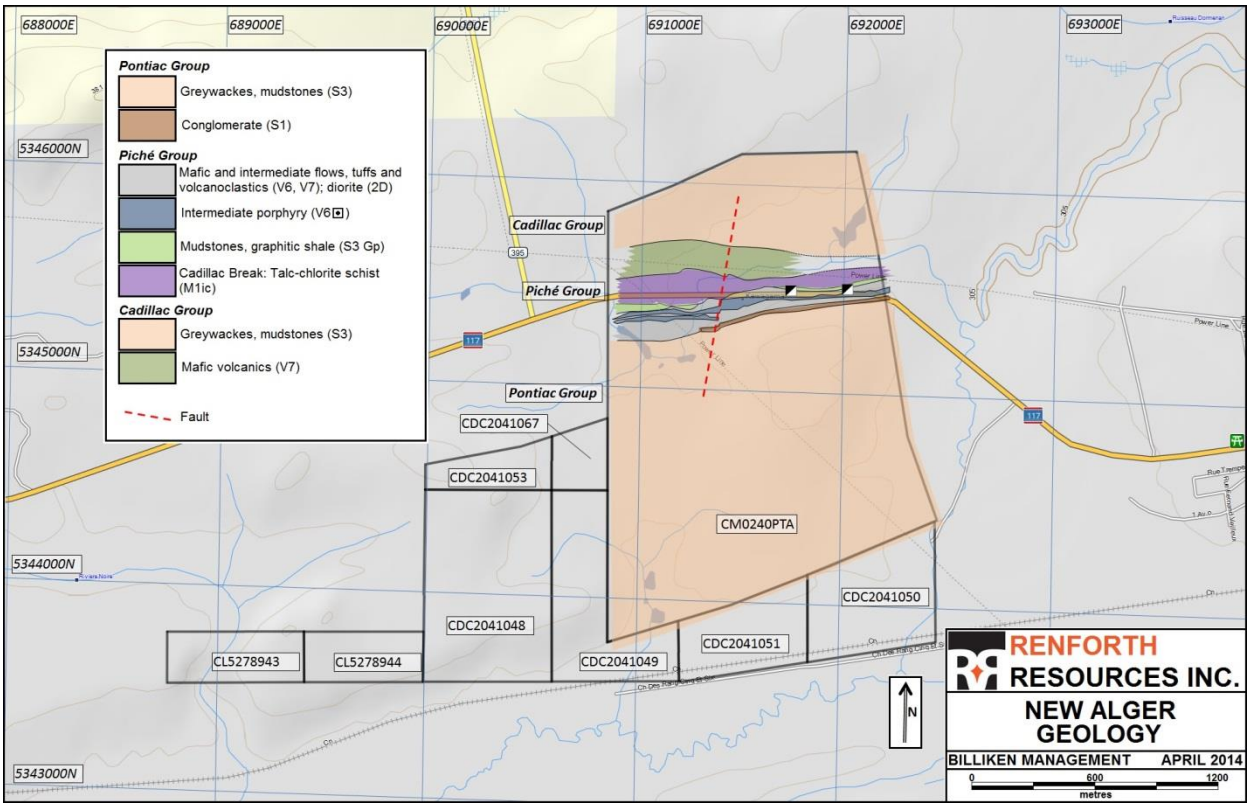



**Figure 3 Geology of New Alger**

## 7.3 Mineralization

At the New Alger Mine, gold was contained in at several blue-grey-coloured quartz-carbonate veins with variable amounts (trace to 10%) of sulphides; the most common being arsenopyrite, pyrite, chalcopyrite and pyrrhotite. These veins appear to be controlled by fracture/shear zones approximately parallel to the regional strike and to the Cadillac Break. The two main vein packages (or their controlling shears) are found within or adjacent to the two porphyry units, separated by about 30 m (Veins #1 and #2 in the South and North Porphyry respectively). A third vein package (#3), relatively unexplored by comparison, lies about 30 m north of the northern porphyry.

Gold is found both in free form within quartz veins, or in association with bladed arsenopyrite which is found along vein margins, within vein wallrock or in biotitized shears. Arsenopyrite gold content appears to increase as the size of the blades increases.

Arsenopyrite is a valuable indicator mineral at New Alger because of its strong spatial link to gold mineralization. Records from other properties on the Cadillac Break, including neighboring O'Brien, suggest that scheelite can be found in close association with vein-hosted gold, and can also be used as an indicator.

# 8.0 DEPOSIT TYPES

Three types of mineralization related to distinct gold-bearing geological settings characterize the Doyon-Bousquet-LaRonde Mining camp:

- Gold bearing massive sulphide lenses (Bousquet 2 and LaRonde mines)
- Gold-rich polymetallic veins (Doyon and Mouska)
- Auriferous veins associated with regional E-W trending faults (O'Brien, Thompson Cadillac (New Alger), Wood Cadillac and Lapa)

# 9.0 EXPLORATION

Cadillac Ventures acquired the property in April 2006 from Chilly-Bin Inc. A joint venture was established in 2009 between Cadillac Ventures and Renforth Resources. In January 2013, Cadillac Ventures sold its interest in the property wholly to Renforth Resources. In February 2014, Renforth expanded the property by acquiring the eight Claims.

## 9.1 Geophysical Surveys

In November and December 2006, JVX Ltd completed ground magnetic and IP/Resistivity surveys on a 100 meter spaced grid covering the New Alger Concession. Total field magnetic readings were taken at 12.5-meter intervals, while IP and resistivity and readings were taken at 25-meter intervals on each line. Pseudosections displaying resistivity and Mx chargeability were produced by Goldeye Explorations for each easting line, as well as a contour plan map of the entire site.

The most notable anomaly, besides those clearly produced by power lines or topography, is an east-west-oriented conductive and magnetic (up to 2500nT) band aligned with line 1+50N. This is roughly 100 m wide, dips northward at approximately 45° and clearly correlates with the mineralized units of the Piché Group. Four outlying IP anomalies were found, and exploratory drilling was recommended at each of these locations. Further information on these surveys and their results can be found in a report produced by Blaine Webster and Ian Johnson of JVX, dated March 2007, Ref. 6-71.

### 9.2 2007, 2008 and 2010 Diamond Drill programs

Twelve holes (NA-07-01 to 12) were drilled at New Alger between September and December 2007. Eight of these (NA-07-05 to 12) were drilled in a roughly east-west band, within 100 m of the highway on the south side with azimuths typically 360° (grid north) and dips between 50 and 70°. These were aimed at the two intermediate porphyritic units in the Piché Group which were exploited for gold previously and the east-west striking body picked up by the earlier geophysical surveys. The remaining four holes targeted the outlying geophysical anomalies, two each in the Pontiac and Cadillac sediments.

Six holes, totaling 1,707 m, were drilled in 2008 to spatially characterize the mineralization discovered by the 2007 holes. Four of these holes were overcuts of 2007 holes in the Piché Group while two (NA-08-01 and 02) undercut and outstepped hole NA-07-02 on an outlying mineralized body.

A further nine holes were drilled in the winter of 2010-2011 by Minroc Management, totaling 2,231 m, all of which traversed the Piché package from the south at relatively shallow depths. All holes successfully encountered at least one mineralized zone. These holes were assayed for a wider suite of elements and uncovered broad low-grade silver halos which surrounded the gold-bearing zones.

Details on these drill programs can be found in the relevant reports prepared by Billiken Management and Minroc Management.

### 9.3: Geological Surface Work

Billiken Management carried out a prospecting program in August 2013 which included surface stripping, mapping and channel sampling. A total of eighty-two channel and grab samples were collected.

Most notably, this program rediscovered the “Discovery Veins” in the southern part of the property, which were the site of the original gold discovery at New Alger. Braided systems of blue-grey quartz veining were found at several points on surface in this area, hosted by the Pontiac Group greywackes. Seven samples returned values over 0.5 g/t Au of which three gave over 1.0 g/t.

A comparison of these results with historic documents suggests that a broad series of gold-bearing veins exist from roughly 150S to 450S, stretching from the eastern boundary at least as far west as line 9E.

Work was also completed in the shafts area, where gossanized outcrops of the #1 and #2 Vein systems were stripped and sampled. Results showed that those vein systems extended upwards to rockhead.

Further details on this program can be found in the report prepared by Billiken Management.

## 10.0: DIAMOND DRILL PROGRAM

**10.1 Program Summary** The 2014 program consisted of six short diamond drillholes, totaling 601 m. These produced shallow intercepts of the #1, #2 and #3 veins, with the aim of intercepting shallow gold mineralization from both the north and south. All were collared on the north side of the highway. Drilling was undertaken by Foramex Drilling of Rouyn-Noranda between the 11th and 16th of February. Drilling was smooth, with each hole taking little more than a day to complete. A local stream was used as a water source.

**Table 2 Details of 2014 Diamond Drill Program**

| Hole ID | UTM E | UTM N | Dip (deg) | Az (deg) | Length (m) |
|---|---|---|---|---|---|
| **REN-14-10** | 692027 | 5345522 | -60 | 0 | 102 |
| **REN-14-11** | 691844 | 5345580 | -45 | 180 | 111 |
| **REN-14-12** | 691798 | 5345511 | -45 | 0 | 105 |
| **REN-14-13** | 691687 | 5345504 | -45 | 0 | 114 |
| **REN-14-14** | 691642 | 5345504 | -45 | 0 | 105 |
| **REN-14-15** | 691945 | 5345561 | -45 | 180 | 64 |

Core was logged and cut (using a diamond saw) in a garage in nearby Malartic, and was stored at a nearby sawmill property, alongside the 2010-2011 core. Intervals of note for the 2014 diamond drilling program are listed in the table below:

**Table 3 Notable Intervals from the 2014 DDH**

| Hole | From (m) | To (m) | Length (m) | Au g/t |
|---|---|---|---|---|
| **REN-14-10** | 30.7 | 34.4 | 3.3 | 0.37 |
| **REN-14-10** | 87.0 | 93.0 | 6.0 | 7.12 |
| **REN-14-11** | 63.0 | 64.0 | 1.0 | 5.6 |
| **REN-14-11** | 69.0 | 83.0 | 14.0 | 4.76 |
| ***including*** | 71.0 | 83.0 | 12.0 | 5.44 |
| **REN-14-12** | 42.0 | 42.8 | 0.8 | 0.83 |
| **REN-14-12** | 52.5 | 55.5 | 3.0 | 0.38 |
| **REN-14-13** | 21.6 | 22.6 | 1.0 | 1.00 |
| **REN-13-13** | 56.4 | 63.4 | 7.0 | 1.67 |
| **REN-14-13** | 67.4 | 68.8 | 1.4 | 0.48 |
| **REN-14-14** | 28.6 | 29.3 | 0.7 | 0.4 |
| **REN-14-14** | 68.6 | 69.5 | 0.9 | 1.46 |
| **REN-14-15** | 17.9 | 19.2 | 1.3 | 3.28 |
| **REN-14-15** | 21.9 | 22.9 | 1.0 | 2.71 |
| **REN-14-15** | 37.7 | 38.7 | 1.0 | 1.79 |

## 10.2 Drilling Results

**REN-14-10 (UTM 692027-5345522, dip -60 az 360, length 102 m)**
This was a short hole, drilled to probe intact mineralized zones in close proximity to the workings around Shaft #1 on line 11+80E. It intersected the South Porphyry 23.3-30.7 m, showing strong biotitization and shearing on its northern boundary and containing ~5cm boudinaged grey quartz veins with arsenopyrite halos. It passed through the #1 Vein 30.7-35.2 m. An interesting assay value was returned from the #1 Vein intersection of .365 g/t / 3.3 m from 30.7 – 34 m. The conglomerate unit, distinctively present in the eastern part of the property, was intersected from 35.2-41.6 m. The North Porphyry was encountered 41.6-47.7 m, exhibiting strong shearing and the mixed-sulphide clots characteristic of this zone. Beyond this the hole passed through the #2 Vein 87-92 m and briefly intercepted the workings following this vein around 91 m. A weighted average gold grade of 7.12 g/t Au / 6 m from 87 – 93 m was returned from Vein #2. Thirty-nine samples were taken.

**REN-14-11 (UTM 691844-5345580, dip -45 az 180, length 111 m)**
This hole was drilled on line10E east of Shaft 2, drilled south from a point north of the workings, aimed at the #3 vein. After passing through a mafic suite it passed through some minor graphite shale units 57.5-60.3 m which carried a series of quartz-carbonate veinlets and pyrite clots. The #3 Vein in this hole lies within a strongly biotized and chloritic mafic tuff unit from 60.3 to 75 m down hole with a narrow band of small blue – grey quartz veinlets from 61.7 – 64 m down hole with a highlight assay of 5.6 g/t over 1

m from 63- 64 m down hole. The hole passed through the #2 Vein from 75-83.4 m, which carried small clots of visible gold around 82.4 m. This interval returned an assay of 5.44 g/t Au over 12 m from 71-83 m down hole. The North Porphyry was passed 83.4-99 m, carrying a set of minor fracture-fill quartz veins. The hole ended within the conglomerate at 111 m without reaching the #1 Vein. Sixty-three samples were taken.

**REN-14-12 (UTM 691798-5345511, dip -45 az 360, length 105 m)**
This hole was collared on line 9+50E, just passing over the #2 Vein and was aimed northwards at the #3 Vein. It passed through tuffs and graphite shales 29.4-36.3 m before finding a dense network of 1-5 cm blue quartz veins 36.3-55.5 m which likely represents the unit hosting the mineralized #3 Vein. There were two interesting intersections within this mineralized package again demonstrating that the gold mineralization does show continuity through this area albeit at lower grades. The highlight intersections are 42-42.8 m .832 g/t over .8 m and from 52.5 to 55.5 m .376 g/t Au over 3 m. Beyond this the hole passed through a mafic package interspersed with chlorite schists; one band of schist runs 64.7-97 m. The hole stops at 105 m which may be on the north side of the Cadillac Break. Forty-four samples were taken.

**REN-14-13 (UTM 691687-5345504, dip -45 az 360, length 114 m)**
This hole was drilled from L8+50 west of Shaft 2, and aimed north at the #3 Vein. A series of veinlets in the first few metres may represent the tail end of the #2 Vein package. The #2 Vein was represented by a narrow milk white quartz vein with the mafic tuffs with a highlight assay of .996 g/t Au over 1 m from 21.6 – 22.6 m down hole. A series of mafics and intermediates tuffs and volcanics were found before a graphite shale was crossed 48.6-52.6 m; beyond this lay a sericitic tuff carrying numerous minor grey quartz veins from 52.6 – 63.4 m. A significant blue grey quartz vein was found from 59.2 – 61.1 m within this tuff horizon and probably represented the #2 Vein in this area. An assay interval from 56.4 – 63.4 m down hole returned 1.67 g/t Au over 7 m. Beyond this another substantial vein was found 67.4-68.8 m which carried visible gold on its southern contact; this is probably the #3 Vein. An assay of .484 g/t Au over 1.4 m was returned from 67.4 – 68.8 m down hole. The hole entered the Cadillac Break schist at 74.3 m and stopped within the schist at 114 m. Fifty-one samples were taken.

**REN-14-14 (UTM 691642-5345504, dip -45 az 360, length 105 m)**
This hole was drilled on line 8E, collared west of Shaft 2 and like hole 13 was aimed at the #3 Vein. Veins #1 and #2 were not intersected in this hole. Narrow tuff and mafic volcanic units were intersected in the top of the hole with some very minor blue very quartz veinlets. An interesting Au value of .4 g/t Au over .7 m from 28.6 – 29.3 m was intersected. It passed through the graphite shale units 52.6-56.5 m. A set of 1-5 cm blue quartz veins were found beyond this as well as strong silicification at 68.6-75.1 m; this probably represents the #3 Vein system. An assay of 1.456 g/t Au from 68.6 – 69.5 m was returned from the upper portion of this unit. The Talc – chlorite schist was entered at a depth of 77.9 m and the hole stopped in the schist at 105 m. Thirty-nine samples were taken.

**REN-14-15 (UTM 691945-5345561, dip -45 az 180, length 64 m)**
This hole was collared between the two shafts and drilled southward, for a shallow intercept of veins #1 and #2. It passed through the biotite altered tuff horizon containing fine disseminated arsenopyrite hosting Vein #2 from 17.9-21.9 m. Vein #2 is probably represented by numerous cm-scale satellite veins concentrated at 17.9 – 19.2 m and 21.9 – 22.9 m down hole that returned assays of 3.279 g/t Au over 1.3 m and 2.711 g/t Au over 1 m respectively. At the lower portion of the tuff unit another from 37.7 – 38.7 m an assay of 1.79 g /t Au over 1 m was returned. It passed through one of the porphyry units 42-56.7 m, with two 10 cm blue quartz veins near its northern contact which may represent the #1 Vein system here. Only anomalous Au values were found here. The hole stopped at 65 m.

Casings for each hole were capped and left in place when drilling was complete. After drilling it was noted that the casing for holes 11 and 15 were producing water at surface at approximately 5-10 gallons per minute.

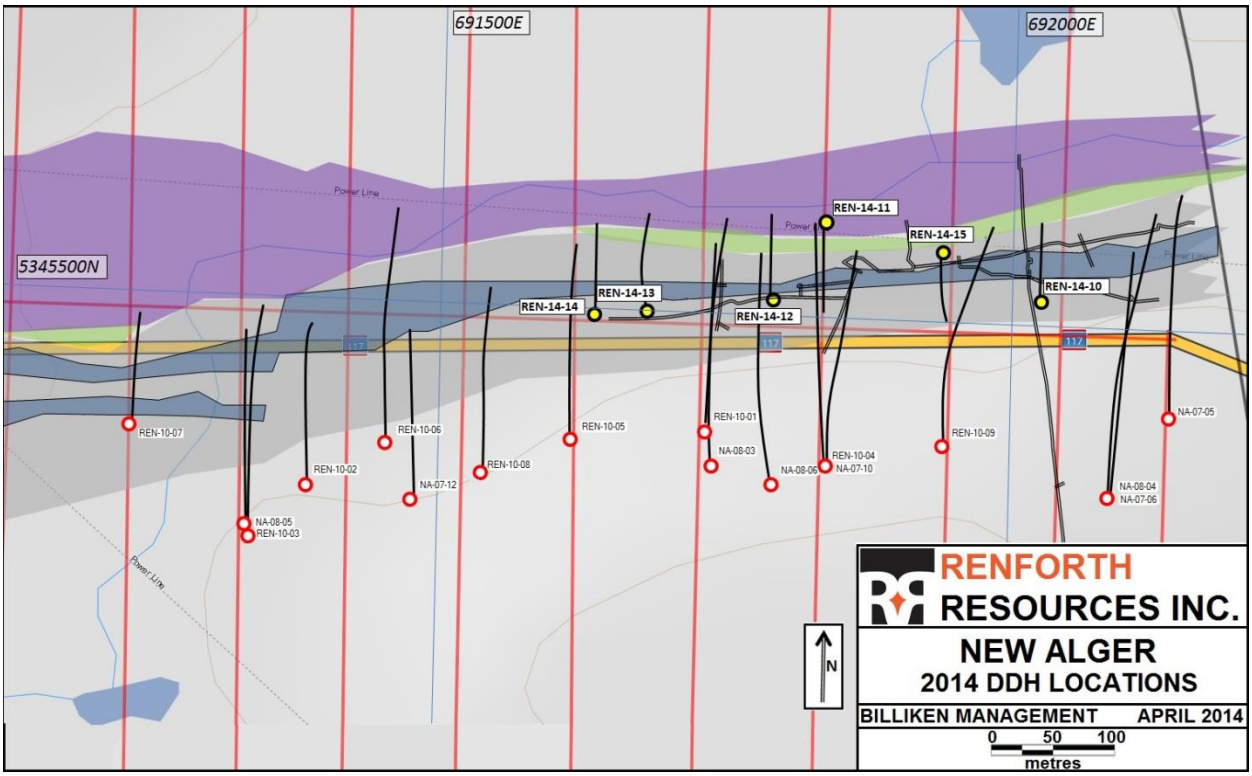


**Figure 4 Location of 2014 DDH (black circles).** Recent DDH shown by red circles

## 11.0: SAMPLE PREPARATION, ANALYSIS & SECURITY

Samples were marked out with crayons during logging, and cut by diamond saw in the same Malartic garage as logging was conducted. The water used by the saw was changed regularly and the samples placed in sealed bags individually to minimise contamination. Samples were assigned individual numbers, with number tags both sent

with the core for sampling and stapled to the core boxes alongside the remaining core. Samples were transported by Billiken personnel to Techni-Lab of Val d'Or, and were analyzed for gold by the *TMT-G5B* fire assay method. Overlimits (greater than 3000 ppb) were tested by the *TMT-G5C* gravimetric method.

## 12.0 DATA VERIFICATION

Techni-Lab conducted duplicate tests on a selection of samples in each batch. Available duplicate data for Au is presented in the assay certificate appendix; all are satisfactory, with the greatest deviations likely attributable to the "nugget effect" whereby the presence or absence of individual gold nuggets causes differing results. Also shown below are sample duplicates for the "multi-element" procedures, showing manganese results as an example. Prepared standard materials (*OXD-108*, *OXJ-95* and *OXQ-90*) were also tested at Techni-Lab to further assess instrumentation accuracy.

## 13.0: METALLURGICAL TESTING

There is no metallurgical testing for the New Alger property to report on at this time.

## 14.0: MINERAL RESOURCE ESTIMATES

### 14.1 Assays

Assay results were obtained from several previous operators including underground and surface drilling and underground channel sampling but some of the information was available only in cross-section and level plan format with no drill logs or descriptions. Original drill logs were available for the historical A-series holes (Alger Gold Mines, 1945) as well as for the post 2006 drilling.

While the analysis method for the A-series holes is not known it is assumed that it was by fire assay method by an unknown laboratory, the drill logs provided both analysis of sludge and core and detailed lithology. The location of these holes was by mine grid coordinates which has not been changed other than imperial to metric conversion since the original holes were drilled. Several of the A-series drill holes were twinned in the recent drilling and the results returned a favourable comparison. The closest twinning was with Hole REN10-07 which was drilled within 10 m of hole A-09 (Section 4+00E, Table 4 and Figure 12). Both holes intersected a mineralized zone which assayed as in the following table.

**Table 4 Comparison of a Series and Recent Drilling Results**

| HOLE | A-09 | REN10-07 |
|---|---|---|
| From | 60.96 | 37.3 |
| To | 80.47 | 55.5 |
| Length | 19.51 | 18.2 |
| High | 2.74 | 4.23 |
| Low | 0.69 | 0.04 |
| Average (g/t Au) | 1.16 | 1.12 |

Two other A-series holes were undercut by recent drilling but were further apart (40 m vertical). A-03 and REN10-03 at 5+12.5E returned 1.76 m @ 2.74 g/t Au 1.76 m and 3.00 m @ 3.60 g/t Au respectively. The results and locations of the mineralized zones in the A-series, while not an exact match, do compare to the more recent drilling. Other problems with the A-series include the unknown core size, the poor core recovery in the altered and auriferous zones and the sporadic sampling only where obvious veins and sulphides were encountered. These issues would probably lead to lesser gold results than the more recent data. Since all of the A-series holes were drilled west of the mine area, it was decided to include these in the resource estimate.

Several old level plans and cross-sections contained plots of underground drilling as well as channel sampling but no other information or logs for these are available. Although they do provide a useful guide to the direction and continuity of the mineralized zones, they were not used in the estimation.

Table 5 provides a summary of the drilling used for the block model.

**Table 5 DDH Program Summaries**

| Drill Holes | Year Drilled | Number of holes | Total Length (m) | Number of samples | Total Sample Length (m) | Percent Sampled |
|---|---|---|---|---|---|---|
| A-series | 1945/46 | 24 | 3,826 | 571 | 486.2 | 12.7 |
| NA-series | 2007 | 8 | 3,195 | 696 | 650.9 | 4.9 |
| NA-series | 2008 | 4 | 1,209 | 361 | 438.2 | 36.2 |
| REN-series | 2010 | 9 | 2,231 | 701 | 823.2 | 36.9 |
| REN-series | 2014 | 6 | 602 | 269 | 267.3 | 44.4 |
| **TOTAL** | | 51 | 11,063 | 2,598 | 2,665.8 | 24.1 |

The coordinate system for the original level plans, sections and drill logs were in "Mine Grid", the recent drilling, was located in UTM Zone 17, NAD83 datum using a hand-held GPS unit. Since the mine grid was, and still is used for sections the newer drill collars were converted to the mine grid system using a translation of -690843.67 m east, -534598.22 m north and a counterclockwise rotation of 0.57°. This translation was

determined using those collars that reported both coordinate systems as well as several readings of the location of the #2 Shaft. Unfortunately, the #1 Shaft has been buried so no GPS readings could be taken at that location. The apparent error in the conversion is on the order of 6 to 7 metres which is well within the error range of the hand-held GPS units that were used. This error may be resolved if the #1 Shaft is ever uncovered and/or a differential GPS is used to locate the shafts and drill holes.

The topography in the immediate area of the mine is relatively flat, varying by no more than 10 metres, the elevation used for all collars was kept at 5,000 metres, the same that was used in the original mine plans and previous drilling campaigns as well as on many other properties along the Cadillac Break.

### 14.2 Deposit Modelling

All underground drifts, cross-cuts and stopes were digitized by the author using the original mine level plans, longitudinal sections and cross-sections. These were required to both guide the drilling in the area and to be able to exclude these voids from the final estimate.

Prior to the block model estimation, the assay data was first constrained to block model limits +10m. This constrained data was then examined by statistical analysis, histograms, cumulative frequency and log-probability plots (Figures 5 to 7). Three samples have assays that are much higher than the average range of values. The three outliers are all greater than 20 g/t Au with the next lowest being 10.97 g/t Au. On the log-probability plot (Figure 7) the data greater than detection limits exhibit a nearly single log-normal population with a sharp break at the 11 ppm level. This is also close to the break in curve on the cumulative frequency curve. The high values were therefore cut to 11 ppm Au. The final estimation was carried out using both cut and un-cut data to provide a comparison between the two data sets. Since, as seen in Table 2 above, only an average of 24% of the holes were sampled, those lengths not sampled were given a value of zero grams per tonne gold. The data were then composited down-hole to equal lengths of 1 metre which provided the final data for block estimation.

**Table 6 Assay Data Statistics**

| Statistic | Raw Data | Raw Data Cut to 11 g/t Au | Au Zeroed & Composited Data |
|---|---|---|---|
| Number of samples | 2596 | 2596 | 10950 |
| Minimum value (g/t Au) | 0 | 0 | 0 |
| Maximum value (g/t Au) | 342.86 | 11 | 11 |
| Mean (g/t Au) | 0.57 | 0.43 | 0.10 |
| Median (g/t Au) | 0.030 | 0.030 | 0.00 |
| Variance | 46.935 | 1.182 | 0.254 |
| Standard Deviation (g/t Au) | 6.851 | 1.087 | 0.504 |
| Coefficient of Variation | 11.924 | 2.515 | 5.007 |

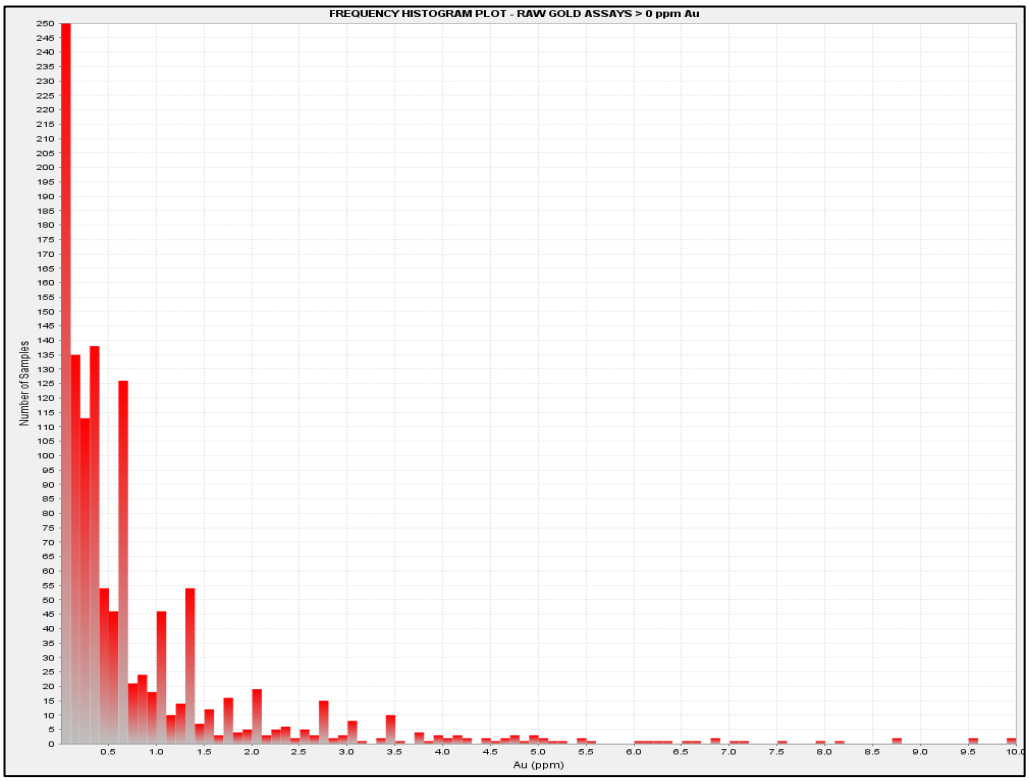



**Figure 5 Frequency Histogram of Raw Gold Assays >0 g/t Au**

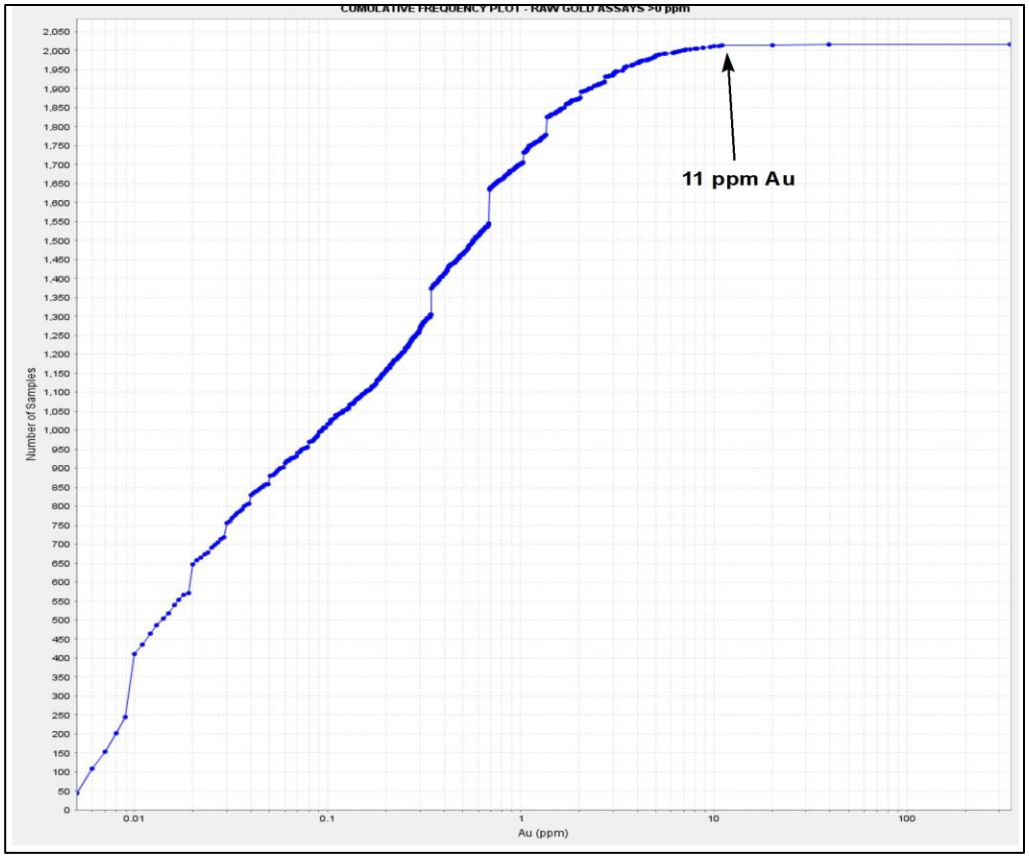



**Figure 6 Cumulative Frequency Plot of Au Showing 11 g/t Au Assay Cap**

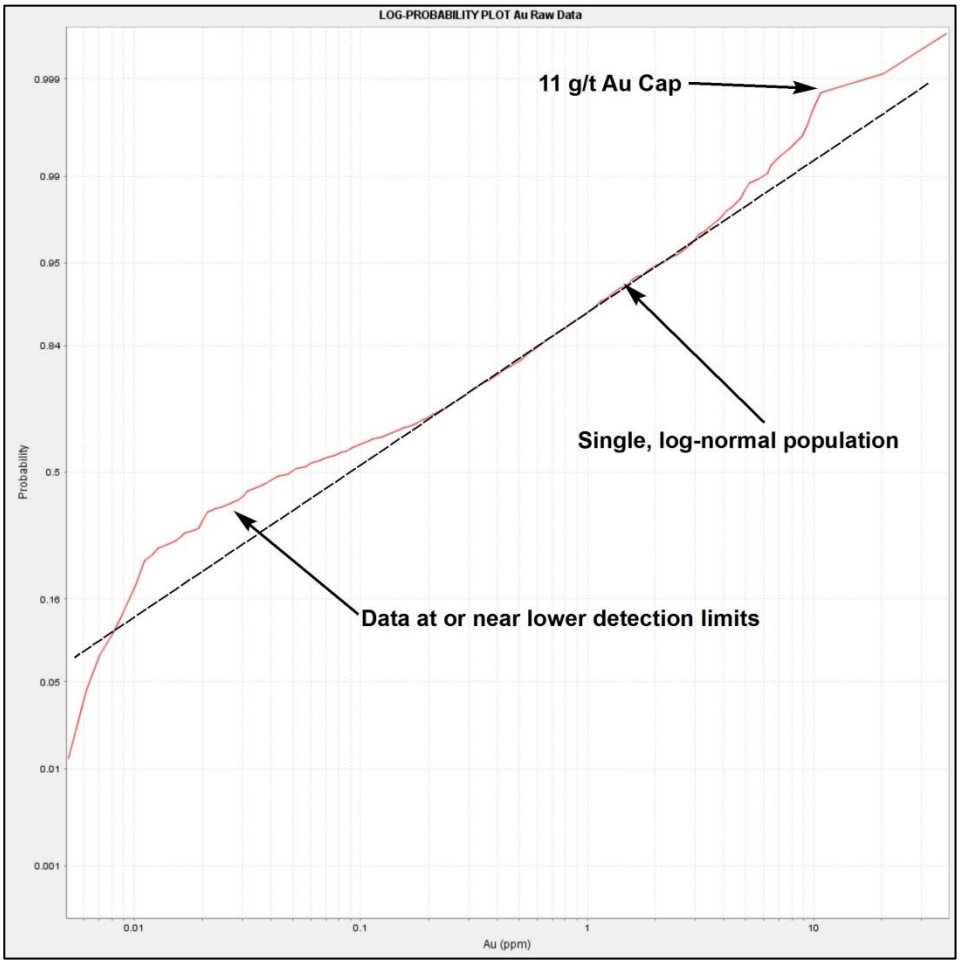



**Figure 7 Log Probability Plot of Gold Values Showing 11 g/t Au Assay Cap**

All of the drill hole data were uploaded to Gemcom Surpac modeling software and checked for overlapping and duplicate samples. An examination of the underground level plans, stopes and drill hole gold histograms in plan indicated that there is an envelope of gold mineralization with the major veins trending approximately 260°-080° with nearly vertical dips (Figure 8). This trend is parallel to the Cadillac Break immediately to the north. The block model was therefore set up with the long axis was parallel to this trend. Figure 9 illustrates the dimensions and orientation of the block model.

In keeping with the narrow vein scenario, as well as to reflect the overall shape and dimensions of the veins mapped underground, block sizes were chosen to be 1 m wide (y-axis) 5 m long (x-axis) and 5 m depth (z-axis). A summary of the block parameters can be found as Table 7.

**Table 7 Block Model Parameters**

| Parameter | X | Y | Z |
|---|---|---|---|
| Minimum (m) | -20 | -225 | 4500 |
| Maximum (m) | 1430 | -70 | 5000 |
| Length (m) | 1720 | 300 | 570 |
| Cell Size (m) | 5 | 1 | 5 |
| Direction (grid) | 080° | 350° | Vertical |
| Number of Blocks | 290 | 155 | 100 |

Block estimation was carried out using inverse distance squared ($1/d^2$) algorithm with 2 search ellipsoids and the following parameters.

Ellipsoid 1 Size - Major Axis 25m Major/Minor Axis 25m Minor Axis 5m
Ellipsoid 2 Size - Major Axis 50m Major/Minor Axis 50m Minor Axis 10m
Directions - Major Axis 080° Major/Minor Axis -90° Minor Axis 350°
Exclusions - Block partial percentages calculated for overburden, drifts and stopes
Minimum # of reporting samples - 3
Maximum # of reporting samples - 15
Maximum # of samples per drill hole - 3

While no analysis of specific gravity of the mineralized zones was carried out, an average value for quartz (the main component of the veins) with sulphides was assumed to be 2.7 g/cc.

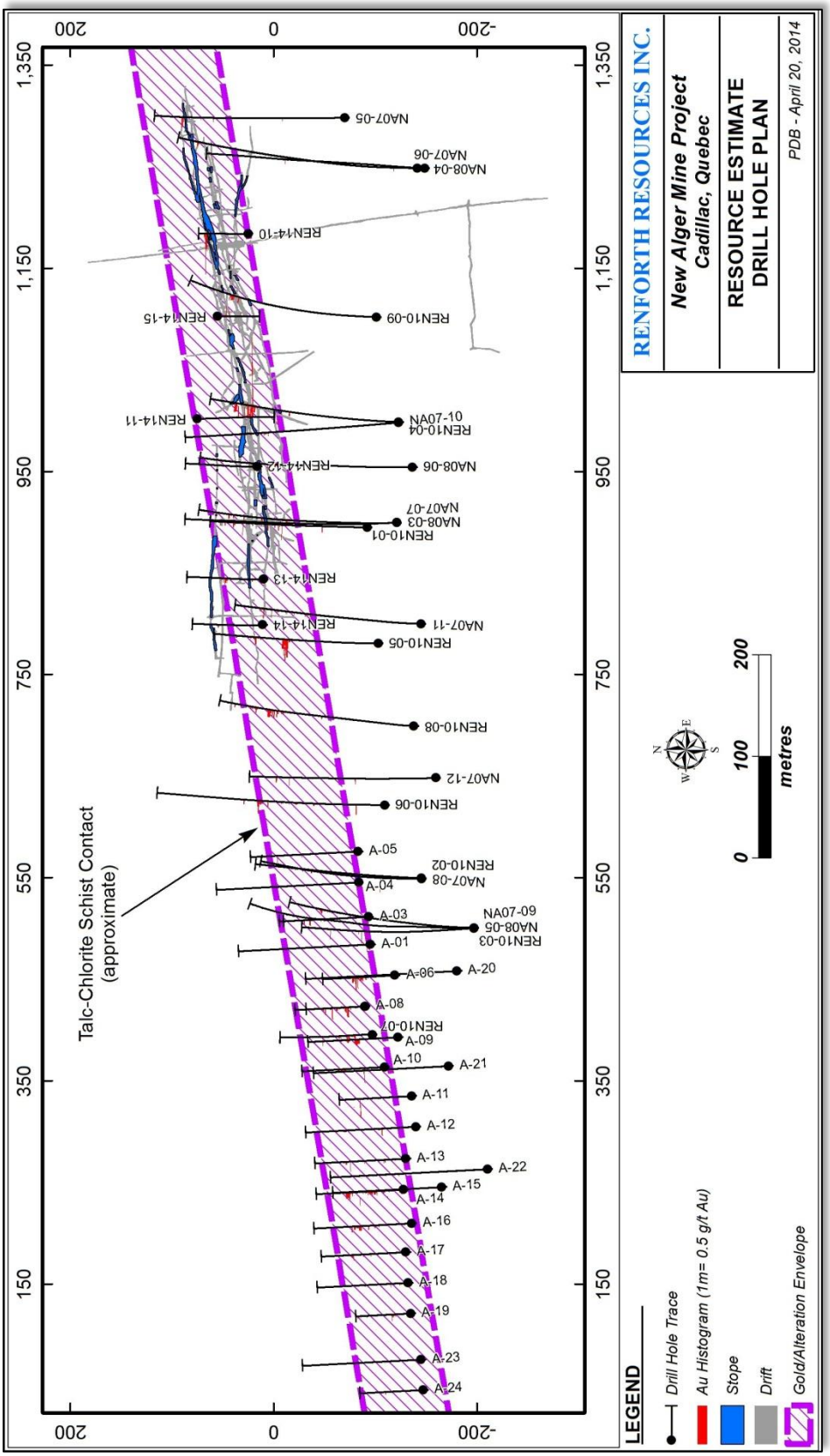



**Figure 8 Drillhole Plan Showing Mineralization Corridor**

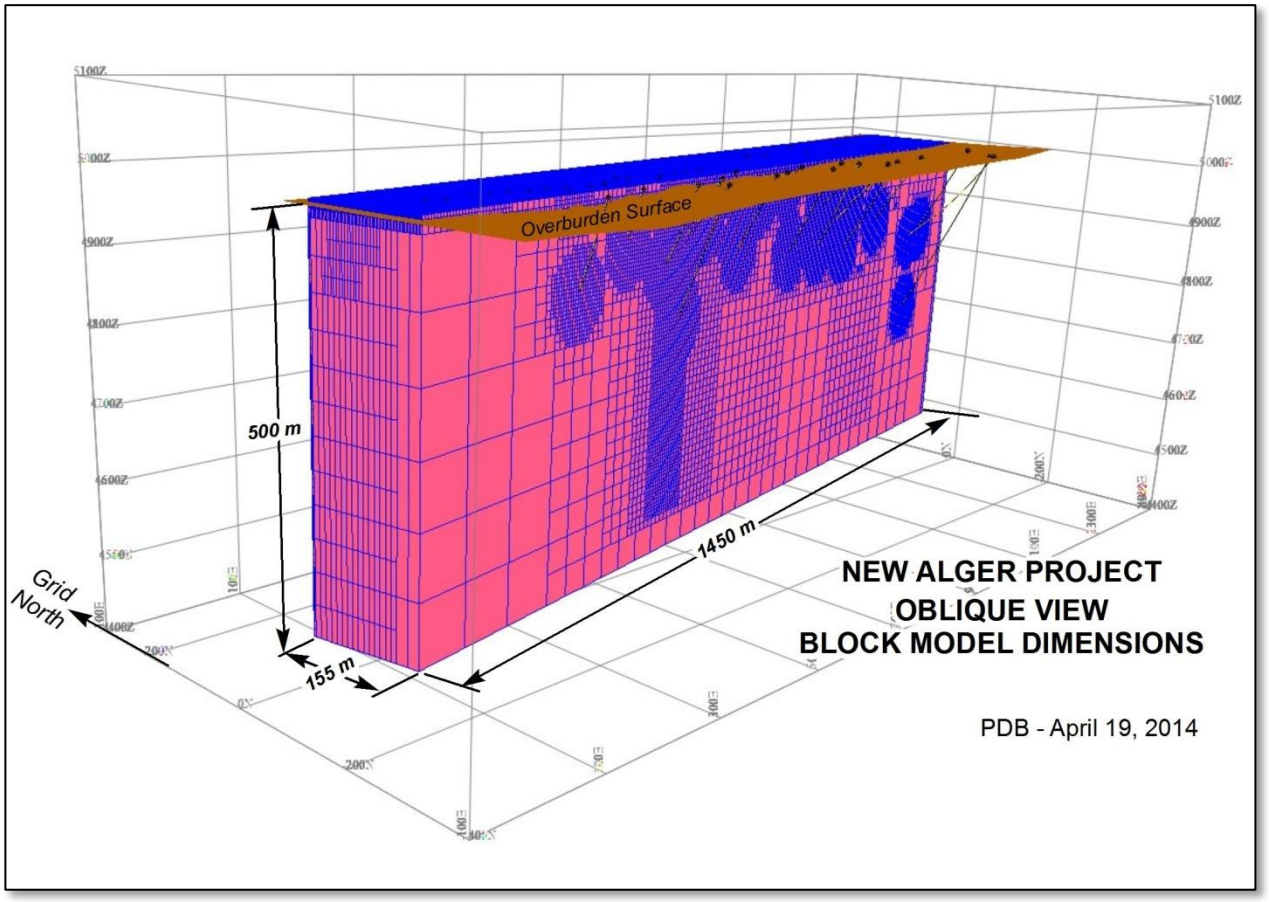



**Figure 9 Isometric and Oblique View of Block Model Dimensions**

Four block estimation passes were carried out, one at a 25 m search radius and one at a 50 m search radius for both capped and un-capped data. Upon completion of the estimation runs, the block model was visually examined in plan and section to verify that the block model results were consistent with the raw data. Simple statistics were also calculated for the input data and the final block results for both cut and un-cut datasets. Table 8 provides the statistical analysis results. It is apparent that the block estimation resulted in statistics that describe a data set that has a lower mean, variance and standard deviation indicative of the estimation weighted averaging process. The statistical comparison between the two data sets model blocks are therefore within expected parameters. Differences between the un-cut and cut data is also as to be expected where the uncut statistics define a curve that is wider and slightly shifted to higher gold values.

Figures 10 to 12 provide a selection of cross sections with block model blocks (cut data) coloured by grade as well as the down hole gold histograms. These indicate that the block modeling was consistent with the raw assay data.

**Table 8 Statistics of Raw, Composited and Block Model Data**

| Statistic | Down Hole Composites Uncut >0 ppm | Block Model Uncut >0 ppm | Down Hole Composited Data >0 ppm | Block Model Data>0 ppm |
|---|---|---|---|---|
| Number of samples | 2471 | 442072 | 2471 | 441896 |
| Minimum value (g/t Au) | 0.001 | 0.005 | 0.001 | 0.005 |
| Maximum value (g/t Au) | 41.14 | 16.30 | 11 | 8.98 |
| Mean (g/t Au) | 0.48 | 0.39 | 0.45 | 0.36 |
| Median (g/t Au) | 0.08 | 0.116 | 0.08 | 0.115 |
| Variance | 2.392 | 0.854 | 0.973 | 0.511 |
| Standard Deviation (g/t Au) | 1.547 | 0.924 | 0.987 | 0.715 |
| Coefficient of Variation | 3.216 | 2.346 | 2.210 | 1.962 |

Figure 12 (Section 400E) also provides a comparison between the A-series and the more recent drilling campaigns. The assays in both correlate fairly well although the recent drilling tends to have higher grades where there was samples taken. Note that, for clarity, on all of the sections only those assays greater than 1 g/t Au are posted.

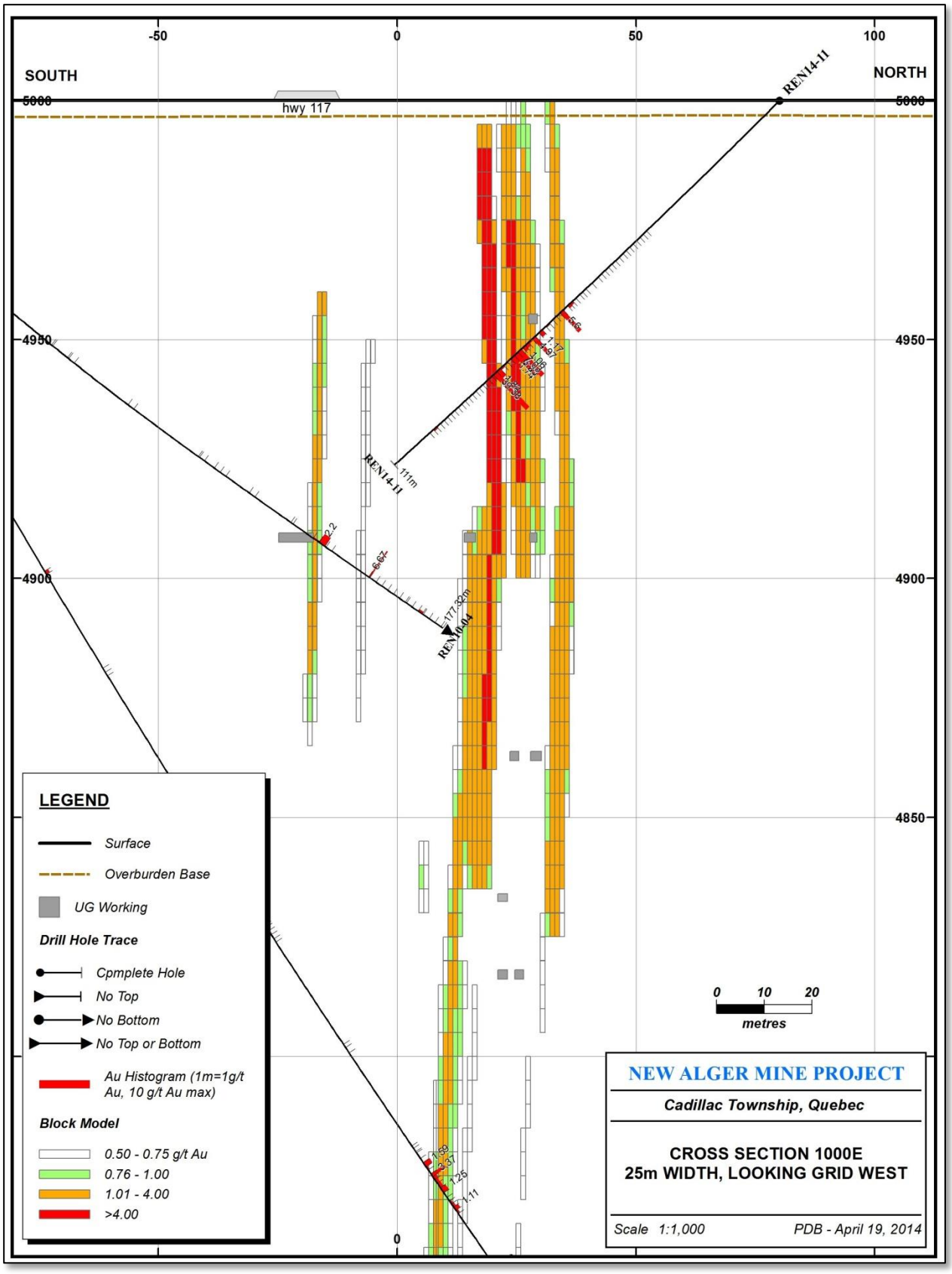



**Figure 10 Section 1000E, Blocks Coloured by Estimated Grade**

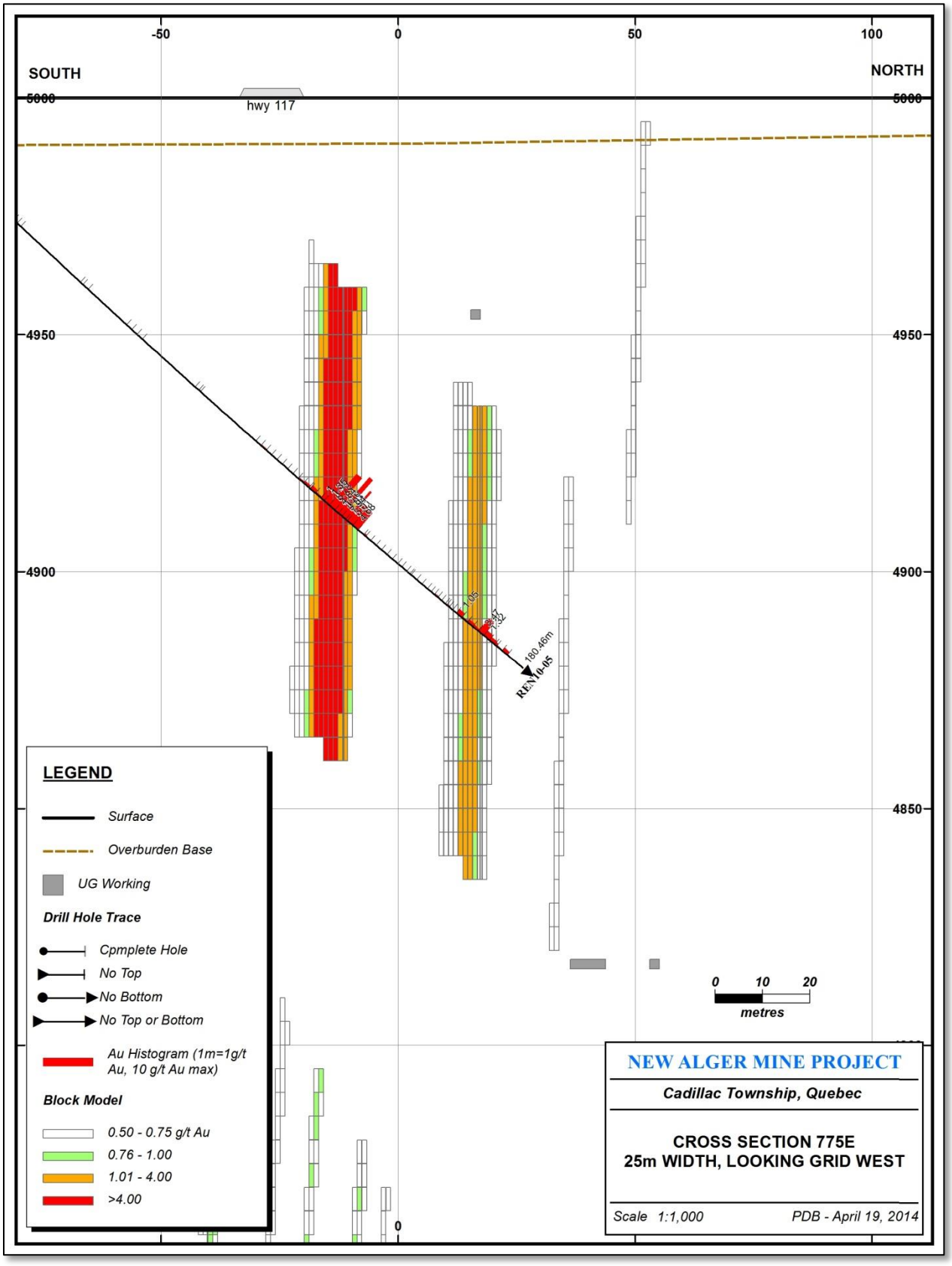



**Figure 11 Section 775E, Blocks Coloured by Grade Estimates**

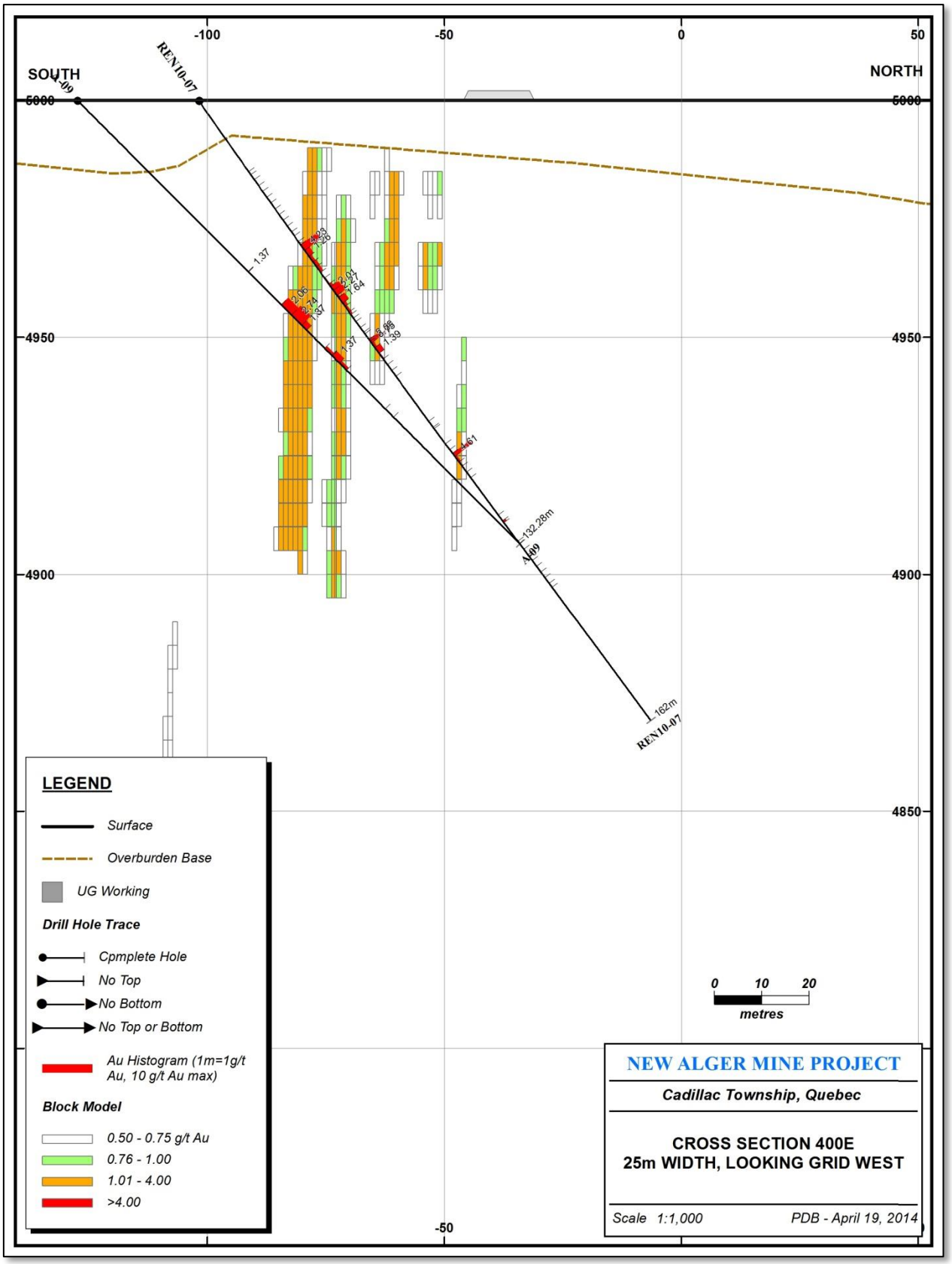



**Figure 12 Section 400E, Blocks Coloured by Grade, Twinned Holes**

## 14.3 Estimate

Since the resource relied, in part, on historical data which could not be directly verified, the resource has been classified as “Inferred“.

Block reporting and counting was performed for those blocks within the 25 m search radius as well as the blocks between within the 25 m to 50 m search radius. This provides a rough confidence level within the "Inferred" resource category.

Block volumes were multiplied by the partial percentages for the overburden and voids where solid rock has a value of 1 and blocks completely within voids and overburden were given a value of 0. Block that spanned the boundaries were given a percentage value between 1 and 0 depending on the amount of the volume of the block that was within solid rock.

The 0.75 g/t cut off is justified on the basis that the resource outcrops at the surface, enabling comparisons to be drawn with open-pit, lower-grade operations nearby such as Canadian Malartic. In addition, custom milling is being considered elsewhere in the camp and could also be employed at New Alger.

The model was then queried by several grade cut-offs for both cut and un-cut data to a 200 m depth. The results of the estimation are found in Table 9.

**Table 9 Resource Estimate**

**INFERRED RESOURCE ESTIMATION - UNCUT DATA**

| 0-25m Search radius | | | | 25-50m radius | | | Total | | |
|---|---|---|---|---|---|---|---|---|---|
| Cut-off (g/t Au) | Tonnes | Au (g/t) | Au (oz) | Tonnes | Au (g/t) | Au (oz) | Tonnes | Au (g/t) | Au (oz) |
| 0.50 | 1,781,000 | 1.6 | 89,000 | 2,831,000 | 1.6 | 144,000 | 4,612,000 | 1.6 | 233,000 |
| 0.75 | 1,180,000 | 2.0 | 77,000 | 1,827,000 | 2.1 | 124,000 | 3,007,000 | 2.1 | 201,000 |
| 1.00 | 859,000 | 2.5 | 68,000 | 1,331,000 | 2.6 | 110,000 | 2,190,000 | 2.5 | 178,000 |
| 2.00 | 309,000 | 4.3 | 43,000 | 530,000 | 4.3 | 74,000 | 839,000 | 4.3 | 117,000 |

**INFERRED RESOURCE ESTIMATION - DATA CUT TO 11 g/t Au**

| 0-25m Search radius | | | | 25-50m radius | | | Total | | |
|---|---|---|---|---|---|---|---|---|---|
| Cut-off (g/t Au) | Tonnes | Au (g/t) | Au (oz) | Tonnes | Au (g/t) | Au (oz) | Tonnes | Au (g/t) | Au (oz) |
| 0.50 | 1,757,000 | 1.4 | 78,000 | 2,787,000 | 1.4 | 126,000 | 4,544,000 | 1.4 | 204,000 |
| 0.75 | 1,160,000 | 1.8 | 66,000 | 1,787,000 | 1.9 | 107,000 | 2,947,000 | 1.8 | 173,000 |
| 1.00 | 838,000 | 2.1 | 57,000 | 1,290,000 | 2.3 | 93,000 | 2,128,000 | 2.2 | 150,000 |
| 2.00 | 287,000 | 3.5 | 32,000 | 490,000 | 3.6 | 57,000 | 777,000 | 3.6 | 89,000 |

1. *Tonnages have been rounded to the nearest 1,000 tonnes so may not add up.*
2. *The "Total" columns were calculated from the block model itself, not from the addition of the search radius columns.*
3. *Classification is compliant with the "CIM Resource Definition Standards, 2010"*
4. *It cannot be assumed that all or any part of the Inferred Resource will be upgraded to an Indicated Resource category.*

While, at this stage of exploration, a financial analysis has not been carried out, a resource cut-off of 0.75 grams per tonne gold (highlighted in Table 9) is thought to be a reasonable grade for a first-pass open pit scenario. This is based upon the near-surface mineralization, the availability of custom milling, a gold price of $1,200 per ounce and cut-off grades being reported by other operators in the area (Canadian Malarctic - 0.34 g/t Au, Pascalis - 0.7 g/t Au., Joanna - 0.5 g/t Au).

Simplified grade-tonnage graphs were compiled from the estimates which can be found as Figures 13 and 14.

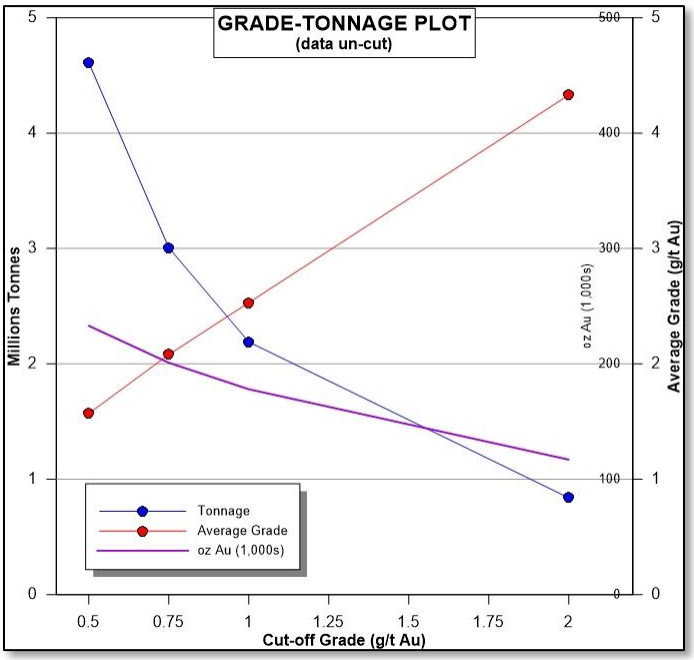



**Figure 13 Grade Tonnage Curve – Un-cut Data**

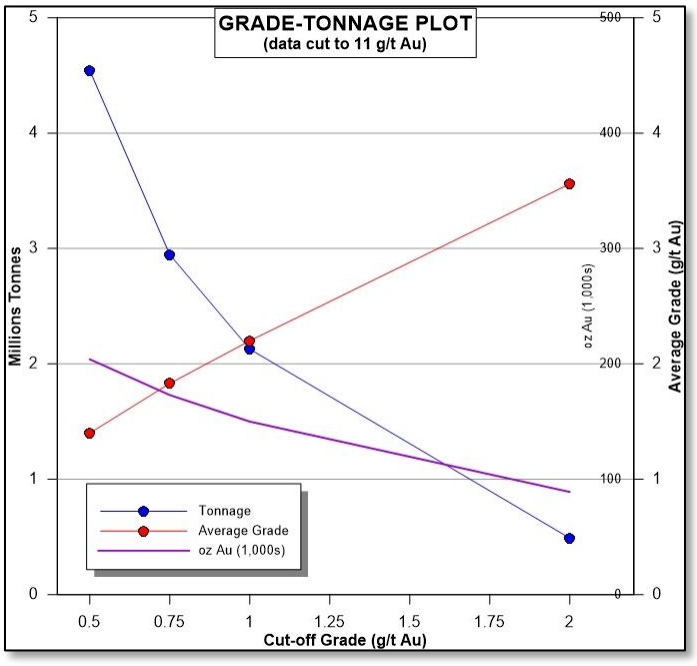



**Figure 14 Grade Tonnage Curve – Cut Data**

## 15.0: MINERAL RESERVE ESTIMATES

There are no mineral reserves estimates data to report on at this time.

## 16.0: MINING METHODS

There are no mining methods data to report on at this time.

## 17.0: RECOVERY METHODS

There are no recovery methods data to report on at this time.

## 18.0: PROJECT INFRASTURCTURE

There are no project infrastructure data to report on at this time.

## 19.0: MARKET STUDIES AND CONTRACTS

There are no market studies or contracts to report on at this time.

## 20.0: ENVIRONMENTAL STUDIES, PERMITTING, AND SOCIAL OR COMMUNITY IMPACT

There are no environmental studies, permitting and social or community impact data to report on at this time.

## 21.0: CAPITAL AND OPERATING COSTS

There are no capital and operating costs to report on at this time.

## 22.0: ECONOMIC ANALYSIS

There are no economic analyses to report on at this time.

## 23.0: ADJACENT PROPERTIES

The New Alger property in Cadillac, Québec is surrounded by numerous properties boasting active or historic mining operations. To the north lie Agnico-Eagle holdings related to their LaRonde-Bousquet mines and to the northwest are IAMGOLD's Doyon and Mouska operations, all on the adjacent parallel Destor-Porcupine fault system.

To the west lie the former Bouscadillac and Brown-Bousquet mines, directly related to New Alger via the Cadillac Break; these are also held by Agnico-Eagle. To the east – all related to the Cadillac Break - are the O'Brien and Kewagama mines, both held by Radisson Resources and both the site of historically productive mines. The historic Wood Cadillac and Central Cadillac mines, held by Globex Mining, lie east of the Radisson properties, as does Agnico-Eagle's active Lapa mine and Osisko's historic Pandora mine. At Malartic 30 km to the east, Oskisko operates the open-pit Canadian Malartic mine.

In 2013 Radisson published a resource estimate for the Zone 36 East deposit at O'Brien (Radisson 2013), giving 560,000 indicated tons at 0.19 oz/ton Au (5.94 g/t), and 317,000 inferred tons at 0.21 oz/ton Au (6.56 g/t).

An inferred resource published in 2008 (Pressacco 2008) for the Ironwood Deposit at Central Cadillac gives 243,200 inferred tons at 17.26 g/t Au.

The historic workings closest to New Alger, for example O'Brien, are likely the most suitable analogues for the New Alger deposit.

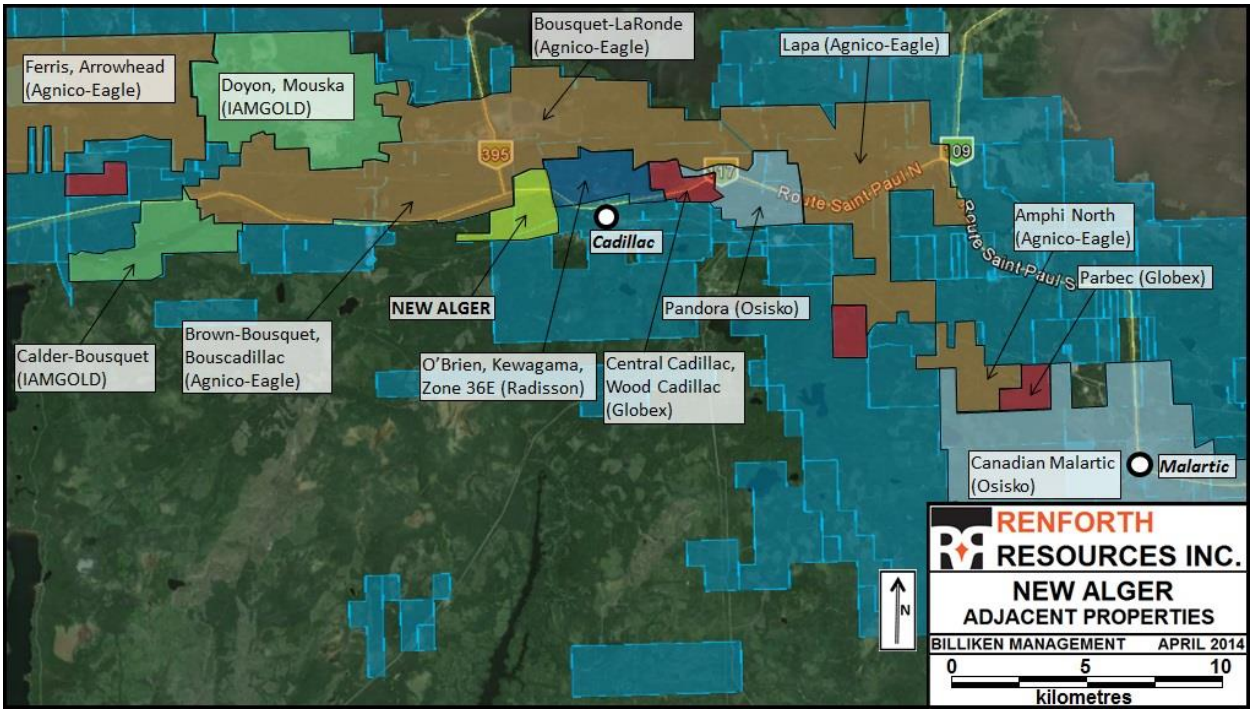


**Figure 15 New Alger Adjacent Properties**

## 24.0: OTHER RELEVANT DATA

There are no other relevant data to report at this time.

## 25.0: INTERPRETATION AND CONCLUSIONS

### 25.1: Drill Results

This drill program successfully confirmed the presence of gold mineralization in all three of the main vein systems close to the mine workings. Visible, free gold was also noted in the #2 and #3 Veins. The results helped to fill-in existing models of the mineralized zones and improve our understanding of the vein systems.

Surveys completed from the mine workings showed that the vein systems are boudinaged, anastomotic and frequently offset by minor faults. The nature of the vein systems varies greatly along their strike; e.g. in holes 13 and 14 the #3 vein system appeared respectively as a pronounced 1.4 m quartz vein, and then a diffuse zone of silicification with a series of minor veins. The veins are partly controlled by shear systems typically running sub-parallel to the Piché units; welded breccias and shears can sometimes be seen within the larger veins suggesting several generations of vein emplacement, gold emplacement or shear. It is suspected that gold mineralization within the veins may also be controlled by these tectonic features.

### 25.2: Resource Modelling

A great deal of the data used in the estimate is historical in nature with no direct validation. Due to the age and lack of information on the A-series of holes, the resource category is necessarily "inferred" these will eventually need to be re-drilled in order to upgrade the category to an indicated status.

Most drill holes were assayed only where quartz veining and alteration was observed by the geologist. These non-assayed portions were given a zero gold value. This affects the estimate by both reducing the overall grade and providing no information on possible lower grade mineralization between the sampled core. This missing data may be important if the area is to be investigated for open pit mining.

The estimate was down to 200 m depth but in the west portion of the project, where most of the holes were the A-series that were drilled to a vertical depth of less than 130 m. While the more recent holes were drilled to a greater depth, these are spaced 50 m to 100 m apart and mostly have only one hole per section. A denser drilling pattern would greatly assist in increasing the deposit size, upgrading the resource category and providing a greater confidence in continuity.

Both top cut and un-cut estimates were completed. While only three assays were greater than the cut of 11 g/t Au, one of them was 342 g/t Au over a length of 0.12 m which, when composited to 1 m length, gave a 1 m interval at 41 g/t Au with no other holes on section. Cutting the assay to 11 g/t Au prior to compositing resulted in a composited assay of 1.32 g/t Au over 1 m. This decreased the tonnage by 2% and the grade by 16% and shows how cutting high assays can adversely affect an estimate when averaged by compositing then by the block estimation averaging.

The A-series of holes were probably assayed by fire assay with an apparent detection limit of 0.01 oz/ton or 0.34 g/t Au. Gold analysis below this value was listed as "trace" or "0" which was given a zero value in the data set. This would reduce the overall grade and tonnage to a certain extent. Also of concern with these holes was the recoveries. Where stated in the logs, core was generally lost in faults and in the talc-chlorite schist but occasionally missing core was reported in mineralized zones as well.

## 26.0: RECOMMENDATIONS

Future drilling efforts should be concentrated on:

- Re-drilling and exploring the western half of the property to expand upon the patchy historic A-series hole data

- In-fill drilling in the eastern property. At least two holes should be completed for each 25 m section to give clarity and possibly upgrade the “estimate” classification to “indicated”.

- Exploring at depth, New Alger has nowhere been worked or explored to depths greater than 350 m. However, immediately east at O'Brien, the same vein systems were exploited by workings reaching a depth of 3,450 ft (Winze #4; 1050 m depth).

- Exploring to the south in the Discovery Vein system once adequate surface exploration has been carried out to identify targets

In addition it is very important that the recommended additional sampling of the drill core from the 2007, 2008 and 2010 drill programs be carried out. At the time the focus of the sampling was on the blue grey quartz systems, and the biotite altered sulphidized tuffs and altered porphyritic intrusions were all but ignored. We now have a much better understanding of these units and now know that they are also often well mineralized with Au and Ag. As such, a significant program of extra sampling of this core was laid out by Billiken Management in 2011. This work should be followed up on during the next drill program.

## 27.0: REFERENCES


Alger Gold Mines Ltd. 1945. *Logs: DDH A1-A24 & B1-B4*

Gorman, B.E. 1984. Geological compilation of surface diamond drilling by New Alger ML (1945-1946). Sulpetro Minerals Limited

Beaudoin, A. and Trudel, P. 1989. *Géologie des mines New Alger, Wood Cadillac, Central Cadillac, Pandora, Lapa Cadillac et Mic Mac*. Série Des Manuscrits Bruts. Ministère de l'Énergie et des Ressources Gouvernement du Québec.

Zalnieriunas, R. V. 1990. *Project 5061, New Alger.* Darius Joint Venture

Lahti, H.R. 2006. *Technical Report on the New Alger Property Mining Concession CM-0240-PTA, Cadillac Township Quebec.* Blue Power Energy

JVX Ltd. 2007. *Report on Spectral IP/Resistivity and Magnetic Surveys New Alger Property – Cadillac Township Quebec*.

Billiken Management Services, Inc. 2008. *43-101 Report on A Diamond Drilling Campaign on the New Alger Property*.

Pressacco, R. 2008. *Technical Report for the Mineral Resource Estimate, Ironwood Project, Cadillac Township, Quebec.* Globex Mining Enterprises Inc. and Queenston Mining Inc. Joint Venture

Wellstead, M. and Newton, B. 2011. *Technical Report on the 2010-11 Drilling Project, New Alger Property, Cadillac, Quebec.* Minroc Management

de l'Etoile, R. and Salmon, B. 2013. *Technical Report on the O'Brien Project, Mineral Resoruce Estimate, Quebec, Canada.* Radisson Mining Resources Inc.

Ngo, H. and Wellstead, M. 2013. *Report on the 2013 Surface Sampling Program at New Alger, Abitibi-Temiscamingue, Quebec.* Billiken Management

## 28.0: DATE AND SIGNATURE PAGES

I, Brian H Newton, B.Sc. Geology, P. Geo. Do hereby certify that:

1. I currently reside at 1518 Jasmine Crescent, Oakville ON L6H 3H3.

2. This certificate applies to the report entitled "Technical Report On The 2014 DDH Program and Mineral Resource Estimate New Alger Property".

3. I am a graduate of McMaster University, with a B.Sc. in Geology (1984) and I have practiced my profession continuously since that time.

4. I am a member of the Association of Professional Engineers and Professional Geoscientists of Ontario (Since 2007; Membership Number 1330) OGQ Special Authorization #265.

5. I am a geologist and an employee of Billiken Management Services., a firm of consulting geologists based in Toronto, Ontario.

6. I am a qualified person for the purposes of this "Report".

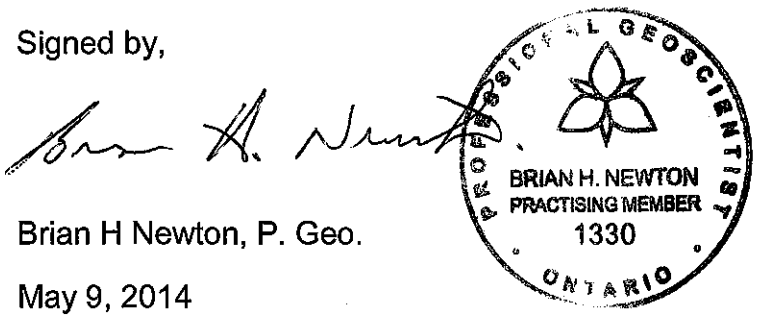
7. I am responsible for all sections of the "Report".

8. I am independent of Renforth Resources Inc.

9. I have had no prior involvement with the property that is the subject of the Report.

10. As of the date of this certificate, to the best of my knowledge, information and belief, the Report contains all scientific and technical information that is required to be disclosed to make the Report not misleading.

Signed by,




Brian H Newton, P. Geo.

May 9, 2014

**PHILIP DAVID BURT**

As a consultant to the author of this report entitled "Technical Report on the 2014 Diamond Drilling Program and Mineral Resource Estimate, New Alger Property" and dated May 1, 2014, I hereby make the following statements:

1. My name is Philip David Burt and I am the Sole Proprietor of Burt Consulting Services, 2281 Carol Road, Oakville, Ontario, CANADA, L6J 6B5. I am a resident of Oakville, Ontario, CANADA.

2. I have been awarded the following degrees in Geology/Mining:
   i) British Columbia Institute of Technology, 1971, Diploma of Mining Technology

   ii) University of British Columbia, 1980, B.Sc (Geology)

3. I am a registered Professional Geoscientist in the Province of Ontario (Reg. #1741) and the Province of Saskatchewan (Reg. #10902). I have worked as a technician/geologist for more than forty years.

4. I am a Member of the Society of Economic Geologists.

5. I have read the definition of "Qualified Person" set out in National Instrument 43-101 ("NI-43-101") and certify that, because of my education, affiliation with a professional association (as defined in NI-43-101), and relevant work experience, that I fulfill the requirements of a "Qualified Person" for the purposes of a NI 43-101.

6. My relevant experience for the purpose of this report includes joint authorship of several NI 43-101 reports on various gold projects including:

   1997 Utah, Evaluation of vein silver deposit
   1997 Southern Zimbabwe, Evaluation of gold exploration properties
   1997 Timmins West, Evaluation of vein gold property with historical mine
   2003 Dachang Gold Mine, Qinghai, China, NI 43-101 Report, technical support
   2004 Gold properties, Mali, Internal Resource Evaluation
   2005 Gold properties, Geraldton area, Data compilation
   2008 Vein Au, Michaud Twp., Ontario, Resource Evaluation for NI 43-101 Report
   2009 Historic gold mine, Matachewan, Data compilation, underground modeling
   2010 Pb-Zn-Ag Inner Mongolia, China, Resource Estimation for NI43-101 Report
   2010 Au, Malartic area, Quebec, Resource Estimation for NI43-101 Report
   2010 Zn-Ag-Au NSW Australia, Deposit modeling, Internal Resource Evaluation
   2011 Au North Timmins area, Internal Resource Evaluation
   2011 SW of Timmins, Ontario, 43-101 resource estimation on narrow vein gold deposit

2011 Au, Ancash, Peru, Resource Estimation for NI43-101 Report
2013 Sn-W, New Brunswick, narrow vein resource estimation for NI43-101 report

7. I have been involved in the data management, GIS compilation, map production and planning since January 2013.

8. I have never been to the New Alger Property.

9. I am responsible for the "Resource Estimation" section of the report.

10. I am not aware of any material fact with respect to the subject matter of this report, which is not included in the report, the omission of which would make this report misleading.

11. I am not a shareholder of Renforth Resources Inc. and therefore am independent of Renforth Resources Inc. based on the tests in Section 1.5 of National Instrument 43-101.

12. I have read the NI-43-101 and Form 43-101F1 and have prepared the resource estimation report in conformity with that document and with generally accepted Canadian mining industry practices.

13. I consent to the filing of this Technical Report with any stock exchange, any other regulatory authority and any other publication by them including electronic publication or websites accessible to the public.

Dated at Toronto, Ontario, CANADA this 9th day of May, 2014.

# APENDIX A: ASSAYS

TECHNI-LAB
pyroanalyse
géochimie
environnement

**Client :**
Mister Brian Newton

Biliken Management
65 Front St. East, Suite 304
Toronto On M5E 1B5

Date of emission: 28-Feb-14
Date of reception: 19-Feb-14
Date of analysis: 25-Feb-14
Project: New Alger
Certificate #: 34110

# CERTIFICATE OF ANALYSIS

Notes :

This certificate replace all precedent version, if applicable



® These results concern only the samples submitted for analysis.

SCC Accredited LAB
LAB Accrédité CCN
LAB 707

The results for the analysis of submitted samples are verified by:

Mathieu RANCOURT, Chemist, Quebec OCQ No: 2007-109

CHIMISTE
Mathieu Rancourt
2007-109
QUÉBEC

# CERTIFICATE OF ANALYSIS

TECHNI-LAB
pyroanalyse
géochimie
environnement

To: Mister Brian Newton

Client Biliken Management
65 Front St. East, Suite 304
Toronto On M5E 1B5

Date of emission: 28-Feb-14
Date of reception: 19-Feb-14
Date of analysis: 25-Feb-14
Project: New Alger
Certificate #: 34110

| Sample # | Au ppb | Reassay Au g/t >3000 ppb |
|---|---|---|
| | AA | Gravimetric |
| *Method ID:* | *TMT-G5B* | *TMT-G5C* |
| 1409001 | 15 | |
| 1409002 | 28 | |
| 1409003 | 120 | |
| 1409004 | 13 | |
| 1409005 | 10 | |
| 1409006 | 10 | |
| 1409007 | 9 | |
| 1409008 | 10 | |
| 1409009 | 9 | |
| 1409010 | <8 | |
| 1409011 | 33 | |
| 1409012 | 300 | |
| 1409013 | 588 | |
| 1409014 | 244 | |
| 1409015 | 127 | |
| 1409016 | 375 | |
| 1409017 | 12 | |
| 1409018 | 18 | |
| 1409019 | 9 | |
| 1409020 | 390 | |
| 1409021 | 41 | |
| 1409022 | <8 | |
| 1409023 | <8 | |
| 1409024 | <8 | |
| 1409025 | <8 | |
| 1409026 | 34 | |
| 1409027 | <8 | |
| 1409028 | 21 | |
| 1409029 | 212 | |
| 1409030 | 8453 | 8.80 |
| 1409031 | 6017 | 7.15 |
| 1409032 | 17290 | 20.11 |
| 1409033 | 3192 | 3.09 |
| 1409034 | 1558 | |
| 1409035 | 2025 | |
| 1409036 | 207 | |
| 1409037 | 300 | |
| 1409038 | 48 | |
| 1409039 | 339 | |
| 1409040 | 9 | |
| 1409041 | 40 | |



184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** courriel : infoquebec@actlabs.com

# CERTIFICATE OF ANALYSIS

TECHNI-LAB
pyroanalyse
géochimie
environnement

To: Mister Brian Newton

Client Biliken Management
65 Front St. East, Suite 304
Toronto On M5E 1B5

Date of emission: 28-Feb-14
Date of reception: 19-Feb-14
Date of analysis: 25-Feb-14
Project: New Alger
Certificate #: 34110

| Sample # | Au ppb | Reassay Au g/t >3000 ppb |
|---|---|---|
| | AA | Gravimetric |
| *Method ID:* | *TMT-G5B* | *TMT-G5C* |
| 1409042 | 10 | |
| 1409043 | <8 | |
| 1409044 | <8 | |
| 1409045 | <8 | |
| 1409046 | <8 | |
| 1409047 | <8 | |
| 1409048 | 19 | |
| 1409049 | <8 | |
| 1409050 | 47 | |
| 1409101 | 74 | |
| 1409102 | 13 | |
| 1409103 | 34 | |
| 1409104 | 114 | |
| 1409105 | 82 | |
| 1409106 | 54 | |
| 1409107 | 21 | |
| 1409108 | 691 | |
| 1409109 | 1456 | |
| 1409110 | 21 | |
| 1409111 | 9 | |
| 1409112 | 15 | |
| 1409113 | 424 | |
| 1409114 | 454 | |
| 1409115 | 87 | |
| 1409116 | 12 | |
| 1409117 | 418 | |
| 1409118 | 9 | |
| 1409119 | <8 | |
| 1409120 | <8 | |
| 1409121 | 9 | |
| 1409122 | <8 | |
| 1409123 | <8 | |
| 1409124 | <8 | |
| 1409125 | <8 | |
| 1409126 | <8 | |
| 1409127 | <8 | |
| 1409128 | <8 | |
| 1409129 | 153 | |
| 1409130 | <8 | |
| 1409131 | <8 | |
| 1409132 | 11 | |



184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** courriel : infoquebec@actlabs.com

# CERTIFICATE OF ANALYSIS

TECHNI-LAB
pyroanalyse
géochimie
environnement

To: Mister Brian Newton

Client Biliken Management
65 Front St. East, Suite 304
Toronto On M5E 1B5

Date of emission: 28-Feb-14
Date of reception: 19-Feb-14
Date of analysis: 25-Feb-14
Project: New Alger
Certificate #: 34110

| Sample # | Au ppb | Reassay Au g/t >3000 ppb |
|---|---|---|
| | AA | Gravimetric |
| *Method ID:* | *TMT-G5B* | *TMT-G5C* |
| 1409133 | <8 | |
| 1409134 | <8 | |
| 1409135 | <8 | |
| 1409136 | <8 | |
| 1409137 | 36 | |
| 1409138 | 47 | |
| 1409139 | 31 | |
| 1409140 | 37 | |
| 1409141 | 581 | |
| 1409142 | 679 | |
| 1409143 | 10 | |
| 1409144 | 5199 | 5.60 |
| 1409145 | 11 | |
| 1409146 | <8 | |
| 1409147 | <8 | |
| 1409148 | 354 | |
| 1409149 | 83 | |
| 1409150 | 1168 | |
| 1409151 | 135 | |
| 1409152 | 6599 | 4.97 |
| 1409153 | 343 | |
| 1409154 | 793 | |
| 1409155 | 1059 | |
| 1409156 | 133 | |
| 1409157 | 10120 | 7.03 |
| 1409158 | 6104 | 6.25 |
| 1409159 | 1737 | |
| 1409160 | 97 | |
| 1409161 | 228 | |
| 1409162 | 416 | |
| 1409163 | 1823 | |
| 1409164 | 43630 | 39.38 |
| 1409165 | 175 | |
| 1409166 | 107 | |
| 1409167 | 9 | |
| 1409168 | <8 | |
| 1409169 | <8 | |
| 1409170 | 30 | |
| 1409171 | 15 | |
| 1409172 | 11 | |
| 1409173 | 11 | |



184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** courriel : infoquebec@actlabs.com

# CERTIFICATE OF ANALYSIS

TECHNI-LAB
pyroanalyse
géochimie
environnement

To: Mister Brian Newton

Client Biliken Management
65 Front St. East, Suite 304
Toronto On M5E 1B5

Date of emission: 28-Feb-14
Date of reception: 19-Feb-14
Date of analysis: 25-Feb-14
Project: New Alger
Certificate #: 34110

| Sample # | Au ppb | Reassay Au g/t >3000 ppb |
|---|---|---|
| | AA | Gravimetric |
| *Method ID:* | *TMT-G5B* | *TMT-G5C* |
| 1409174 | 16 | |
| 1409175 | 11 | |
| 1409176 | 42 | |
| 1409177 | 93 | |
| 1409178 | <8 | |
| 1409179 | 17 | |
| 1409180 | <8 | |
| 1409181 | 134 | |
| 1409182 | 390 | |
| 1409183 | 43 | |
| 1409184 | 1615 | |
| 1409185 | 3670 | 5.22 |
| 1409186 | 677 | |
| 1409187 | 62 | |
| 1409188 | 350 | |
| 1409189 | 2711 | |
| 1409190 | 271 | |
| 1409191 | 37 | |
| 1409192 | 23 | |
| 1409193 | 9 | |
| 1409194 | 16 | |
| 1409195 | <8 | |
| 1409196 | <8 | |
| 1409197 | <8 | |
| 1409198 | <8 | |
| 1409199 | 75 | |
| 1409200 | 209 | |
| 1409201-1409220 | 1788 | |
| 1409202 | 14 | |
| 1409203-1409221 | <8 | |
| 1409204 | 75 | |
| 1409205 | <8 | |
| 1409206 | <8 | |
| 1409207 | <8 | |
| 1409208 | <8 | |
| 1409209 | <8 | |
| 1409210 | <8 | |
| 1409211 | 10 | |
| 1409212 | <8 | |
| 1409213 | <8 | |
| 1409214 | <8 | |



184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** courriel : infoquebec@actlabs.com

# CERTIFICATE OF ANALYSIS

TECHNI-LAB
pyroanalyse
géochimie
environnement

To: Mister Brian Newton

Client Biliken Management
65 Front St. East, Suite 304
Toronto On M5E 1B5

Date of emission: 28-Feb-14
Date of reception: 19-Feb-14
Date of analysis: 25-Feb-14
Project: New Alger
Certificate #: 34110

| Sample # | Au ppb | Reassay Au g/t >3000 ppb |
|---|---|---|
| | AA | Gravimetric |
| *Method ID:* | *TMT-G5B* | *TMT-G5C* |
| 1409215 | <8 | |
| 1409216 | <8 | |
| 1409217 | 141 | |
| 1409218 | 89 | |
| 1409219 | <8 | |
| 1409401 | 60 | |
| 1409402 | <8 | |
| 1409403 | 37 | |
| 1409404 | 29 | |
| 1409405 | 11 | |
| 1409406 | <8 | |
| 1409407 | 85 | |
| 1409408 | 569 | |
| 1409409 | 32 | |
| 1409410 | <8 | |
| 1409411 | 623 | |
| 1409412 | 1077 | |
| 1409413 | 3111 | 2.24 |
| 1409414 | 1095 | |
| 1409415 | 3618 | 2.24 |
| 1409416 | 3120 | 3.07 |
| 1409417 | 219 | |
| 1409418 | 2125 | |
| 1409419 | 18 | |
| 1409420 | 97 | |
| 1409421 | 165 | |
| 1409422 | 1397 | |
| 1409423 | 178 | |
| 1409424 | 578 | |
| 1409425 | 359 | |
| 1409426 | 53 | |
| 1409427 | 23 | |
| 1409428 | 9 | |
| 1409429 | <8 | |
| 1409430 | <8 | |
| 1409431 | 12 | |
| 1409432 | <8 | |
| 1409433 | <8 | |
| 1409434 | <8 | |
| 1409435 | 400 | |
| 1409436 | 382 | |



184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** courriel : infoquebec@actlabs.com

# CERTIFICATE OF ANALYSIS

TECHNI-LAB
pyroanalyse
géochimie
environnement

To: Mister Brian Newton

Client Biliken Management
65 Front St. East, Suite 304
Toronto On M5E 1B5

Date of emission: 28-Feb-14
Date of reception: 19-Feb-14
Date of analysis: 25-Feb-14
Project: New Alger
Certificate #: 34110

| Sample # | Au ppb | Reassay Au g/t >3000 ppb |
|---|---|---|
| | AA | Gravimetric |
| *Method ID:* | *TMT-G5B* | *TMT-G5C* |
| 1409437 | 11 | |
| 1409438 | <8 | |
| 1409439 | 18 | |
| 1409440 | 9 | |
| 1409441 | 29 | |
| 1409442 | 76 | |
| 1409443 | 38 | |
| 1409444 | 22 | |
| 1409445 | 134 | |
| 1409446 | 178 | |
| 1409447 | 9 | |
| 1409448 | 145 | |
| 1409449 | 204 | |
| 1409450 | 246 | |
| 1409451 | 64 | |
| 1409452 | 90 | |
| 1409453 | <8 | |
| 1409454 | <8 | |
| 1409455 | 312 | |
| 1409456 | 38 | |
| 1409457 | 28 | |
| 1409458 | 119 | |
| 1409459 | 832 | |
| 1409460 | 373 | |
| 1409461 | 25 | |
| 1409462 | 18 | |
| 1409463 | 10 | |
| 1409464 | <8 | |
| 1409465 | 48 | |
| 1409466 | 75 | |
| 1409467 | 33 | |
| 1409468 | 17 | |
| 1409469 | 182 | |
| 1409470 | 265 | |
| 1409471 | 349 | |
| 1409472 | 516 | |
| 1409473 | 19 | |
| 1409474 | 25 | |
| 1409475 | 9 | |
| 1409476 | 9 | |
| 1409477 | <8 | |



184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** courriel : infoquebec@actlabs.com

# CERTIFICATE OF ANALYSIS

TECHNI-LAB
pyroanalyse
géochimie
environnement

To: Mister Brian Newton

Client Biliken Management
65 Front St. East, Suite 304
Toronto On M5E 1B5

Date of emission: 28-Feb-14
Date of reception: 19-Feb-14
Date of analysis: 25-Feb-14
Project: New Alger
Certificate #: 34110

| Sample # | Au ppb | Reassay Au g/t >3000 ppb |
|---|---|---|
| | AA | Gravimetric |
| *Method ID:* | *TMT-G5B* | *TMT-G5C* |
| 1409478 | 17 | |
| 1409479 | 11 | |
| 1409480 | 68 | |
| 1409481 | <8 | |
| 1409482 | 577 | |
| 1409483 | 41 | |
| 1409484 | 256 | |
| 1409485 | 249 | |
| 1409486 | 90 | |
| 1409487 | 369 | |
| 1409488 | 264 | |
| 1409489 | 65 | |
| 1409490 | 17 | |
| 1409491 | 107 | |
| 1409492 | 87 | |
| 1409493 | 181 | |
| 1409494 | 996 | |
| 1409495 | 31 | |
| 1409496 | 24 | |
| 1409497 | 23 | |
| 1409498 | 191 | |
| 1409499 | 18 | |
| 1409500 | <8 | |
| 1409006-Dup | 10 | |
| 1409030-Dup | 8641 | |
| 1409103-Dup | 43 | |
| 1409116-Dup | <8 | |
| 1409136-Dup | <8 | |
| 1409159-Dup | 1379 | |
| 1409180-Dup | <8 | |
| 1409201-1409220-Dup | 1629 | |
| 1409413-Dup | | 2.81 |
| 1409415-Dup | | 2.96 |
| 1409416-Dup | | 3.07 |
| 1409424-Dup | 454 | |
| 1409438-Dup | <8 | |
| 1409459-Dup | 951 | |
| 1409480-Dup | 71 | |
| 1409496-Dup | 28 | |
| OXD 108 | 434 | |



184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** courriel : infoquebec@actlabs.com

# CERTIFICATE OF ANALYSIS

TECHNI-LAB
pyroanalyse
géochimie
environnement

To: Mister Brian Newton

Client Biliken Management
65 Front St. East, Suite 304
Toronto On M5E 1B5

Date of emission: 28-Feb-14
Date of reception: 19-Feb-14
Date of analysis: 25-Feb-14
Project: New Alger
Certificate #: 34110

| Sample # | Au ppb | Reassay Au g/t >3000 ppb |
|---|---|---|
| | AA | Gravimetric |
| *Method ID:* | *TMT-G5B* | *TMT-G5C* |
| OXD 108 | 392 | |
| OXD 108 | 400 | |
| OXD 108 | 407 | |
| OXD 108 | 402 | |
| OXD 108 | 409 | |
| OXD 108 | 411 | |
| OXD 108 | 410 | |
| OXD 108 | 413 | |
| OXD 108 | 410 | |
| OXD 108 | 431 | |
| OXD 108 | 415 | |
| OXD 108 | 425 | |
| OXD 108 | 434 | |
| OXD 108 | 419 | |
| OXD 108 | 398 | |
| OXD 108 | 405 | |
| OXJ 95 | 2434 | |
| OXJ 95 | 2345 | |
| OXJ 95 | 2289 | |
| OXJ 95 | 2274 | |
| OXJ 95 | 2301 | |
| OXJ 95 | 2362 | |
| OXJ 95 | 2305 | |
| OXJ 95 | 2366 | |
| OXJ 95 | 2258 | |
| OXJ 95 | 2264 | |
| OXJ 95 | 2293 | |
| OXJ 95 | 2295 | |
| OXJ 95 | 2311 | |
| OXJ 95 | 2384 | |
| OXJ 95 | 2310 | |
| OXJ 95 | 2282 | |
| OXP 91 | | 15.37 |
| OXQ 90 | | 24.92 |
| OXQ 90 | | 26.35 |



184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** courriel : infoquebec@actlabs.com

TECHNI-LAB
pyroanalyse
géochimie
environnement

# CERTIFICAT D'ANALYSE - ANNEXE 1

To: Mister Brian Newton

Client: Biliken Management
65 Front St. East, Suite 304
Toronto On M5E 1B5

Date of emission: 28-Feb-14
Date of reception: 19-Feb-14
Date of analysis: 25-Feb-14
Project: New Alger
Certificate #: 34110

## CERTIFIED METHODS

| | |
|---|---|
| TMT-G5B | Au by fire assay, lead button collection , fi flame atomic absorption finish after microwave assisted Aqua Regia digestion |
| TMT-G5C | Au by fire assay, lead button collection gravimetric finish. |
| TMT-G5E | Pt, Pd by fire assay, lead button collectio - graphite furnace finish |
| TMT-G5F | Ag, Cu, Pb, Zn, Ni, Co par ICP, Aqua Regia digestion |

## NON-CERTIFIED METHODS

| | |
|---|---|
| TMT-G5G | Silver fire assay, lead button collection gravimetric finish. |
| TMT-G2 | Specific gravity |
| TMT-G5Z | Volumetric determination of zinc (for concentrates |

## SCOPE OF ACCREDITATION

| *Method* | *Element* | *Detection limit* | *Method* | *Element* | *Detection limit* |
|---|---|---|---|---|---|
| TMT-G5B | Au ppb (5 ml) | 8 | TMT-G5F | Ag ppm | 0.4 |
| TMT-G5B | Au g/t (10 ml) | 0.02 | TMT-G5F | Co ppm | 3 |
| TMT-G5C | Au gravimétrie g/t | 0.08 | TMT-G5F | Cu ppm | 1 |
| TMT-G5E | Pd ppb | 2 | TMT-G5F | Ni ppm | 2 |
| TMT-G5E | Pt ppb | 3 | TMT-G5F | Pb ppm | 4 |
| | | | TMT-G5F | Zn ppm | 1 |



SCC Accredited LAB
LAB Accrédité CCN
LAB 707



184, Principale - C.P. 208, Ste-Germaine-Boulé (Québec) J0Z 1M0 **Téléphone : 819 787-6116 • Télécopieur : 819 787-6527** courriel : infoquebec@actlabs.com

# APPENDIX B: DRILL LOGS

# Billiken Management

| | | |
|---|---|---|
| **Project:** | | New Alger Project |
| **Hole Number:** | | **REN-14-10** |
| **Units of Measurement:** | | meters |
| **Location** | **NTS Sheet:** | 32 D/1 |
| | **Township:** | Cadillac |
| | **Claim No:** | CM240-PTA |
| | **Grid:** | Local |
| | **Easting:** | |
| | **Northing:** | |
| | **Elevation:** | |
| **GPS Co-ordinates:** | **Zone:** | 17N |
| **(if applicable)** | **Datum:** | NAD83 |
| | **Easting:** | 692027 |
| | **Northing:** | 5345522 |
| **Collar Dip:** | | -60 |
| **Collar Azimuth:** | | 360 |
| **Hole Length:** | | 102m |
| **Core Size:** | | |
| **Recovery:** | | |
| **Logged By:** | | Brian Newton |
| **Date:** | **Start:** | February 10, 2014 |
| | **Finish:** | February 11, 2014 |
| **Drilled by:** | | Foramex |
| **Date:** | **Start:** | February 11, 2014 |
| | **Finish:** | February 11, 2014 |

**INCLINATION TESTS**

| DEPTH | DIP | AZIMUTH |
|---|---|---|
| 0 | 0 | -60 |
| 51 | 2.5 | -58.1 |
| 102 | 2 | -57.9 |

| Comments |
|---|

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-10 | | | PAGE: 2 of 5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| **0.00** | **6.00** | **Overburden** | | | | | | | | | |
| | | | | | | | | | | | |
| **6.00** | **16.70** | **Diorite** | | | | | | | | | |
| | | coarse grained, slight chloritization | | | | | | | | | |
| | | massive | | | | | | | | | |
| | | fine trace py in places | | | | | | | | | |
| | | blocky toward end of unit. | | | | | | | | | |
| | | bottom contact is fault gouge | | | | | | | | | |
| | | | | | | | | | | | |
| **16.70** | **17.50** | **Fault** | | | | | | | | | |
| | | blocky, sheared, fault gouge | | | | | | | | | |
| | | | | | | | | | | | |
| **17.50** | **23.30** | **Mafic Volcanics & Mafic Tuff** | 1409001 | 17.9 | 19 | 1.1 | 15 | | | | |
| | | grey green colour | 1409002 | 19 | 20 | 1 | 28 | | | | |
| | | light foliation @ 45-50 deg TCA | | | | | | | | | |
| | | minor chloritic alteration. | | | | | | | | | |
| | | occasional very narrow Q-cb stringers parallel to foliation | | | | | | | | | |
| | | occasional interbands of finely laminated tuffs | | | | | | | | | |
| | | fine py and aspy primarily in tuffs | | | | | | | | | |
| | | notably narrow QV's x-cut the foliation with associated py and aspy | | | | | | | | | |
| | | | | | | | | | | | |
| | | fine aspy and py. Aspy concentrated around a 2 cm qv at 20.5m | 1409003 | 20 | 21 | 1 | 120 | | | | |
| | | | 1409004 | 21 | 22 | 1 | 13 | | | | |
| | | | 1409005 | 22 | 23.3 | 1.3 | 10 | | | | |
| | | | | | | | | | | | |
| **23.30** | **30.70** | **Porphyry** | | | | | | | | | |
| | | coarse qtz and feldspar phenocrysts to .5 cm | | | | | | | | | |
| | | chloritic matrix with brown biotite on occasion | | | | | | | | | |
| | | fine py and small clots of py. Varying amounts of aspy in fine needles | | | | | | | | | |
| | | occasioanl boudinaged milk white and dark grey qv's | 1409006 | 23.3 | 24 | 0.7 | 10 | | | | |
| | | carbonate alteration varies from mild to locally strong | 1409007 | 24 | 25.4 | 1.4 | 9 | | | | |
| | | | 1409008 | 25.4 | 27 | 1.6 | 10 | | | | |
| | | | 1409009 | 27 | 28.1 | 1.1 | 9 | | | | |
| | | | 1409010 | 28.1 | 29.3 | 1.2 | <8 | | | | |
| | | increasingly silicifed toward lower contact. Strongly sheared. | | | | | | | | | |
| | | felds elongated parallel to foliation | 1409011 | 29.3 | 30.7 | 1.4 | 33 | | | | |
| | | lower contact strongly sheaared from 20 cm prior. Looks almost like | | | | | | | | | |
| | | a tuff with foliation parallel to QV | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

## Billiken Management

PROJECT: New Alger Gold Project | HOLE NO: REN-14-10 | PAGE: 3 of 5

| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | | |
| **30.70** | **35.20** | **Quartz Vein (Vein 1)** | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | blue grey quartz | 1409012 | 30.7 | 31.7 | 1 | 300 | | | | | |
| | | at times fine fractures at random orientations. Fine py and occasional aspy | 1409013 | 31.7 | 32.7 | 1 | 588 | | | | | |
| | | inclusions of stronglyu sheared biotite, sericite material which is contorted | 1409014 | 32.7 | 34 | 1.3 | 244 | | | | | |
| | | and heavily cross fractured, fractures often filled with aphinitic dark | | | | | | | | | | |
| | | to black cherty material. Appears in veinlets to 2 cm in width at times | | | | | | | | | | |
| | | x-cutting and parallel to foliation. | | | | | | | | | | |
| | | inclusions of tuff to 30 cm in width at times. All extremely silicified | | | | | | | | | | |
| | | with aspy and py strongest in biotite enriched tuff material. | | | | | | | | | | |
| | | | 1409015 | 34 | 35.2 | 1.2 | 127 | | | | | |
| | | note that there apear to be several parallel QV's with intercalated tuffs and | | | | | | | | | | |
| | | and porphyritic fragements towards end of vein system | | | | | | | | | | |
| | | | | | | | | | | | | |
| **35.20** | **41.60** | **Conglomerate** | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | heavily silicified | | | | | | | | | | |
| | | fractured at random orientations, fragments of porphyry and tuff? | 1409016 | 35.2 | 36.4 | 1.2 | 375 | | | | | |
| | | elongated parallel to shear at 60 deg TCA | 1409017 | 36.4 | 37.7 | 1.3 | 12 | | | | | |
| | | fragments often contain varying amounts of sulfide in the form of py and | 1409018 | 37.7 | 39 | 1.3 | 18 | | | | | |
| | | occasional clots of cpy. Rare aspy needles. | 1409019 | 39 | 40.3 | 1.3 | 9 | | | | | |
| | | matrix is fine grained, and appears to be a tuff with fine | 1409020 | 40.3 | 41.6 | 1.3 | 390 | | | | | |
| | | laminations. | | | | | | | | | | |
| | | fragments are often bleached to a creamy white colour while other | | | | | | | | | | |
| | | fragments are porphyritic. | | | | | | | | | | |
| | | | | | | | | | | | | |
| **41.60** | **47.70** | **Porphyry** | | | | | | | | | | |
| | | strongly sheared at 50 deg TCA | 1409021 | 41.6 | 42.9 | 1.3 | 41 | | | | | |
| | | heavily silicifed, with white felds phenos slightly to strongly elongated | 1409022 | 42.9 | 44 | 1.1 | <8 | | | | | 8.80 |
| | | parallel to foliation. | 1409023 | 44 | 45 | 1 | <8 | | | | | 7.15 |
| | | black matrix in between porph fragments. Occasional fine py and aspy | 1409024 | 45 | 46 | 1 | <8 | | | | | 20.11 |
| | | blebs | | | | | | | | | | 3.09 |
| | | at times appears to be porrphyry fragments wihthin a tuff? | | | | | | | | | | 1.56 |
| | | porphyry fragemnts are bleached | | | | | | | | | | 2.03 |
| | | 44.7 - 45 narrow lenses of sulfide along foliation to 20% | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | 46.7 - 47.6 heavy sulfide, py, cpy clots along foliation planes to 20% | 1409025 | 46 | 46.7 | 0.7 | <8 | | | | | |
| | | lower contact with mafics is blocky with a late stage QV to 6 cm wide | 1409026 | 46.7 | 47.6 | 0.9 | 34 | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-10 | | | PAGE: 4 of 5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| **47.70** | **59.80** | **Mafic Volcanics** | | | | | | | | | |
| | | green colour | | | | | | | | | |
| | | massive, narrow white quartz sweats throughout | 1409027 | 47.6 | 48.6 | 1 | <8 | | | | |
| | | no sulfide | | | | | | | | | |
| | | lightly foliated at 60 deg TCA at times. | | | | | | | | | |
| | | | | | | | | | | | |
| **59.80** | **61.20** | **Argillaceous Shale** | | | | | | | | | |
| | | black, aphinitic, minor graphite | | | | | | | | | |
| | | strongly foliated at 45 deg TCA | 1409028 | 59.8 | 61.2 | 1.4 | 21 | | | | |
| | | moinor graphite along foliation planes | | | | | | | | | |
| | | minor carbonate alteration along foliation planes | | | | | | | | | |
| | | very minor sulfide along foliation planes | | | | | | | | | |
| | | | | | | | | | | | |
| **61.20** | **75.40** | **Mafic Volcanics** | | | | | | | | | |
| | | SAA | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| **75.40** | **79.00** | **Diorite** | | | | | | | | | |
| | | black, med grained, massive | | | | | | | | | |
| | | occasional qtz cb fracture fills | | | | | | | | | |
| | | gradational contact with mafic flow below? May be only a thick flow | | | | | | | | | |
| | | not a diorite?? | | | | | | | | | |
| | | | | | | | | | | | |
| **79.00** | **87.00** | **Mafic Volcanics** | | | | | | | | | |
| | | SAA | 1409029 | 86 | 87 | 1 | 212 | | | | |
| | | darker grey black colour | | | | | | | | | |
| | | massive with narrow qtz/cb veinlets at random locations throughout | | | | | | | | | |
| | | sharp lower contact with tuffs at 50 deg TCA | | | | | | | | | |
| | | | | | | | | | | | |
| **87.00** | **92.00** | **QV / Tuffs (Vein 2)** | 1409030 | 87 | 88 | 1 | 8453 | 8.80 | | | |
| | | finely laminated | 1409031 | 88 | 89 | 1 | 6017 | 7.15 | | | |
| | | intense silicifcation | 1409032 | 89 | 90 | 1 | 17290 | 20.11 | | | |
| | | 2-5% fine py and aspy primarily in tuffs | 1409033 | 90 | 91 | 1 | 3192 | 3.09 | | | |
| | | fragments of tuff intercalated within the vein | 1409034 | 91 | 92 | 1 | 1558 | 1.56 | | | |
| | | **vein is extremely blocky** | | | | | | | | | |
| | | possibly hit the workings @90.2m - 91.3m | | | | | | | | | |
| | | block, lost water return missing core etc. Then back into competent | | | | | | | | | |
| | | rock | | | | | | | | | |
| | | more intense suflide in this vein | | | | | | | | | |
| | | | | | | | | | | | |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-10 | | | PAGE: 5 of 5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au gm/t | | | |
| **92.00** | **97.40** | **Tuff** | | | | | | | | | |
| | | silicifed | 1409035 | 92 | 93 | 1 | 2025 | 2.03 | | | |
| | | bleached at times to a beige colour | 1409036 | 93 | 94 | 1 | 207 | | | | |
| | | narrow dark cherty bands | 1409037 | 94 | 95 | 1 | 300 | | | | |
| | | 1-3% fine py and aspy | 1409038 | 95 | 96 | 1 | 48 | | | | |
| | | narrow Q veinlets decreasing down core | 1409039 | 96 | 97.4 | 1.4 | 339 | | | | |
| **97.40** | **102.00** | **Mafic Volcanics** | | | | | | | | | |
| | | SAA | | | | | | | | | |
| | | massive and barren with minor white quartz veining | | | | | | | | | |
| | | **EOH 102.0 m** | | | | | | | | | |

# Billiken Management

| | | |
|---|---|---|
| **Project:** | | New Alger Project |
| **Hole Number:** | | **REN-14-11** |
| **Units of Measurement:** | | meters |
| **Location** | **NTS Sheet:** | 32 D/1 |
| | **Township:** | Cadillac |
| | **Claim No:** | CM240-PTA |
| | **Grid:** | Local |
| | **Easting:** | |
| | **Northing:** | |
| | **Elevation:** | |
| **GPS Co-ordinates:** | **Zone:** | 17N |
| **(if applicable)** | **Datum:** | NAD83 |
| | **Easting:** | 691844 |
| | **Northing:** | 5345580 |
| **Collar Dip:** | | -45 |
| **Collar Azimuth:** | | 180 |
| **Hole Length:** | | 111m |
| **Core Size:** | | |
| **Recovery:** | | |
| **Logged By:** | | Brian Newton |
| **Date:** | **Start:** | February 16, 2014 |
| | **Finish:** | February 17, 2014 |
| **Drilled by:** | | Foramex |
| **Date:** | **Start:** | February 15, 2014 |
| | **Finish:** | February 16, 2014 |

**INCLINATION TESTS**

| DEPTH | DIP | AZIMUTH |
|---|---|---|
| 0 | 180 | -45 |
| 51 | 179 | -43.4 |
| 111 | 182.4 | -41.9 |

| Comments |
|---|
| |
| ***Hole drilled N to S*** |
| |
| |
| This hole is making water from the casing |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-11 | | | PAGE: 2 of 5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| **0.00** | **23.50** | **Overburden** | | | | | | | | | |
| | | | | | | | | | | | |
| **23.50** | **39.90** | **Mafic Volcanics** | | | | | | | | | |
| | | narrow dioirite dykes to .5m on two occasions at 36 and 38m | 1409121 | 39 | 39.9 | 0.9 | 9 | | | | |
| | | volcanics are massive, grey / green | | | | | | | | | |
| | | occasional Qtz - cb stringers | | | | | | | | | |
| | | milk white Qv with no sulfide at 30m | | | | | | | | | |
| | | | | | | | | | | | |
| | | lower portion of flow is coarser grained and strongly sheared with | | | | | | | | | |
| | | elevated cholorite alteration | | | | | | | | | |
| | | sharp lower contact with tuffs at 45 deg TCA | | | | | | | | | |
| | | | | | | | | | | | |
| **39.90** | **49.00** | **Mafic Tuff** | | | | | | | | | |
| | | strangely massive to finely laminatd | 1409122 | 39.9 | 40.9 | 1 | <8 | | | | |
| | | grey in colour with fractures throughout that parallel and x-cut | 1409123 | 40.9 | 41.9 | 1 | <8 | | | | |
| | | the foliation. | 1409124 | 41.9 | 42.9 | 1 | <8 | | | | |
| | | fractures are often cb infilled giving them a white appearance | 1409125 | 42.9 | 43.9 | 1 | <8 | | | | |
| | | small clots of py throughout with py infil along fracture faces. | 1409126 | 43.9 | 44.9 | 1 | <8 | | | | |
| | | seems to increase slightly down core | 1409127 | 44.9 | 45.8 | 0.9 | <8 | | | | |
| | | | 1409128 | 45.8 | 46.9 | 1.1 | <8 | | | | |
| | | 47.1 - 47.2 strongly silicicfed dyke or fine grained blue grey QV? | 1409129 | 46.9 | 48 | 1.1 | 153 | | | | |
| | | no visible texture or sulfide | | | | | | | | | |
| | | | 1409130 | 48 | 49 | 1 | <8 | | | | |
| | | | | | | | | | | | |
| **49.00** | **57.50** | **Mafic Volcanic** | | | | | | | | | |
| | | grey green | | | | | | | | | |
| | | massive | 1409131 | 49 | 50 | 1 | <8 | | | | |
| | | occasional fractrues with qtz cb infill | 1409132 | 50 | 51 | 1 | 11 | | | | |
| | | 54.8 - 56.5 strongly sheared, chloritic | 1409133 | 51 | 52 | 1 | <8 | | | | |
| | | fine disseminated sulfide - py | 1409134 | 52 | 53 | 1 | <8 | | | | |
| | | | 1409135 | 53 | 54.8 | 1.8 | <8 | | | | |
| | | | | | | | | | | | |
| **57.50** | **60.30** | **Argillaceous/ Graphitic Shale** | | | | | | | | | |
| | | black in colour, very fine grained | 1409136 | 54.8 | 56.5 | 1.7 | <8 | | | | |
| | | numerous narrow cb / albatite / qtz veinlets parallel to foliation | 1409137 | 56.5 | 57.5 | 1.0 | 36 | | | | |
| | | py infill of fractures and along bedding planes to 5% at times | | | | | | | | | |
| | | at times clots of py to 1 cm in width | | | | | | | | | |
| | | 56.9 - 57.2 mechanical breccia | | | | | | | | | |
| | | fine angular silicic fragments in the argillite matrix | | | | | | | | | |
| | | | | | | | | | | | |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-11 | | | PAGE: 3 of 5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | 1409138 | 57.5 | 58.3 | 0.8 | 47 | | | | |
| | | 58.3 - 59.4 inclusion of med grey fine grained material that is very hard | 1409139 | 58.3 | 59.4 | 0.9 | 31 | | | | |
| | | argillite is silicifed and very hard as well | 1409140 | 59.4 | 60.3 | 0.9 | 37 | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| **60.30** | **75.00** | **Tuff & Volcanics** | | | | | | | | | |
| | | med green colour, many elongated blebs of qtz or albatite within | | | | | | | | | |
| | | fine to medium grained | 1409141 | 60.3 | 61 | 0.7 | 581 | | | | |
| | | lightly foliated at times. Bedding planes are not distinct | 1409142 | 61 | 61.7 | 0.7 | 679 | | | | |
| | | chlorite along foliation planes increases down core as foliation | 1409143 | 61.7 | 63 | 1.3 | 10 | | | | |
| | | becomes more pronounced. | 1409144 | 63 | 64 | 1 | 5199 | 5.60 | | | |
| | | increasing veins of quartz and albatite down core with | 1409145 | 64 | 65 | 1 | 11 | | | | |
| | | fine dissiminated py and clots of py along foliation planes | 1409146 | 65 | 66 | 1 | <8 | | | | |
| | | 61.7 - 64.7 inclusions of argillite in narrow bands decreasing down core | | | | | | | | | |
| | | increasing sulfide down core from here | 1409147 | 66 | 67 | 1 | <8 | | | | |
| | | increasing silicifiaction - with minor po, 1-5% py and needles of aspy | 1409148 | 67 | 68 | 1 | 354 | | | | |
| | | | 1409149 | 68 | 69 | 1 | 83 | | | | |
| | | | 1409150 | 69 | 70 | 1 | 1168 | 1.17 | | | |
| | | narrow qtz albatite veinlets are often contorted and x-cut foliation | 1409151 | 70 | 71 | 1 | 135 | | | | |
| | | 71.9 bleaching diminishes but silicifiaction > | 1409152 | 71 | 71.9 | 0.9 | 6599 | 4.97 | | | |
| | | sulfide - py, aspy > | 1409153 | 71.9 | 73 | 1 | 343 | | | | |
| | | | 1409154 | 73 | 73.9 | 0.9 | 793 | | | | |
| | | | 1409155 | 73.9 | 74.6 | 0.7 | 1059 | 1.059 | | | |
| | | abrupt contact with veining | 1409156 | 74.6 | 75 | 0.4 | 133 | | | | |
| | | | | | | | | | | | |
| **75.00** | **83.40** | **Quartz vein** | | | | | | | | | |
| | | blue grey quartz with large sericitic, bleached, intensely silicifed | 1409157 | 75 | 76 | 1 | 10120 | 7.03 | | | |
| | | inclusions. 50% quartz through entire intercept | | | | | | | | | |
| | | py, po wihtin the quartz veins. | 1409158 | 76 | 77 | 1 | 6104 | 6.25 | | | |
| | | veins are well developed and at times narrow veinlets cross cut and | 1409159 | 77 | 78 | 1 | 1737 | 1.737 | | | |
| | | fracture fill the fragments | 1409160 | 78 | 79 | 1 | 97 | | | | |
| | | fragments are strongly sulfidized with clots of py, po and diss aspy | | | | | | | | | |
| | | throughtout. | 1409161 | 79 | 80 | 1 | 228 | | | | |
| | | appears to be some cb alteration and collection along fractures as well | 1409162 | 80 | 81 | 1 | 416 | | | | |
| | | **82.4 many small clots of VG near contact between vein and wallrock** | | | | | | | | | |
| | | **crosses rigth through core to other side.** | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-11 | | | PAGE: 4 of 5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| | | 81-83 large clots of py along foliation planes | 1409163 | 81 | 82 | 1 | 1823 | 1.82 | | | |
| | | brecciated at times and storngly silicified | | | | | | | | | |
| | | 5-7% fine aspy | | | | | | | | | |
| | | **82.4 many small clots of vg as per above** | 1409164 | 82 | 83 | 1 | 43630 | 39.38 | | | |
| | | | 1409165 | 83 | 83.4 | 0.4 | 175 | | | | |
| **83.40** | **99.00** | **Porphyry** | | | | | | | | | |
| | | massive, grey in colour | 1409166 | 83.4 | 84.4 | 1 | 107 | | | | |
| | | foliation overprint elongates the feldspar phonecrysts parallel | 1409167 | 84.4 | 85.4 | 1 | 9 | | | | |
| | | to foliation | 1409168 | 85.4 | 86 | 0.6 | <8 | | | | |
| | | intensely silicifed, bleached | 1401969 | 86 | 87 | 1 | <8 | | | | |
| | | quartz veins and fracture fills throughout | | | | | | | | | |
| | | py, po disseminations and clots throughout the unit. | | | | | | | | | |
| | | rare fine aspy. | | | | | | | | | |
| | | down core, remains intensely silicifed, lightly foliated with | | | | | | | | | |
| | | feldspar phenos stretched parallel to foliation. | | | | | | | | | |
| | | occasional veining and qtz fracture fills throughout. | | | | | | | | | |
| | | 87.6 large clot of massive py within a narrow QV that transects core | 1401970 | 87 | 88 | 1 | 30 | | | | |
| | | | 1401971 | 88 | 89 | 1 | 15 | | | | |
| | | | 1409172 | 89 | 90 | 1 | 11 | | | | |
| | | | 1409173 | 90 | 91 | 1 | 11 | | | | |
| | | | 1409174 | 91 | 92 | 1 | 16 | | | | |
| | | | 1409175 | 92 | 93 | 1 | 11 | | | | |
| | | | 1409176 | 93 | 94 | 1 | 42 | | | | |
| | | | 1409177 | 94 | 95 | 1 | 93 | | | | |
| | | | 1409178 | 95 | 96 | 1 | <8 | | | | |
| | | | 1409179 | 96 | 97 | 1 | 17 | | | | |
| | | | 1409180 | 97 | 98 | 1 | <8 | | | | |
| | | | 1409181 | 98 | 99 | 1 | 134 | | | | |
| **99.00** | **102.20** | **Mafic Volcanics** | | | | | | | | | |
| | | dark green, SAA | 1409182 | 99 | 100 | 1 | 390 | | | | |
| | | | 1401983 | 100 | 101 | 1 | 43 | | | | |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-11 | | | | PAGE: 5 of 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ANALYTICAL RESULTS | | | | | | | | |
| FROM | TO | DESCRIPTION | SAMPLE | FROM | TO | LENGTH | Mag % | Py % | Arseno % | Au ppm | As ppm |
| **102.00** | **111.00** | **Conglomerate** | | | | | | | | | |
| | | strongly silicified | | | | | | | | | |
| | | foliated with volcanic and bleached porphyry fragments throughout all | | | | | | | | | |
| | | elongated parallel to foliation. | | | | | | | | | |
| | | porphyry fragments have angualr quartz and feldspar phenos. Often bleached to | | | | | | | | | |
| | | a beige colour. | | | | | | | | | |
| | | unit is often fractured and healed with qtz carbonate. | | | | | | | | | |
| | | | | | | | | | | | |
| | | **EOH 111.0m** | | | | | | | | | |

# Billiken Management

| | | |
|---|---|---|
| **Project:** | | New Alger Project |
| **Hole Number:** | | **REN-14-12** |
| **Units of Measurement:** | | meters |
| **Location** | **NTS Sheet:** | 32 D/1 |
| | **Township:** | Cadillac |
| | **Claim No:** | CM240-PTA |
| | **Grid:** | Local |
| | **Easting:** | |
| | **Northing:** | |
| | **Elevation:** | |
| **GPS Co-ordinates:** | **Zone:** | 17N |
| **(if applicable)** | **Datum:** | NAD83 |
| | **Easting:** | 691798 |
| | **Northing:** | 5345511 |
| **Collar Dip:** | | -45 |
| **Collar Azimuth:** | | 360 |
| **Hole Length:** | | 105m |
| **Core Size:** | | |
| **Recovery:** | | |
| **Logged By:** | | Brian Newton |
| **Date:** | **Start:** | February 12, 2014 |
| | **Finish:** | February 13, 2014 |
| **Drilled by:** | | Foramex |
| **Date:** | **Start:** | February 12, 2014 |
| | **Finish:** | February 13, 2014 |

**INCLINATION TESTS**

| DEPTH | DIP | AZIMUTH |
|---|---|---|
| 0 | 0 | -45 |
| 51 | 5.1 | -43.9 |
| 105 | 4.3 | -44.4 |

| Comments |
|---|

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-12 | | | PAGE: 2 of 4 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| **0.00** | **9.00** | **Overburden** | | | | | | | | | |
| | | | | | | | | | | | |
| **9.00** | **29.40** | **Mafic Volcanics** | | | | | | | | | |
| | | | | | | | | | | | |
| | | Green / grey colour, fine grained | 1409040 | 10 | 11 | 1 | 9 | | | | |
| | | narrow qtz cb stringers throughout at varying orientations | 1409041 | 11 | 12 | 1 | 40 | | | | |
| | | strongly fractured and blocky core. | 1409042 | 12 | 13 | 1 | 10 | | | | |
| | | 9-14m is somewhat silicified with one narrow balck cherty vein | | | | | | | | | |
| | | this could be the final part of vein 2? | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | 22.4 - 27 heavily fractured mafic volcanics | 1409043 | 22.4 | 23.4 | 1 | <8 | | | | |
| | | qtz - cb veinlets and stringers with occasional fine py | 1409044 | 23.4 | 24.6 | 1.2 | <8 | | | | |
| | | there are several narrow blue grey qtz / chert stringers parrallel to | 1409045 | 24.6 | 25.8 | 1.2 | <8 | | | | |
| | | foliation in the upper portion as well which may be remnants of the | 1409046 | 25.8 | 27 | 1.2 | <8 | | | | |
| | | vein? | 1409047 | 27 | 28 | 1 | <8 | | | | |
| | | | 1409048 | 28 | 29 | 1 | 19 | | | | |
| | | small sample to isolate material just before arg graphite | 1409049 | 29 | 29.4 | 0.4 | <8 | | | | |
| | | | | | | | | | | | |
| **29.40** | **31.70** | **Argillaceous / Grpahitic Shale** | | | | | | | | | |
| | | black, very fine grained | 1409050 | 29.4 | 30.4 | 1 | 47 | | | | |
| | | strongly graphitic | 1409451 | 30.4 | 31.7 | 1.3 | 64 | | | | |
| | | qtz / cherty layers along foliation planes at times. | | | | | | | | | |
| | | fine to clotty py along planes | | | | | | | | | |
| | | very blocky to lower contact | | | | | | | | | |
| | | more competent sections withign the shale unit towards end | | | | | | | | | |
| | | fine disseminated py and possible aspy throughout more silicifed | | | | | | | | | |
| | | parts | | | | | | | | | |
| | | | | | | | | | | | |
| **31.70** | **33.70** | **Intermediate Tuff** | | | | | | | | | |
| | | | | | | | | | | | |
| | | 32.7 coarser grained tuff? May be the more conpetent rock within | 1409452 | 31.7 | 32.7 | 1 | 90 | | | | |
| | | the shale? Narrow shale bands within tuff after lower contact | 1409453 | 32.70 | 34.20 | 1.50 | <8 | | | | |
| | | finely laminated at times at 50 deg TCA | | | | | | | | | |
| | | fine py at times not consistently | | | | | | | | | |
| | | | | | | | | | | | |
| **33.70** | **34.20** | **Argillaceous / Graphitic Shale** | | | | | | | | | |
| | | SAA, sig lost core | 1409454 | 34.20 | 36.30 | 2.10 | <8 | | | | |
| | | mechanical breccia at upper contact | | | | | | | | | |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-12 | | | PAGE: 3 of 4 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| **34.20** | **36.30** | **Intermediate Tuff** | | | | | | | | | |
| | | light grey in colour | | | | | | | | | |
| | | finely laminated at 60 deg TCA | | | | | | | | | |
| | | fine silicified bands as units seperated by slightly more chloritic laminae | | | | | | | | | |
| | | very blocky with poor recovery as you proceed through unit | | | | | | | | | |
| | | | | | | | | | | | |
| | | tuff is blocky and poor core recovery. | | | | | | | | | |
| | | 1.1 m sample represents about .5 in core box | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| **36.30** | **55.50** | **Tuff and Blue Grey QV (Vein 3??)** | | | | | | | | | |
| | | | | | | | | | | | |
| | | sharply contacted with IT above. | 1409455 | 36.3 | 37.5 | 1.2 | 312 | | | | |
| | | blocky, poor core recovery | 1409456 | 37.5 | 38.5 | 1 | 38 | | | | |
| | | bands of tuff with narrow white and Blue grey QV's throughout | 1409457 | 38.5 | 39.5 | 1 | 28 | | | | |
| | | occasional larger veins to 2 cm of blue grey Qtz | 1409458 | 39.5 | 42 | 1.5 | 119 | | | | |
| | | fine sulfide in tuff and in vein fractures | 1409459 | 42 | 42.8 | 0.8 | 832 | | | | |
| | | 39m - 5 cm b grey qv | 1409460 | 42.8 | 43.8 | 1 | 373 | | | | |
| | | 39.3 - 1 cm b grey qv | | | | | | | | | |
| | | 39.3-42 narrow white and b grey Qv parrallel to and x-cutting core axis | 1409461 | 43.8 | 45 | 1.2 | 25 | | | | |
| | | 42.3-42.5 blue grey qv | 1409462 | 45 | 46 | 1 | 18 | | | | |
| | | 42.5-46 narrow to 1 cm b grey qv's primarily parallel to core axis but | 1409463 | 46 | 47 | 1 | 10 | | | | |
| | | also x-cutting | 1409464 | 47 | 47.6 | 0.6 | <8 | | | | |
| | | | 1409465 | 47.6 | 48.6 | 1 | 48 | | | | |
| | | some intercalated mafic volcanics down core. Not clear | 1409466 | 48.6 | 49.6 | 1 | 75 | | | | |
| | | silicifed to lower contact. | 1409467 | 49.6 | 50.6 | 1 | 33 | | | | |
| | | lower contact with Talc Chlorite schist marked by sharp transition | 1409468 | 50.6 | 51.5 | 0.9 | 17 | | | | |
| | | | 1409469 | 51.5 | 52.5 | 1 | 182 | | | | |
| | | | 1409470 | 52.5 | 53.5 | 1 | 265 | | | | |
| | | | 1409471 | 53.5 | 54.5 | 1 | 349 | | | | |
| **55.50** | **56.70** | **Talc Chlorite Schist** | 1409472 | 54.5 | 55.5 | 1 | 516 | | | | |
| | | 55.6-56.7 ground core | | | | | | | | | |
| **56.70** | **64.70** | **Mafic Tuff** | 1409473 | 56.7 | 58 | 1.3 | 19 | | | | |
| | | chloritic, very | 1409474 | 58 | 59 | 1 | 25 | | | | |
| | | dark green grey colour | 1409475 | 59 | 60 | 1 | 9 | | | | |
| | | finely laminated with slightly more silicifed layers ineterspersed. | 1409476 | 60 | 61 | 1 | 9 | | | | |
| | | sharp lower contact | 1409477 | 61 | 62 | 1 | <8 | | | | |
| | | minor fine py | 1409478 | 62 | 63 | 1 | 17 | | | | |
| | | | 1409479 | 63 | 64.2 | 1.2 | 11 | | | | |
| | | | | | | | | | | | |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-12 | | | PAGE: 4 of 4 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| **64.70** | **97.00** | **Talc Chlorite schist** | | | | | | | | | |
| | | soft, strongly choritic and foliated | 1409480 | 64.2 | 64.7 | 0.5 | 68 | | | | |
| | | at times crenulated | | | | | | | | | |
| | | massive to light contorted carbonate veins throughout | | | | | | | | | |
| | | | | | | | | | | | |
| | | 64.7 - 65.7 blue grey cherty quartz nodules | 1409481 | 64.7 | 65.7 | 1 | <8 | | | | |
| | | following this no quartz and strongly chloritic | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| **97.50** | **105.00** | **Mafic Volcanics** | | | | | | | | | |
| | | | | | | | | | | | |
| | | **EOH 105m** | | | | | | | | | |

# Billiken Management

| | | |
|---|---|---|
| **Project:** | | New Alger Project |
| **Hole Number:** | | **REN-14-13** |
| **Units of Measurement:** | | meters |
| **Location** | **NTS Sheet:** | 32 D/1 |
| | **Township:** | Cadillac |
| | **Claim No:** | CM240-PTA |
| | **Grid:** | Local |
| | **Easting:** | |
| | **Northing:** | |
| | **Elevation:** | |
| **GPS Co-ordinates:** | **Zone:** | 17N |
| **(if applicable)** | **Datum:** | NAD83 |
| | **Easting:** | 691687 |
| | **Northing:** | 5345504 |
| **Collar Dip:** | | -45 |
| **Collar Azimuth:** | | 360 |
| **Hole Length:** | | 114m |
| **Core Size:** | | |
| **Recovery:** | | |
| **Logged By:** | | Brian Newton |
| **Date:** | **Start:** | February 13, 2014 |
| | **Finish:** | February 14, 2014 |
| **Drilled by:** | | Foramex |
| **Date:** | **Start:** | February 14, 2014 |
| | **Finish:** | February 15, 2014 |

**INCLINATION TESTS**

| DEPTH | DIP | AZIMUTH |
|---|---|---|
| 0 | 0 | -45 |
| 51 | 4.7 | -46.3 |
| 114 | 3 | -46 |

| Comments |
|---|

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-13 | | | PAGE: 2 of 5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| **0.00** | **9.70** | **Overburden** | | | | | | | | | |
| | | | | | | | | | | | |
| **9.70** | **16.60** | **Diorite** | 1409482 | 9.70 | 11.00 | 1.30 | 577 | | | | |
| | | Massive to very lightly foliated at 50 deg TCA | | | | | | | | | |
| | | grey colour, med grained | | | | | | | | | |
| | | numerous blue grey quartz veins 1 cm or less mostly at top of unit | | | | | | | | | |
| | | | | | | | | | | | |
| | | 11-11.8 black in colour, argillaceous, very fine grained | 1409483 | 11 | 11.8 | 0.8 | 41 | | | | |
| | | strongly foliated with 5-10% py along foliations and within narrow | | | | | | | | | |
| | | quartz veins thourghout this small unit | | | | | | | | | |
| | | | 1409484 | 11.8 | 12.8 | 1 | 256 | | | | |
| | | diorite with narrow rare qv's | 1409485 | 12.8 | 14 | 1.2 | 249 | | | | |
| | | silicifed, light grey colour | 1409486 | 14 | 15 | 1 | 90 | | | | |
| | | fine disseminated py and aspy | 1409487 | 15 | 16 | 1 | 369 | | | | |
| | | | 1409488 | 16 | 16.6 | 0.6 | 264 | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| **16.60** | **24.20** | **Tuff** | | | | | | | | | |
| | | Fine grained with occasional medium grained layers | 1409489 | 16.6 | 17.6 | 1 | 65 | | | | |
| | | occasional narrow grey to white Qv's | 1409490 | 17.6 | 18.6 | 1 | 17 | | | | |
| | | fracture faces often with fne py smeared along them | 1409491 | 18.6 | 19.6 | 1 | 107 | | | | |
| | | light grey to dark grey in colour | 1409492 | 19.6 | 20.6 | 1 | 87 | | | | |
| | | lower contact is 3 cm in width with a milk white QV | 1409493 | 20.6 | 21.6 | 1 | 181 | | | | |
| | | surrounded by fine grained black graphitic material | 1409494 | 21.6 | 22.6 | 1 | 996 | | | | |
| | | minor fine grained sulfide throughout | 1409495 | 22.6 | 24.2 | 1.6 | 31 | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| **24.20** | **44.40** | **Mafic Volcanics** | | | | | | | | | |
| | | grey massive | | | | | | | | | |
| | | contorted qtz-cb veinlets throughout | | | | | | | | | |
| | | 24.2-25 black in colour | 1409496 | 24.2 | 25 | 0.8 | 24 | | | | |
| | | fine grained, contorted qtz-cb veinlets, occasional strong | | | | | | | | | |
| | | silicification and very fine grained. Minor py disseminated | | | | | | | | | |
| | | throughout | | | | | | | | | |
| | | | 1409497 | 25.00 | 26.00 | 1.00 | 23 | | | | |
| | | | 1409498 | 43.50 | 44.40 | 0.90 | 191 | | | | |
| | | 25 - 35 strongly carbonatized, occasional py cube in narrow qv | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-13 | | | PAGE: 3 of 5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| **44.40** | **48.60** | **Mafic Volcanics** | | | | | | | | | |
| | | dark green and masssive mafics. Increasing graphite / arg layers | 1409499 | 44.4 | 45.4 | 1 | 18 | | | | |
| | | down core.possible sericitic alteration in volvanics | 1409500 | 45.4 | 46.4 | 1 | <8 | | | | |
| | | argillite layers often contain narrow boudinaged blue grey qtz | | | | | | | | | |
| | | pyrite primarily within the argillaceous layers within and around qtz | 1409401 | 46.4 | 47.8 | 1.4 | 60 | | | | |
| | | as well | | | | | | | | | |
| | | becoming strongly fractured with py as fracture fills at varying orientations | | | | | | | | | |
| | | down core.possible sericitic alteration in volvanics | | | | | | | | | |
| | | occasional massive units to 1 m within the arg / graph units | | | | | | | | | |
| | | core is blocky with significant ground core at times | | | | | | | | | |
| | | 47.8-48.6 massive inclusion. May be diorite? Light grey | 1409402 | 47.8 | 48.6 | 0.8 | <8 | | | | |
| | | massive not fractured. Clearly more resilient rock with grpahitic shale | | | | | | | | | |
| | | around it. | | | | | | | | | |
| **48.60** | **52.60** | **Argillaceous / graphitic Shale** | | | | | | | | | |
| | | black colour, very fine grained | | | | | | | | | |
| | | strongly graphitic | 1409403 | 48.6 | 49.4 | 0.8 | 37 | | | | |
| | | regularly fractured with cb infill. Strong py clots along fractures at | | | | | | | | | |
| | | times. | 1409404 | 49.4 | 50.2 | 0.8 | 29 | | | | |
| | | often ground into fault gouge | 1409405 | 50.2 | 50.8 | 0.6 | 11 | | | | |
| | | 50.8- 51.6 massive dioritic inclusion | 1409406 | 50.8 | 51.6 | 0.8 | <8 | | | | |
| **52.60** | **59.20** | **Tuff** | 1409407 | 51.6 | 52.6 | 1 | 85 | | | | |
| | | sericitic and siilicified above QV | | | | | | | | | |
| | | 53.1- 53.4 Blue grey QV, 1%fine py, aspy | 1409408 | 52.6 | 53.7 | 1.1 | 569 | | | | |
| | | 53.6 - 53.7 narrow QV | | | | | | | | | |
| | | massive to lightly laminated | 1409409 | 53.7 | 54.7 | 1 | 32 | | | | |
| | | several narrow 1cm blue grey QV's with fine py and aspy | 1409410 | 54.7 | 55.7 | 1 | <8 | | | | |
| | | increasing down core | 1409411 | 55.7 | 56.4 | 0.7 | 623 | | | | |
| | | abrupt lower contact with QV | 1409412 | 56.4 | 57.7 | 1.3 | 1077 | 1.08 | | | |
| | | several QV's blue grey seperated by sericitic tuff | | | | | | | | | |
| | | 57.7 - 58.3 Blue grey QV | 1409413 | 57.7 | 58.3 | 0.6 | 3111 | 2.24 | | | |
| | | 58.3 - 59.2 sericitic tuff with several very narrow Qv's | 1409414 | 58.3 | 59.2 | 0.9 | 1095 | 1.10 | | | |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-13 | | | PAGE: 4 of 5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| **59.20** | **61.10** | **Quartz Vein** | | | | | | | | | |
| | | 59.2 - 61.1 Blue grey QV, strongly fractured, fine to clotty py | 1409415 | 59.2 | 60 | 0.8 | 3618 | 2.24 | | | |
| | | throughout, with occasional fine aspy | 1409416 | 60 | 61.1 | 1.1 | 3120 | 3.07 | | | |
| | | small serictic inclusions | | | | | | | | | |
| | | very blocky | | | | | | | | | |
| | | | | | | | | | | | |
| **61.10** | **67.40** | **Mafic Volcancis** | | | | | | | | | |
| | | sharp contact with QV above | 1409417 | 61.1 | 62.2 | 1.1 | 219 | 0.219 | | | |
| | | grey grreen colour | | | | | | | | | |
| | | massive to finely laminated where narrow tuffs are layered into | | | | | | | | | |
| | | the sequence | | | | | | | | | |
| | | very blocky and some ground core | | | | | | | | | |
| | | note: 61.9 - 62 b grey QV | | | | | | | | | |
| | | several 1cm QV's spread out down the rest of this unit | 1409418 | 62.2 | 63.4 | 1.2 | 2125 | 2.125 | | | |
| | | fine py and aspy in sections | 1409419 | 63.4 | 64.4 | 1 | 18 | | | | |
| | | | 1409420 | 64.4 | 65 | 0.6 | 97 | | | | |
| | | | 1409421 | 65 | 65.7 | 0.7 | 165 | | | | |
| | | 66.1-66.3 two blue grey Qv's | 1409422 | 65.7 | 66.3 | 0.6 | 1397 | | | | |
| | | sulfide in small py clots, possible cpy as well | 1409423 | 66.3 | 67.4 | 1.1 | 178 | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| **67.40** | **68.80** | **Quatz Vein (#3)** | | | | | | | | | |
| | | | | | | | | | | | |
| | | blue grey colour | 1409424 | 67.4 | 68.2 | 0.8 | 578 | | | | |
| | | strongly fractured | 1409425 | 68.2 | 68.8 | 0.6 | 359 | | | | |
| | | clots of py, cpy | | | | | | | | | |
| | | occasional fine aspy in sericitic inclusions within and around the vein | | | | | | | | | |
| | | **small speck of vg @ 67.5m** | | | | | | | | | |
| | | | | | | | | | | | |
| **68.80** | **74.30** | **Mafic Volcanics** | | | | | | | | | |
| | | dark grey to black, fine grained | 1409426 | 68.8 | 70 | 1.2 | 53 | | | | |
| | | fractured with narrow qtz cb infills along fractures | | | | | | | | | |
| | | occasional fine laminations - likely narrow tuff horizon | | | | | | | | | |
| | | | | | | | | | | | |
| | | 70 - 72 strongly sheared, with narrow grey to blue grey Qv's | 1409427 | 70 | 71 | 1 | 23 | | | | |
| | | along foliations. 40% quartz in this section | 1409428 | 71 | 72 | 1 | 9 | | | | |
| | | Qv's boudinaged - pinching and swelling along foliation plane | 1409429 | 72 | 73.1 | 1.1 | <8 | | | | |
| | | py in small clots within the chloritic matrix and QV's | 1409430 | 73.1 | 74.3 | 1.2 | <8 | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-10-04 | | | PAGE: 5 of 5 |
|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | |
| **74.30** | **114.00** | **Talc Chlorite Schist** | | | | | | | | |
| | | dark grey / green colour | | | | | | | | |
| | | contorted foliation at times with contorted white, carbonate veinlets | 1409431 | 74.3 | 75.4 | 1.1 | 12 | | | |
| | | strongly chloritic | | | | | | | | |
| | | very soft, good core recovery. | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | **EOH 114m** | | | | | | | | |

# Billiken Management

| | | |
|---|---|---|
| **Project:** | | New Alger Project |
| **Hole Number:** | | **REN-14-14** |
| **Units of Measurement:** | | meters |
| **Location** | **NTS Sheet:** | 32 D/1 |
| | **Township:** | Cadillac |
| | **Claim No:** | CM240-PTA |
| | **Grid:** | Local |
| | **Easting:** | |
| | **Northing:** | |
| | **Elevation:** | |
| **GPS Co-ordinates:** | **Zone:** | 17N |
| **(if applicable)** | **Datum:** | NAD83 |
| | **Easting:** | 691642 |
| | **Northing:** | 5345504 |
| **Collar Dip:** | | -45 |
| **Collar Azimuth:** | | 360 |
| **Hole Length:** | | 105m |
| **Core Size:** | | |
| **Recovery:** | | |
| **Logged By:** | | Brian Newton |
| **Date:** | **Start:** | February 13, 2014 |
| | **Finish:** | February 14, 2014 |
| **Drilled by:** | | Foramex |
| **Date:** | **Start:** | February 15, 2014 |
| | **Finish:** | February 15, 2014 |

**INCLINATION TESTS**

| DEPTH | DIP | AZIMUTH |
|---|---|---|
| 0 | 0 | -45 |
| 51 | 2.8 | -45.2 |
| 105 | 4.2 | -46.2 |

| Comments |
|---|

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-14 | | | PAGE: 2 of 3 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| **0.00** | **7.00** | **Overburden** | | | | | | | | | |
| | | | | | | | | | | | |
| **7.00** | **25.70** | **Mafic Volcanics** | | | | | | | | | |
| | | grey / green colour | | | | | | | | | |
| | | massive | | | | | | | | | |
| | | occasional narrow tuff horizons | | | | | | | | | |
| | | | | | | | | | | | |
| **25.70** | **29.30** | **Mafic Tuff** | | | | | | | | | |
| | | grey colour | | | | | | | | | |
| | | finely banded | 1409432 | 25.7 | 26.7 | 1 | <8 | | | | |
| | | foliation @ 50 deg TCA | 1409433 | 26.7 | 27.7 | 1 | <8 | | | | |
| | | narrow lightly silicifed and sericitzed bands throughout. | 1409434 | 27.7 | 28.6 | 0.9 | <8 | | | | |
| | | not visibly mineralized | | | | | | | | | |
| | | | | | | | | | | | |
| | | 28.6 - 29.3 Porphyry | 1409435 | 28.6 | 29.3 | 0.7 | 400 | | | | |
| | | felds phenos, slightyly elongated parallel to foliation | | | | | | | | | |
| | | sharp upper and lower contacts | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| **29.30** | **52.60** | **Mafic Volcanics** | | | | | | | | | |
| | | | | | | | | | | | |
| | | SAA | | | | | | | | | |
| | | 32.3 - 32.5 Blue grey QV | 1409436 | 32.3 | 33.3 | 1 | 382 | | | | |
| | | mafics are carbonatized | | | | | | | | | |
| | | slight increase in shearing and silicification down hole | 1409437 | 33.3 | 34.3 | 1 | 11 | | | | |
| | | | 1409438 | 34.3 | 35.3 | 1 | <8 | | | | |
| | | | 1409439 | 35.3 | 36.3 | 1 | 18 | | | | |
| | | narrow blue grey QV's to 6 cm wide with minor py | 1409440 | 36.3 | 37 | 0.7 | 9 | | | | |
| | | | 1409441 | 51.6 | 52.6 | 1 | 29 | | | | |
| | | | | | | | | | | | |
| **52.60** | **56.50** | **Argillaceous Graphitic Shale** | | | | | | | | | |
| | | | | | | | | | | | |
| | | balck in colour, very fine grained | 1409442 | 52.6 | 53.8 | 1.2 | 76 | | | | |
| | | graphite conent increases down core | | | | | | | | | |
| | | blocky, sheared and fractured with py clots on foliation planes | | | | | | | | | |
| | | and as infill of cross fractures | | | | | | | | | |
| | | 53.8 - 54.4 porphyry | 1409443 | 53.80 | 54.40 | 0.60 | 38 | | | | |
| | | lower contact is very sharp with intermediate tuff | 1409444 | 54.40 | 55.30 | 0.80 | 22 | | | | |
| | | | 1409445 | 55.30 | 56.50 | 1.20 | 134 | | | | |
| | | | | | | | | | | | |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-13 | | | PAGE: 3 of 3 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| **56.50** | **77.90** | **Intermediate Tuff / Volcanics** | | | | | | | | | |
| | | strongly banded, minor chlorite blebs throughout | 1409446 | 56.5 | 57.7 | 1.2 | 178 | | | | |
| | | not visibly mineralized | 1409447 | 57.7 | 58.6 | 0.9 | 9 | | | | |
| | | competent, with a few narrow white QV's parallel to and x-cutting | | | | | | | | | |
| | | foliation | | | | | | | | | |
| | | 58.6 - 59.2 blue grey apalite x-cutting foliation. 2-5% py | 1409448 | 58.6 | 59.2 | 0.6 | 145 | | | | |
| | | 59.2 - 59.9 black, fine grained, graphitic argillite | 1409449 | 59.2 | 59.9 | 0.7 | 204 | | | | |
| | | | 1409450 | 59.9 | 60.9 | 1 | 246 | | | | |
| | | | | | | | | | | | |
| | | 60.9 - alternating tuffs and volcancis | 1409101 | 60.9 | 61.8 | 0.9 | 74 | | | | |
| | | | 1409102 | 61.8 | 62.8 | 1 | 13 | | | | |
| | | | 1409103 | 62.8 | 63.8 | 1 | 34 | | | | |
| | | | 1409104 | 63.8 | 64.8 | 1 | 114 | | | | |
| | | | 1409105 | 64.8 | 65.7 | 0.9 | 82 | | | | |
| | | | 1409106 | 65.7 | 66.7 | 1 | 54 | | | | |
| | | | 1409107 | 66.7 | 67.7 | 1 | 21 | | | | |
| | | | 1409108 | 67.7 | 68.6 | 0.9 | 691 | | | | |
| | | | | | | | | | | | |
| | | 68.6 - 69.5 several 3 - 4 cm b grey qv's, fine py within veins and in | 1409109 | 68.6 | 69.5 | 0.9 | 1456 | 1.456 | | | |
| | | host rock | | | | | | | | | |
| | | veins are parallel to and x-cutting foliation. In one case the vein is | 1409110 | 69.5 | 70.5 | 1 | 21 | | | | |
| | | tightly folded | 1409111 | 70.5 | 71.7 | 1.2 | 9 | | | | |
| | | Zone?? | 1409112 | 71.7 | 72.6 | ..9 | 15 | | | | |
| | | 72.6 - increasingly silicified with narrow qtz and blue grey quartz veinlets | 1409113 | 72.6 | 73.4 | 0.8 | 424 | | | | |
| | | parallel to and x-cutting general foliation. Wallrock and veinlets carry | | | | | | | | | |
| | | fine and clotty pyrite. | 1409114 | 73.4 | 74.4 | 1 | 454 | | | | |
| | | | 1409115 | 74.4 | 75.1 | 0.7 | 87 | | | | |
| | | mostly concentrated in the veins. | | | | | | | | | |
| | | | 1409116 | 75.1 | 76 | 0.9 | 12 | | | | |
| | | 75.1 - 77.3 strongly chloritic, sheared, white and grey QV's with minor | 1409117 | 76 | 76.8 | 0.8 | 418 | | | | |
| | | sulfide increasing down core. | 1409118 | 76.8 | 77.3 | 0.7 | 9 | | | | |
| | | sharp lower contact | 1409119 | 77.3 | 77.9 | 0.6 | <8 | | | | |
| | | | | | | | | | | | |
| **77.90** | **105.00** | **Talc Chlorite Schist** | | | | | | | | | |
| | | soft, grey green colour | | | | | | | | | |
| | | strongly chlortic, strongly sheared | 1409120 | 77.9 | 78.9 | 1 | <8 | | | | |
| | | foliaiton is non existent to contorted | | | | | | | | | |
| | | occasional fault gouge, no obvious faults beyond narrow gouge | | | | | | | | | |
| | | 88.7 - 89 strongly faulted. All clay fault gouge | | | | | | | | | |
| | | **EOH 105 m** | | | | | | | | | |

# Billiken Management

| | | |
|---|---|---|
| **Project:** | | New Alger Project |
| **Hole Number:** | | **REN-14-15** |
| **Units of Measurement:** | | meters |
| **Location** | **NTS Sheet:** | 32 D/1 |
| | **Township:** | Cadillac |
| | **Claim No:** | CM240-PTA |
| | **Grid:** | Local |
| | **Easting:** | |
| | **Northing:** | |
| | **Elevation:** | |
| **GPS Co-ordinates:** | **Zone:** | 17N |
| **(if applicable)** | **Datum:** | NAD83 |
| | **Easting:** | 692027 |
| | **Northing:** | 5345522 |
| **Collar Dip:** | | -45 |
| **Collar Azimuth:** | | 180 |
| **Hole Length:** | | 65m |
| **Core Size:** | | |
| **Recovery:** | | |
| **Logged By:** | | Brian Newton |
| **Date:** | **Start:** | February 17, 2014 |
| | **Finish:** | February 17, 2014 |
| **Drilled by:** | | Foramex |
| **Date:** | **Start:** | February 16, 2014 |
| | **Finish:** | February 16, 2014 |

**INCLINATION TESTS**

| DEPTH | DIP | AZIMUTH |
|---|---|---|
| 0 | 180 | -45 |
| 64 | 182.1 | -43.8 |

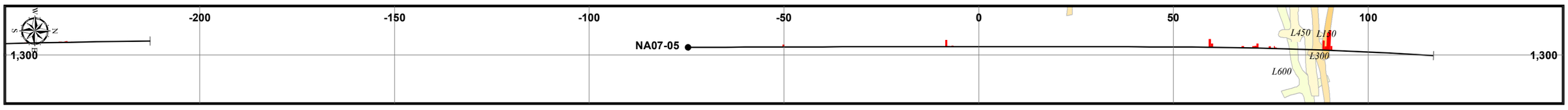
| Comments |
|---|
| |
| *** this hole was drilled N to S***** |
| |
| This hole is making water from the casing |

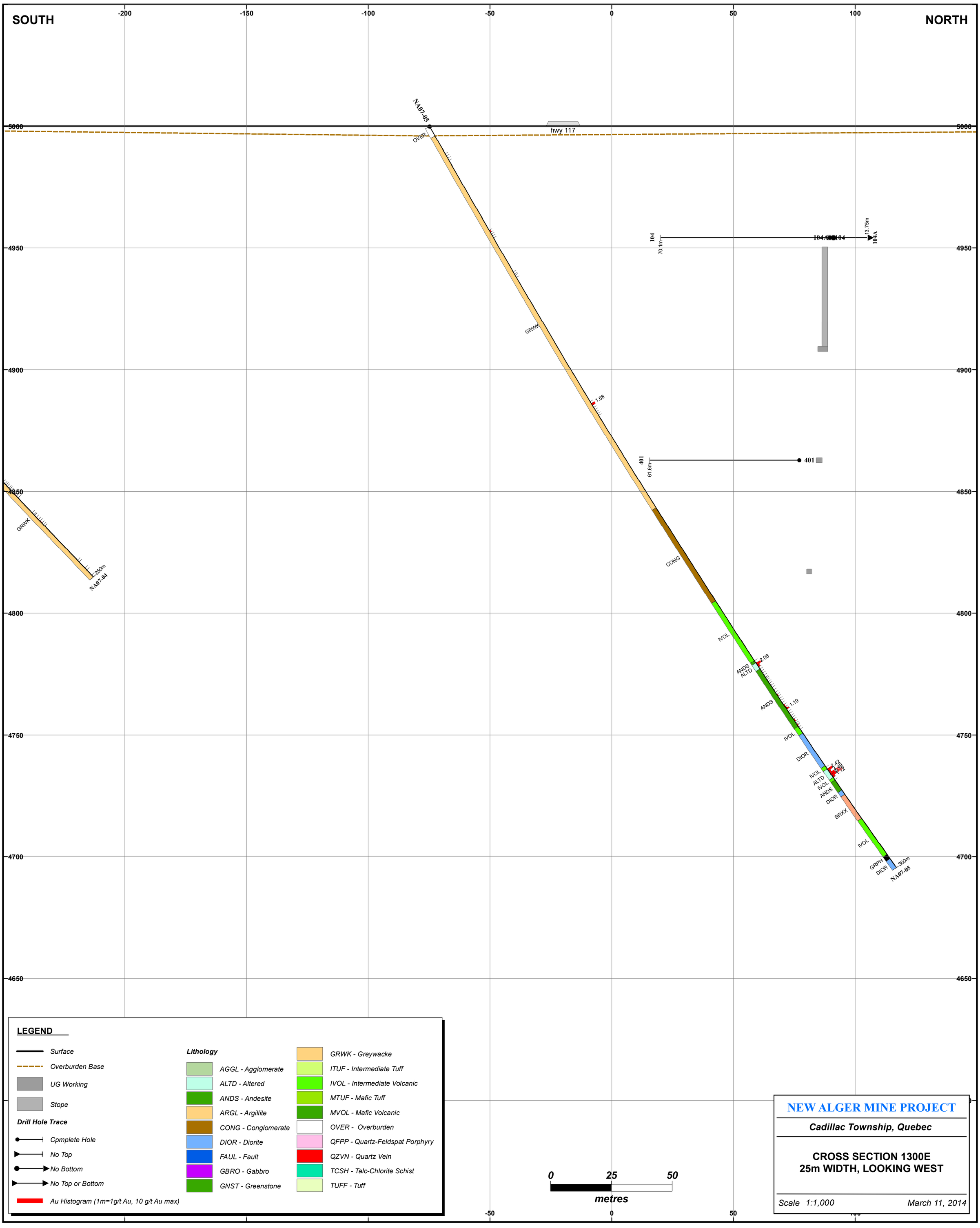
| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-13 | | | PAGE: 3 of 3 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| **56.50** | **77.90** | **Intermediate Tuff / Volcanics** | | | | | | | | | |
| | | strongly banded, minor chlorite blebs throughout | 1409446 | 56.5 | 57.7 | 1.2 | 178 | | | | |
| | | not visibly mineralized | 1409447 | 57.7 | 58.6 | 0.9 | 9 | | | | |
| | | competent, with a few narrow white QV's parallel to and x-cutting | | | | | | | | | |
| | | foliation | | | | | | | | | |
| | | 58.6 - 59.2 blue grey apalite x-cutting foliation. 2-5% py | 1409448 | 58.6 | 59.2 | 0.6 | 145 | | | | |
| | | 59.2 - 59.9 black, fine grained, graphitic argillite | 1409449 | 59.2 | 59.9 | 0.7 | 204 | | | | |
| | | | 1409450 | 59.9 | 60.9 | 1 | 246 | | | | |
| | | | | | | | | | | | |
| | | 60.9 - alternating tuffs and volcancis | 1409101 | 60.9 | 61.8 | 0.9 | 74 | | | | |
| | | | 1409102 | 61.8 | 62.8 | 1 | 13 | | | | |
| | | | 1409103 | 62.8 | 63.8 | 1 | 34 | | | | |
| | | | 1409104 | 63.8 | 64.8 | 1 | 114 | | | | |
| | | | 1409105 | 64.8 | 65.7 | 0.9 | 82 | | | | |
| | | | 1409106 | 65.7 | 66.7 | 1 | 54 | | | | |
| | | | 1409107 | 66.7 | 67.7 | 1 | 21 | | | | |
| | | | 1409108 | 67.7 | 68.6 | 0.9 | 691 | | | | |
| | | | | | | | | | | | |
| | | 68.6 - 69.5 several 3 - 4 cm b grey qv's, fine py within veins and in | 1409109 | 68.6 | 69.5 | 0.9 | 1456 | 1.456 | | | |
| | | host rock | | | | | | | | | |
| | | veins are parallel to and x-cutting foliation. In one case the vein is | 1409110 | 69.5 | 70.5 | 1 | 21 | | | | |
| | | tightly folded | 1409111 | 70.5 | 71.7 | 1.2 | 9 | | | | |
| | | Zone?? | 1409112 | 71.7 | 72.6 | ..9 | 15 | | | | |
| | | 72.6 - increasingly silicified with narrow qtz and blue grey quartz veinlets | 1409113 | 72.6 | 73.4 | 0.8 | 424 | | | | |
| | | parallel to and x-cutting general foliation. Wallrock and veinlets carry | | | | | | | | | |
| | | fine and clotty pyrite. | 1409114 | 73.4 | 74.4 | 1 | 454 | | | | |
| | | | 1409115 | 74.4 | 75.1 | 0.7 | 87 | | | | |
| | | mostly concentrated in the veins. | | | | | | | | | |
| | | | 1409116 | 75.1 | 76 | 0.9 | 12 | | | | |
| | | 75.1 - 77.3 strongly chloritic, sheared, white and grey QV's with minor | 1409117 | 76 | 76.8 | 0.8 | 418 | | | | |
| | | sulfide increasing down core. | 1409118 | 76.8 | 77.3 | 0.7 | 9 | | | | |
| | | sharp lower contact | 1409119 | 77.3 | 77.9 | 0.6 | <8 | | | | |
| | | | | | | | | | | | |
| **77.90** | **105.00** | **Talc Chlorite Schist** | | | | | | | | | |
| | | soft, grey green colour | | | | | | | | | |
| | | strongly chlortic, strongly sheared | 1409120 | 77.9 | 78.9 | 1 | <8 | | | | |
| | | foliaiton is non existent to contorted | | | | | | | | | |
| | | occasional fault gouge, no obvious faults beyond narrow gouge | | | | | | | | | |
| | | 88.7 - 89 strongly faulted. All clay fault gouge | | | | | | | | | |
| | | **EOH 105 m** | | | | | | | | | |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-15 | | | PAGE: 2 of 3 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| **0.00** | **11.00** | **Overburden** | | | | | | | | | |
| **11.00** | **12.30** | **Argillaceous / Grpahitic Shale** | | | | | | | | | |
| | | entire section is rubble, some graphite but not nearly as much | | | | | | | | | |
| | | as other holes. | | | | | | | | | |
| | | minor py | | | | | | | | | |
| **12.30** | **17.90** | **Mafic Volcanics** | | | | | | | | | |
| | | green / grey colour | | | | | | | | | |
| | | massive with occasional contorted qtz-cb veinlets | | | | | | | | | |
| | | sharp lower contact | | | | | | | | | |
| | | more tuff like over the last meter or so | | | | | | | | | |
| **17.90** | **19.20** | **Tuff** | | | | | | | | | |
| | | grey grreen colour. Increasingly borwnish hue due to bitoite | 1409184 | 17.9 | 18.6 | 0.7 | 1615 | 1.62 | | | |
| | | disseminated aspy thorughout and occasional narrow 2 cm | 1409185 | 18.6 | 19.2 | 0.6 | 3670 | 5.22 | | | |
| | | blue grey qtz veins increasing down core | | | | | | | | | |
| **19.20** | **21.90** | **Blue Grey Qtz Vein (Vein #?)** | | | | | | | | | |
| | | blue grey colour, | 1409186 | 19.2 | 20.2 | 1 | 677 | | | | |
| | | fractured with fine cb infill on fracture faces | 1409187 | 20.2 | 21 | 0.8 | 62 | | | | |
| | | small wallrock inclusions with diss aspy and py | 1409188 | 21 | 21.9 | 0.9 | 350 | | | | |
| | | minor aspy and py within QV | | | | | | | | | |
| **21.90** | **38.70** | **Tuff** | | | | | | | | | |
| | | stroingly foliated, grey brown colour | 1409189 | 21.9 | 22.9 | 1 | 2711 | 2.711 | | | |
| | | biotite increases down core, diss aspy throughout | 1409190 | 22.9 | 23.9 | 1 | 271 | | | | |
| | | one narrow contorted blue grey QV in upper portion, followed by | 1409191 | 23.9 | 24.9 | 1 | 37 | | | | |
| | | narrow white qtz sweats throughout | 1409192 | 24.9 | 25.8 | 0.9 | 23 | | | | |
| | | | 1409193 | 25.8 | 26.8 | 1.00 | 9 | | | | |
| | | | 1409194 | 26.8 | 27.7 | 0.90 | 16 | | | | |
| | | | 1409195 | 27.7 | 28.7 | 1.00 | <8 | | | | |
| | | increasing biotite imparts a brown colour to core | 1409196 | 28.7 | 29.7 | 1.00 | <8 | | | | |
| | | | 1409197 | 29.7 | 30.9 | 1.20 | <8 | | | | |
| | | | 1409198 | 30.9 | 31.5 | 0.60 | <8 | | | | |

| Billiken Management | | | PROJECT: New Alger Gold Project | | | | HOLE NO: REN-14-13 | | | PAGE: 3 of 3 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FROM | TO | DESCRIPTION | ANALYTICAL RESULTS | | | | | | | | |
| | | | SAMPLE | FROM | TO | LENGTH | Au ppb | Au g/t | | | |
| | | 35.7 - 36.7 Argillite | | | | | | | | | |
| | | black, fine grained | 1409199 | 35.7 | 36.7 | 1 | 75 | | | | |
| | | tuff intercalated | 1409200 | 36.7 | 37.7 | 1 | 209 | | | | |
| | | minor sulfide | 1409201 | 37.7 | 38.7 | 1 | 1788 | 1.79 | | | |
| | | | | | | | | | | | |
| **38.70** | **42.00** | **Mafic Volcanics** | | | | | | | | | |
| | | SAA | | | | | | | | | |
| | | trwo blue grey qv to 10 cm at upper contact and .3m down | 1409202 | 38.7 | 40 | 1.3 | 14 | | | | |
| | | diss aspy | 1409203 | 40 | 41 | 1 | <8 | | | | |
| | | | 1409204 | 41 | 42 | 1 | 75 | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| **42.00** | **56.70** | **Porphyry** | | | | | | | | | |
| | | black in colour | 1409205 | 42 | 43 | 1 | <8 | | | | |
| | | 15-20% elongated white Felds phenos | 1409206 | 43 | 44 | 1 | <8 | | | | |
| | | occasionally strongly foliated at 5 deg TCA | 1409207 | 44 | 45 | 1 | <8 | | | | |
| | | fine diss py and aspy at times fairly rare | 1409208 | 45 | 46 | 1 | <8 | | | | |
| | | occasional closts of fine py along foliation planes | 1409209 | 46 | 47 | 1 | <8 | | | | |
| | | overall strongly silicifed | 1409210 | 47 | 48 | 1 | <8 | | | | |
| | | | 1409211 | 48 | 48.6 | 0.6 | 10 | | | | |
| | | | 1409212 | 48.6 | 49.6 | 1 | <8 | | | | |
| | | | 1409213 | 49.6 | 50.6 | 1 | <8 | | | | |
| | | | 1409214 | 50.6 | 51.6 | 1 | <8 | | | | |
| | | | 1409215 | 51.6 | 52.6 | 1 | <8 | | | | |
| | | | 1409216 | 52.6 | 53.6 | 1 | <8 | | | | |
| | | | 1409217 | 53.6 | 54.6 | 1 | 141 | | | | |
| | | | 1409218 | 54.6 | 55.6 | 1 | 89 | | | | |
| | | | 1409219 | 55.6 | 56.7 | 1.1 | <8 | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| **56.70** | **65.00** | **Mafic Volcanics** | | | | | | | | | |
| | | SAA | | | | | | | | | |
| | | Barren | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | **EOH 65m** | | | | | | | | | |
| | | **(note: charged only to 64m)** | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

# APPENDIX C: DRILL SECTIONS




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

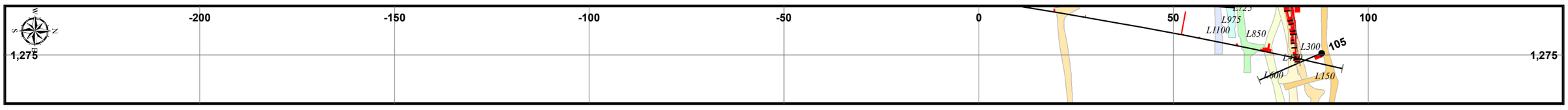
*0 25 50*
*metres*

**NEW ALGER MINE PROJECT**

***Cadillac Township, Quebec***

**CROSS SECTION 1300E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*




SOUTH

NORTH

hwy 117

5000

4950

4900

4850

4800

4750

4700

4650

4600

105 104A 13.73m 25.6m 17.7m

306 305 43.6m 15.9m

U-02 U-02 118.9m 97.51m

NA08-04 290.71m 300m TUFF ANDS NA08-04

U-58 U-58 U-57 32.3m 20.1m

NA07-06 329.1m GRWK ALTD CONG IVOL ANDS ALTD IVOL ANDS GRWK IVOL DIOR 482m NA07-06

-200 -150 -100 -50 0 50 100

## LEGEND

- Surface
- Overburden Base
- UG Working
- Stope

**Drill Hole Trace**

- Cpmplete Hole
- No Top
- No Bottom
- No Top or Bottom
- Au Histogram (1m=1g/t Au, 10 g/t Au max)

**Lithology**

- AGGL - Agglomerate
- ALTD - Altered
- ANDS - Andesite
- ARGL - Argillite
- CONG - Conglomerate
- DIOR - Diorite
- FAUL - Fault
- GBRO - Gabbro
- GNST - Greenstone
- GRWK - Greywacke
- ITUF - Intermediate Tuff
- IVOL - Intermediate Volcanic
- MTUF - Mafic Tuff
- MVOL - Mafic Volcanic
- OVER - Overburden
- QFPP - Quartz-Feldspat Porphyry
- QZVN - Quartz Vein
- TCSH - Talc-Chlorite Schist
- TUFF - Tuff

# NEW ALGER MINE PROJECT

**Cadillac Township, Quebec**

**CROSS SECTION 1275E**
**25m WIDTH, LOOKING WEST**

Scale 1:1,000 March 11, 2014

0 25 50
metres

SOUTH

NORTH

-200 -150 -100 -50 0 50 100

1,250

NA08-04 NA07-06

L1100 L975 L725 L850 L1600 L450 L150 L3750

101 103

5000

4950

4900

4850

4800

4750

4700

4650

hwy 117

NA08-04 NA07-06

OVER OVER

2.61

GRWK GRWK GRWK

101 103 101A 103A

15.5m 16.6m 1.99m 2.46m 28m 29m

404 404

45.1m 22.76m

U-02 U-02

97.51m 66.12m

TUFF 290.74m NA08-04

ANDS GRWK

ALTD 1.42m 1.67

GRWK 329.11m NA07-06

**LEGEND**

- Surface
- Overburden Base
- UG Working
- Stope

**Drill Hole Trace**

- Cpmplete Hole
- No Top
- No Bottom
- No Top or Bottom
- Au Histogram (1m=1g/t Au, 10 g/t Au max)

**Lithology**

- AGGL - Agglomerate
- ALTD - Altered
- ANDS - Andesite
- ARGL - Argillite
- CONG - Conglomerate
- DIOR - Diorite
- FAUL - Fault
- GBRO - Gabbro
- GNST - Greenstone
- GRWK - Greywacke
- ITUF - Intermediate Tuff
- IVOL - Intermediate Volcanic
- MTUF - Mafic Tuff
- MVOL - Mafic Volcanic
- OVER - Overburden
- QFPP - Quartz-Feldspat Porphyry
- QZVN - Quartz Vein
- TCSH - Talc-Chlorite Schist
- TUFF - Tuff

0 25 50

metres

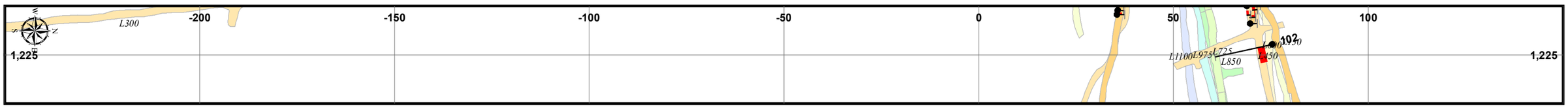
-50 0 50

# NEW ALGER MINE PROJECT

**Cadillac Township, Quebec**

**CROSS SECTION 1250E**
**25m WIDTH, LOOKING WEST**

Scale 1:1,000 March 11, 2014




SOUTH

NORTH

hwy 117

5000

4950

4900

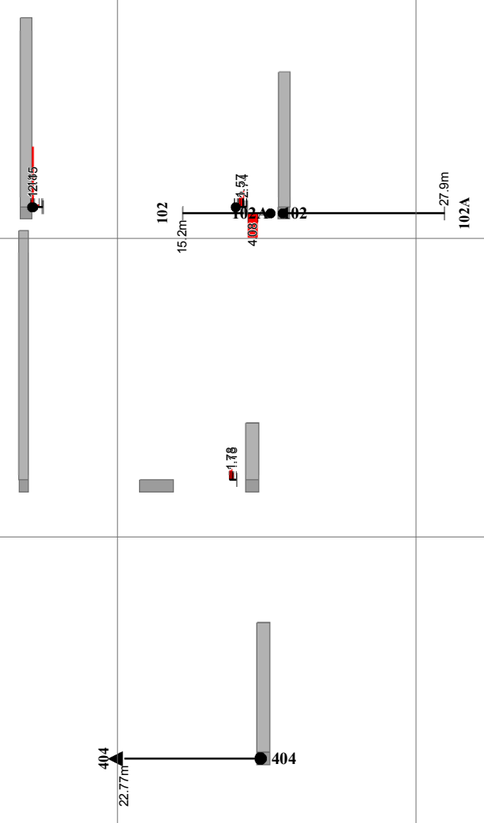
4850

4800

4750

4700

4650




-200 -150 -100 -50 0 50 100

**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

*0 25 50*

*metres*

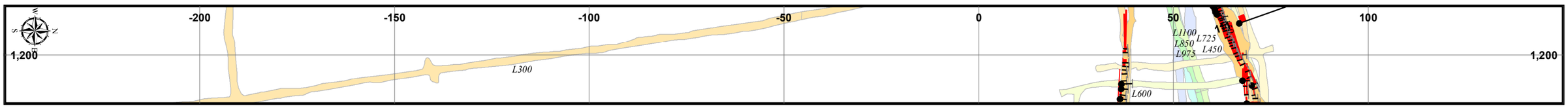
-50 0 50

**NEW ALGER MINE PROJECT**

***Cadillac Township, Quebec***

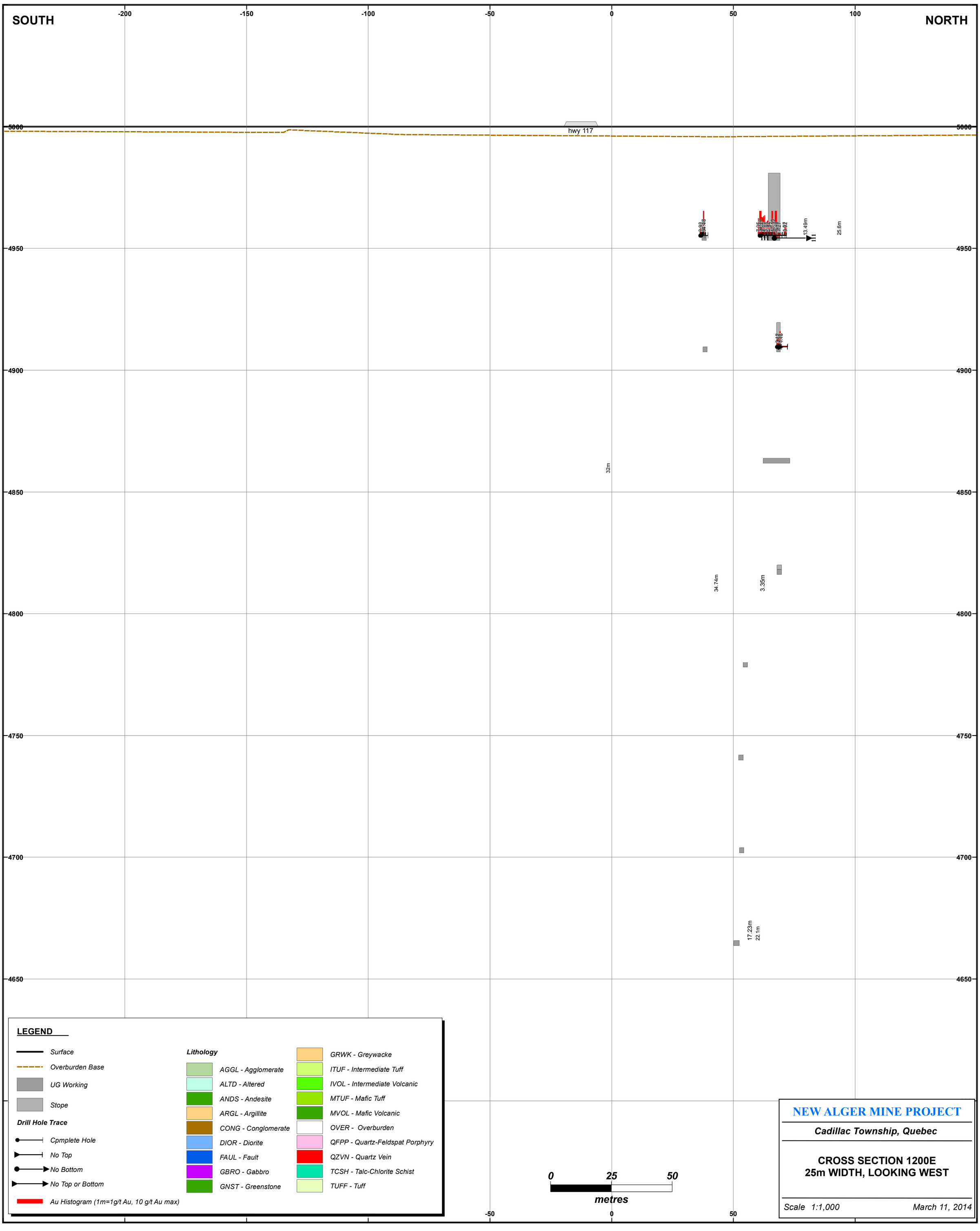
**CROSS SECTION 1225E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*




SOUTH

NORTH




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

*0 25 50*

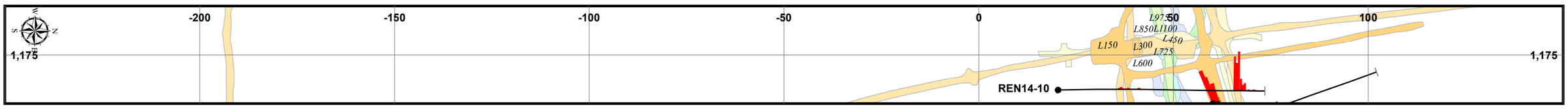
*metres*

**NEW ALGER MINE PROJECT**

***Cadillac Township, Quebec***

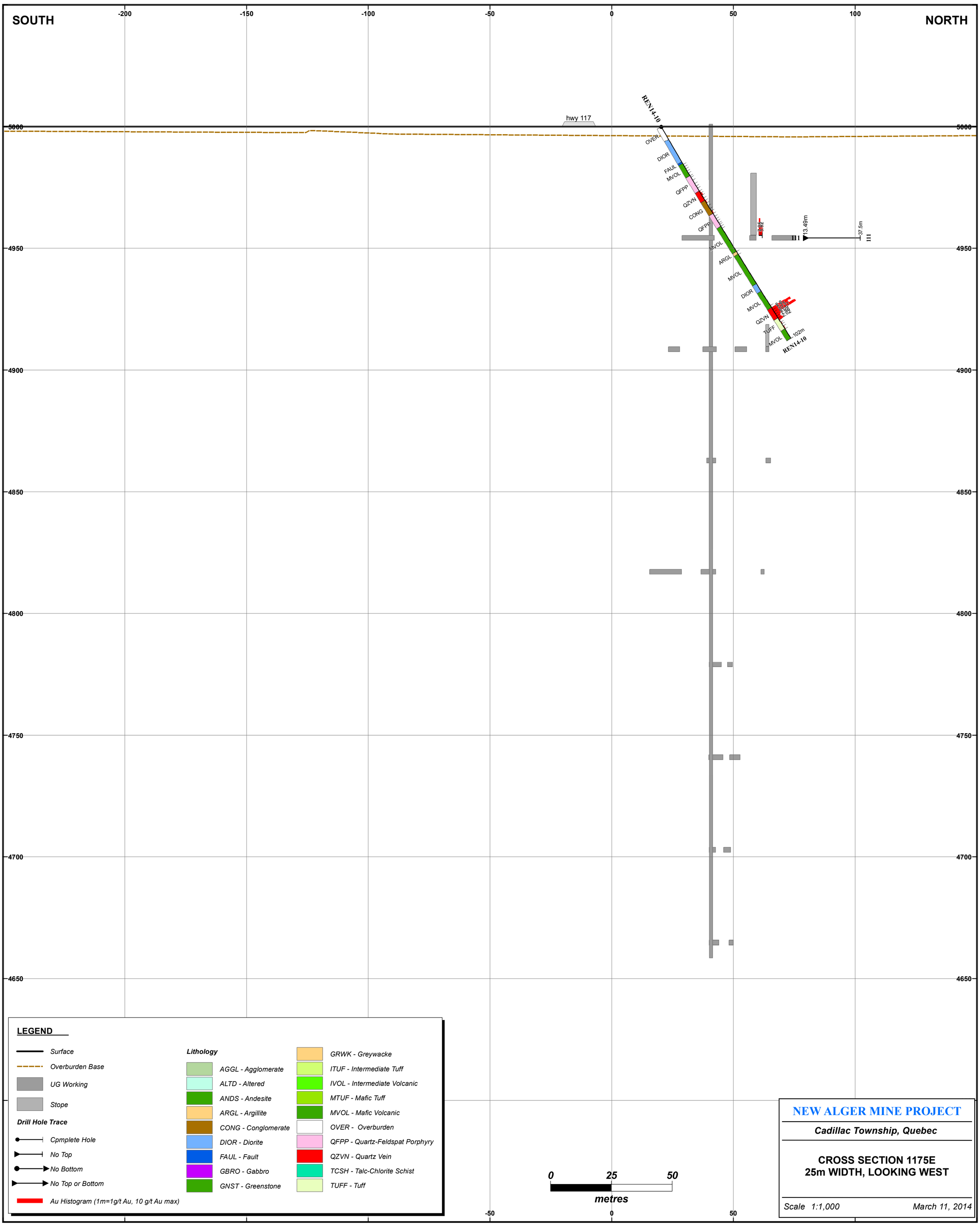
**CROSS SECTION 1200E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*




SOUTH

NORTH




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

*0 25 50*

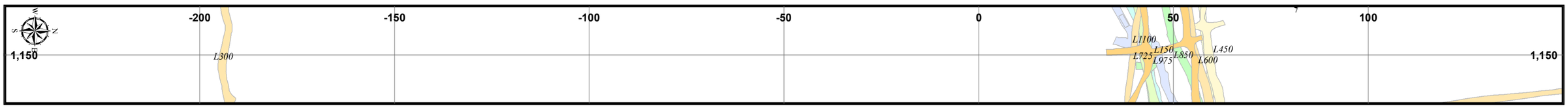
*metres*

**NEW ALGER MINE PROJECT**

***Cadillac Township, Quebec***

**CROSS SECTION 1175E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*




SOUTH

NORTH

hwy 117

5000

4950

4900

4850

4800

4750

4700

4650

REN10-09
306.9m
309m
MVOL
REN10-09

U-63
6.2m
U-63

U-64
7.9m
10.96m
38.1m
U-56
4.7m
8.5m
U-71

0 25 50
metres

## LEGEND

- Surface
- Overburden Base
- UG Working
- Stope

**Drill Hole Trace**

- Cpmplete Hole
- No Top
- No Bottom
- No Top or Bottom
- Au Histogram (1m=1g/t Au, 10 g/t Au max)

**Lithology**

- AGGL - Agglomerate
- ALTD - Altered
- ANDS - Andesite
- ARGL - Argillite
- CONG - Conglomerate
- DIOR - Diorite
- FAUL - Fault
- GBRO - Gabbro
- GNST - Greenstone
- GRWK - Greywacke
- ITUF - Intermediate Tuff
- IVOL - Intermediate Volcanic
- MTUF - Mafic Tuff
- MVOL - Mafic Volcanic
- OVER - Overburden
- QFPP - Quartz-Feldspat Porphyry
- QZVN - Quartz Vein
- TCSH - Talc-Chlorite Schist
- TUFF - Tuff

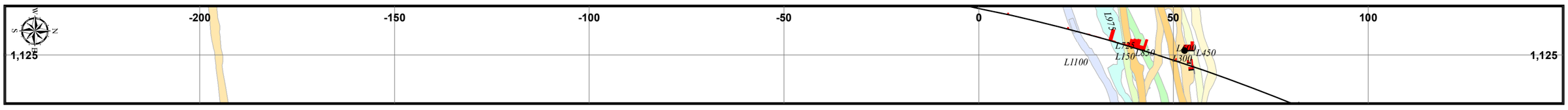
# NEW ALGER MINE PROJECT

**Cadillac Township, Quebec**

**CROSS SECTION 1150E**
**25m WIDTH, LOOKING WEST**

Scale 1:1,000

March 11, 2014




SOUTH

NORTH

hwy 117

5000

4950

4900

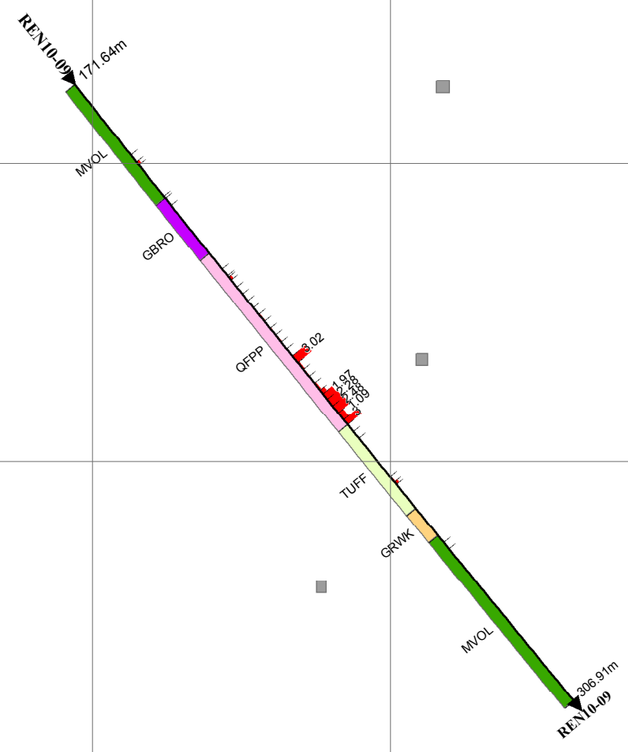
4850

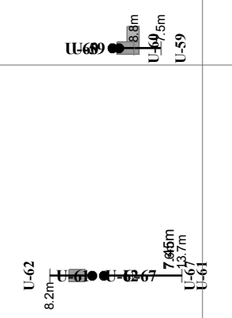
4800

4750

4700

4650




-200
-150
-100
-50
0
50
100

**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

0 25 50

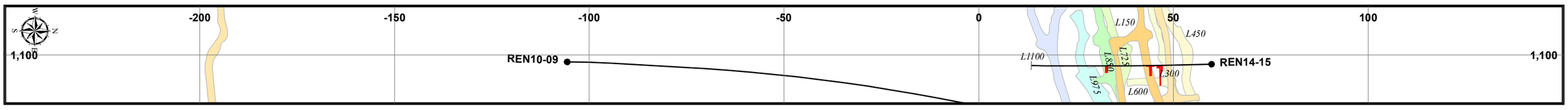
*metres*

# NEW ALGER MINE PROJECT

***Cadillac Township, Quebec***

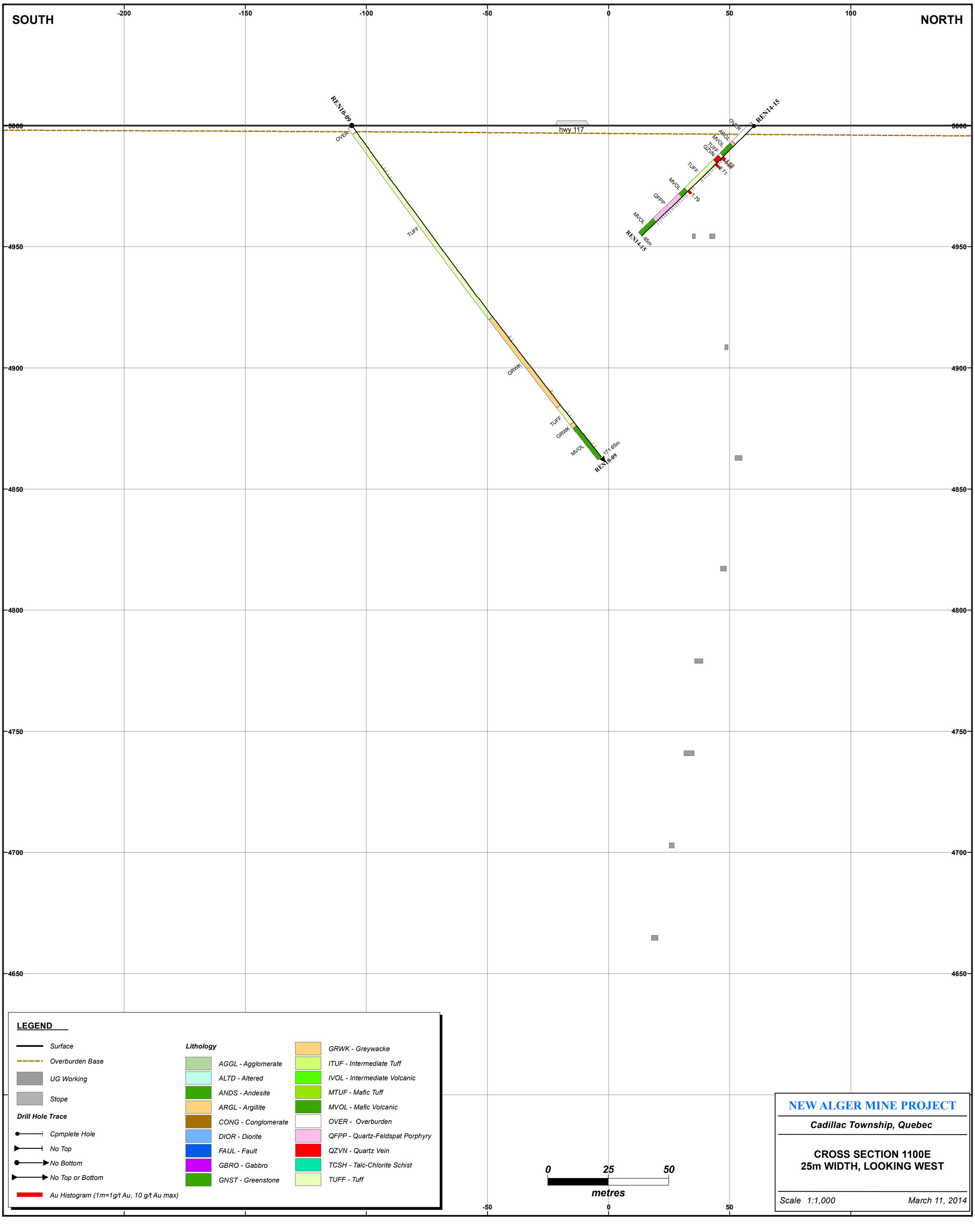
**CROSS SECTION 1125E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*




SOUTH

NORTH




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

*0 25 50*

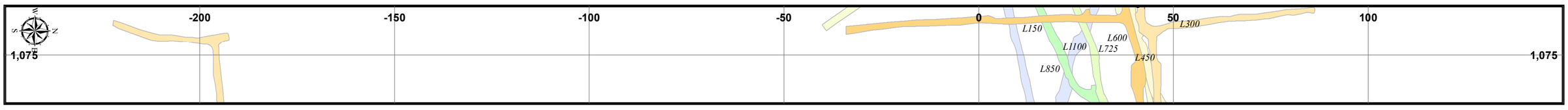
*metres*

**NEW ALGER MINE PROJECT**

***Cadillac Township, Quebec***

**CROSS SECTION 1100E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*




SOUTH

NORTH

hwy 117

5000

4950

4900

4850

4800

4750

4700

4650

302

53.3m

U-06

40.98m

80.63m

U-69

7.66m

U-74

23.8m

18m

U-73

49.66m

U-75

0 25 50

metres

## LEGEND

- Surface
- Overburden Base
- UG Working
- Stope

**Drill Hole Trace**

- Cpmplete Hole
- No Top
- No Bottom
- No Top or Bottom
- Au Histogram (1m=1g/t Au, 10 g/t Au max)

**Lithology**

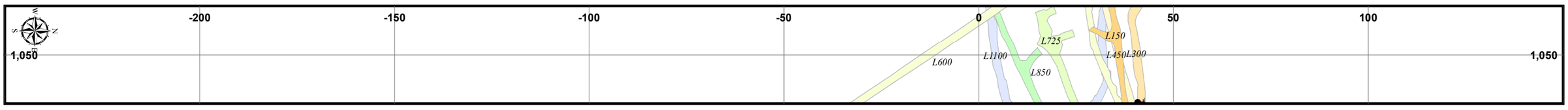
- AGGL - Agglomerate
- ALTD - Altered
- ANDS - Andesite
- ARGL - Argillite
- CONG - Conglomerate
- DIOR - Diorite
- FAUL - Fault
- GBRO - Gabbro
- GNST - Greenstone
- GRWK - Greywacke
- ITUF - Intermediate Tuff
- IVOL - Intermediate Volcanic
- MTUF - Mafic Tuff
- MVOL - Mafic Volcanic
- OVER - Overburden
- QFPP - Quartz-Feldspat Porphyry
- QZVN - Quartz Vein
- TCSH - Talc-Chlorite Schist
- TUFF - Tuff

# NEW ALGER MINE PROJECT

***Cadillac Township, Quebec***

**CROSS SECTION 1075E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*




SOUTH

NORTH

hwy 117

5000

4950

4900

4850

4800

4750

4700

4650

U-06 1.33m 40.98m U-06

U-76 27.4m U-76

U-75 49.65m 77.7m U-75

U-86 58.33m 39.7m U-86

0 25 50

metres

## LEGEND

- Surface
- Overburden Base
- UG Working
- Stope

**Drill Hole Trace**

- Cpmplete Hole
- No Top
- No Bottom
- No Top or Bottom
- Au Histogram (1m=1g/t Au, 10 g/t Au max)

**Lithology**

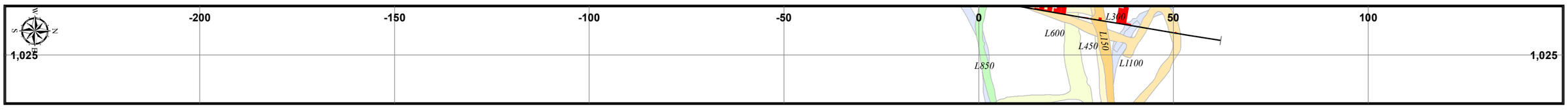
- AGGL - Agglomerate
- ALTD - Altered
- ANDS - Andesite
- ARGL - Argillite
- CONG - Conglomerate
- DIOR - Diorite
- FAUL - Fault
- GBRO - Gabbro
- GNST - Greenstone
- GRWK - Greywacke
- ITUF - Intermediate Tuff
- IVOL - Intermediate Volcanic
- MTUF - Mafic Tuff
- MVOL - Mafic Volcanic
- OVER - Overburden
- QFPP - Quartz-Feldspat Porphyry
- QZVN - Quartz Vein
- TCSH - Talc-Chlorite Schist
- TUFF - Tuff

# NEW ALGER MINE PROJECT

***Cadillac Township, Quebec***

**CROSS SECTION 1050E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*




SOUTH

NORTH

5000

4950

4900

4850

4800

4750

4700

4650

hwy 117

REN10-04
177.31m
QFPP
TUFF
DRIFT
TUFF
GRWK
TCSH
240m
REN10-04

U-06
1.33m
U-06
32.52m
U-04

92.7m
U-85

U-83
13.7m
U-83
U-82
U-82
20.4m
U-82

U-77
32.6m
U-77

11.9m

58.34m
U-86

73.2m
U-87

71.6m
U-90

0 25 50
metres

## LEGEND

- Surface
- Overburden Base
- UG Working
- Stope

**Drill Hole Trace**

- Cpmplete Hole
- No Top
- No Bottom
- No Top or Bottom
- Au Histogram (1m=1g/t Au, 10 g/t Au max)

**Lithology**

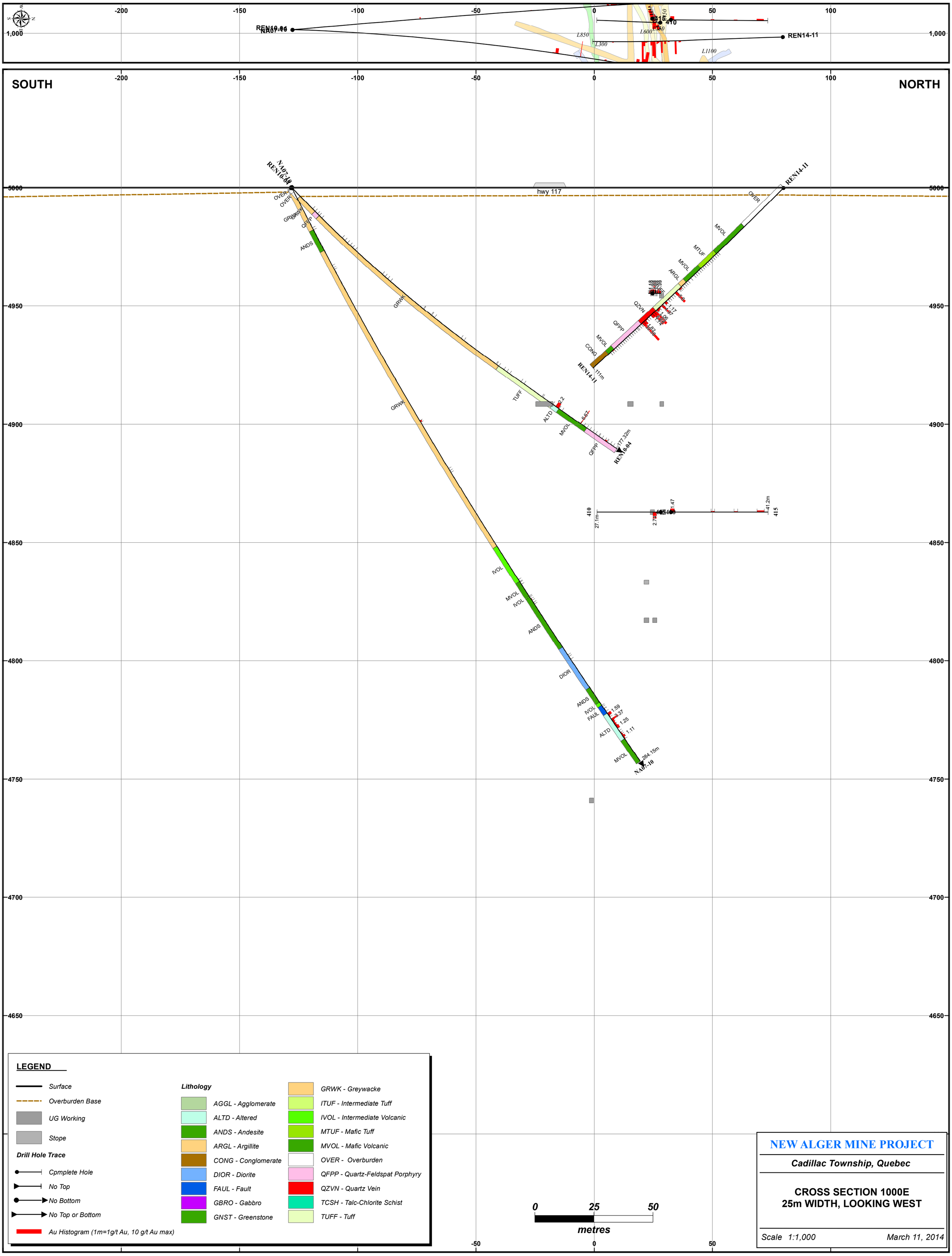
- AGGL - Agglomerate
- ALTD - Altered
- ANDS - Andesite
- ARGL - Argillite
- CONG - Conglomerate
- DIOR - Diorite
- FAUL - Fault
- GBRO - Gabbro
- GNST - Greenstone
- GRWK - Greywacke
- ITUF - Intermediate Tuff
- IVOL - Intermediate Volcanic
- MTUF - Mafic Tuff
- MVOL - Mafic Volcanic
- OVER - Overburden
- QFPP - Quartz-Feldspat Porphyry
- QZVN - Quartz Vein
- TCSH - Talc-Chlorite Schist
- TUFF - Tuff

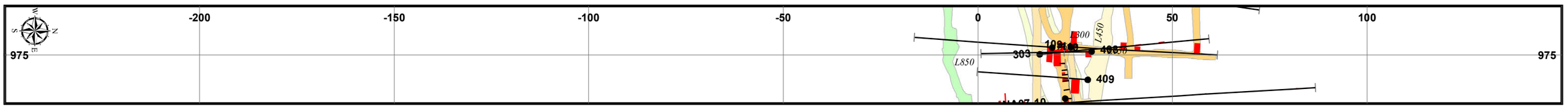
# NEW ALGER MINE PROJECT

***Cadillac Township, Quebec***

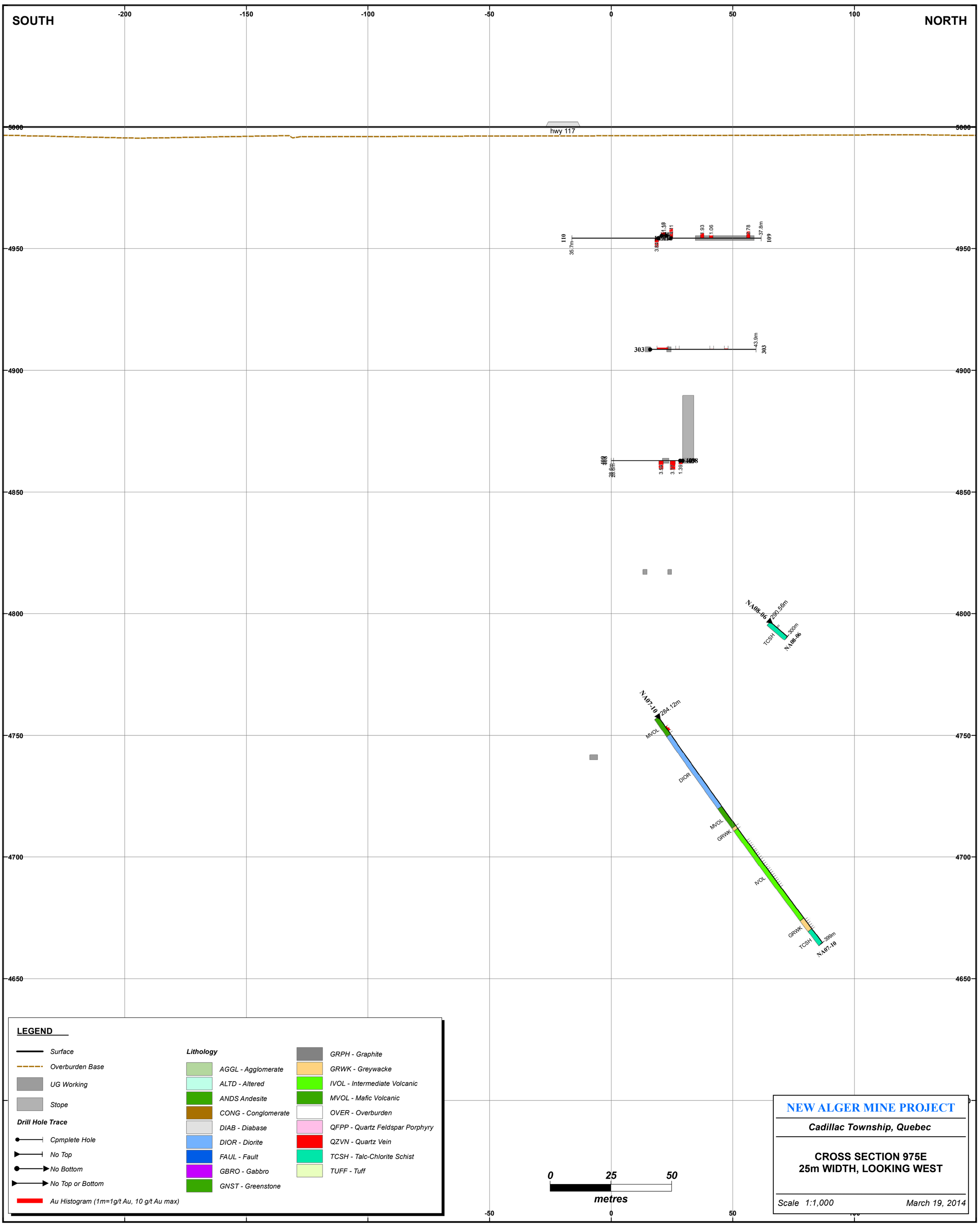
**CROSS SECTION 1025E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*


SOUTH
NORTH
-200
-150
-100
-50
0
50
100
1,000
5000
4950
4900
4850
4800
4750
4700
4650
REN19-06
NA07-10
REN14-11
hwy 117
OVER
GRWK
QFPP
ANDS
MVOL
MTUF
ARGL
QZVN
CONG
TUFF
ALTD
IVOL
DIOR
FAUL
GBRO
TCSH
ITUF
GNST
AGGL
177.32m
284.15m
111m
L850
L300
L600
L750
L1100
410
415
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 1000E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014




SOUTH NORTH




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

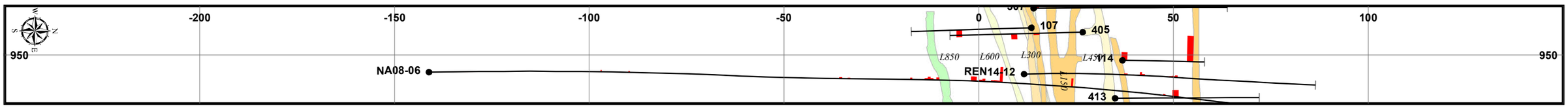
- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS Andesite*
- *CONG - Conglomerate*
- *DIAB - Diabase*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRPH - Graphite*
- *GRWK - Greywacke*
- *IVOL - Intermediate Volcanic*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz Feldspar Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

**NEW ALGER MINE PROJECT**

***Cadillac Township, Quebec***

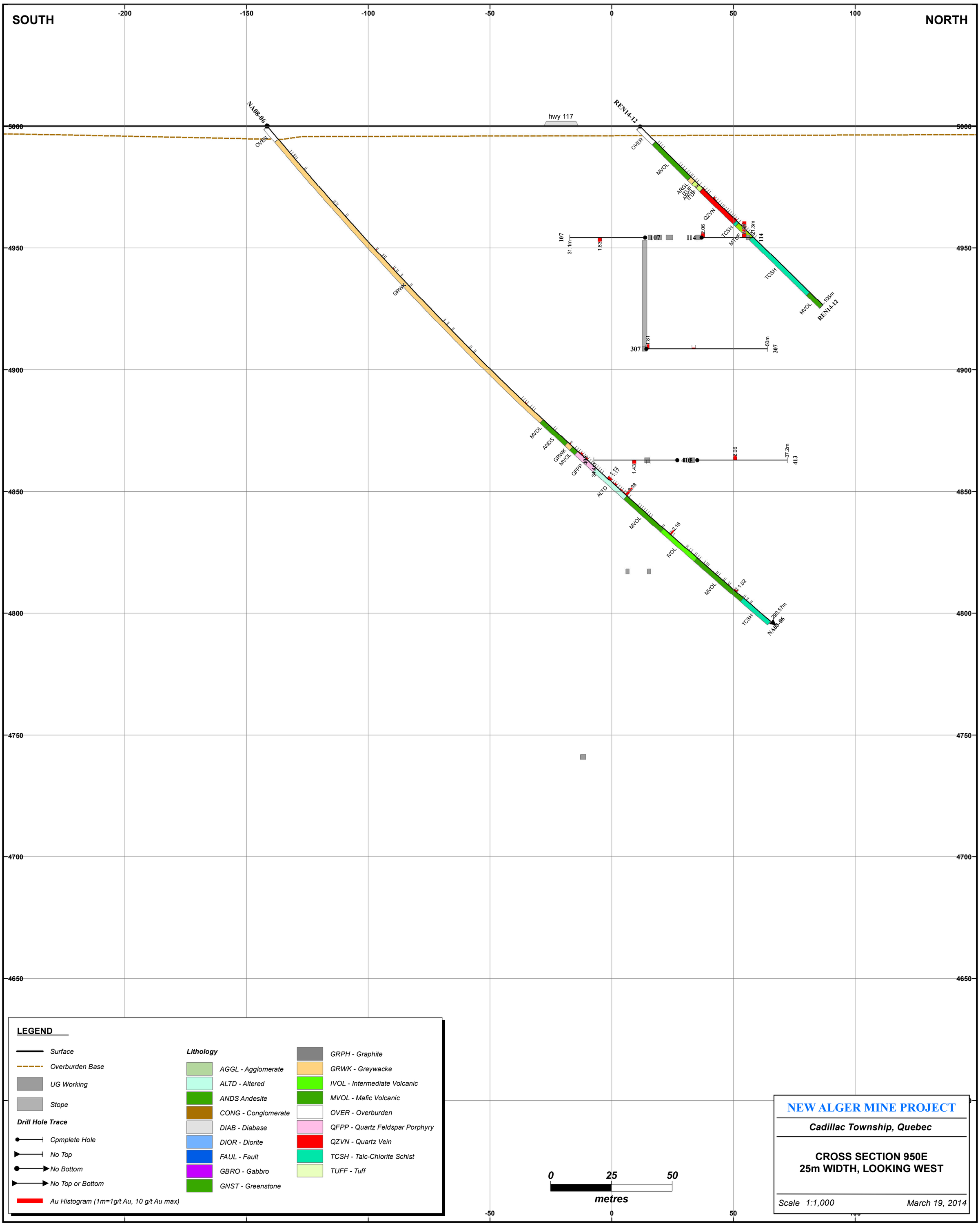
**CROSS SECTION 975E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 19, 2014*




SOUTH

NORTH




## LEGEND

- Surface
- Overburden Base
- UG Working
- Stope

**Drill Hole Trace**

- Cpmplete Hole
- No Top
- No Bottom
- No Top or Bottom
- Au Histogram (1m=1g/t Au, 10 g/t Au max)

**Lithology**

- AGGL - Agglomerate
- ALTD - Altered
- ANDS Andesite
- CONG - Conglomerate
- DIAB - Diabase
- DIOR - Diorite
- FAUL - Fault
- GBRO - Gabbro
- GNST - Greenstone
- GRPH - Graphite
- GRWK - Greywacke
- IVOL - Intermediate Volcanic
- MVOL - Mafic Volcanic
- OVER - Overburden
- QFPP - Quartz Feldspar Porphyry
- QZVN - Quartz Vein
- TCSH - Talc-Chlorite Schist
- TUFF - Tuff

0 25 50

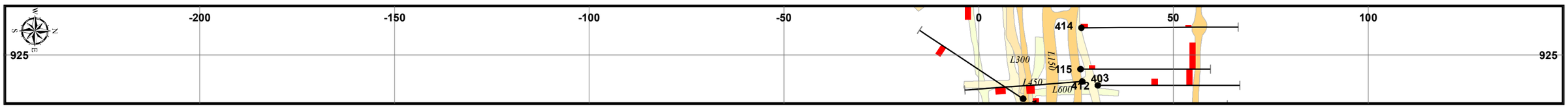
metres

# NEW ALGER MINE PROJECT

***Cadillac Township, Quebec***

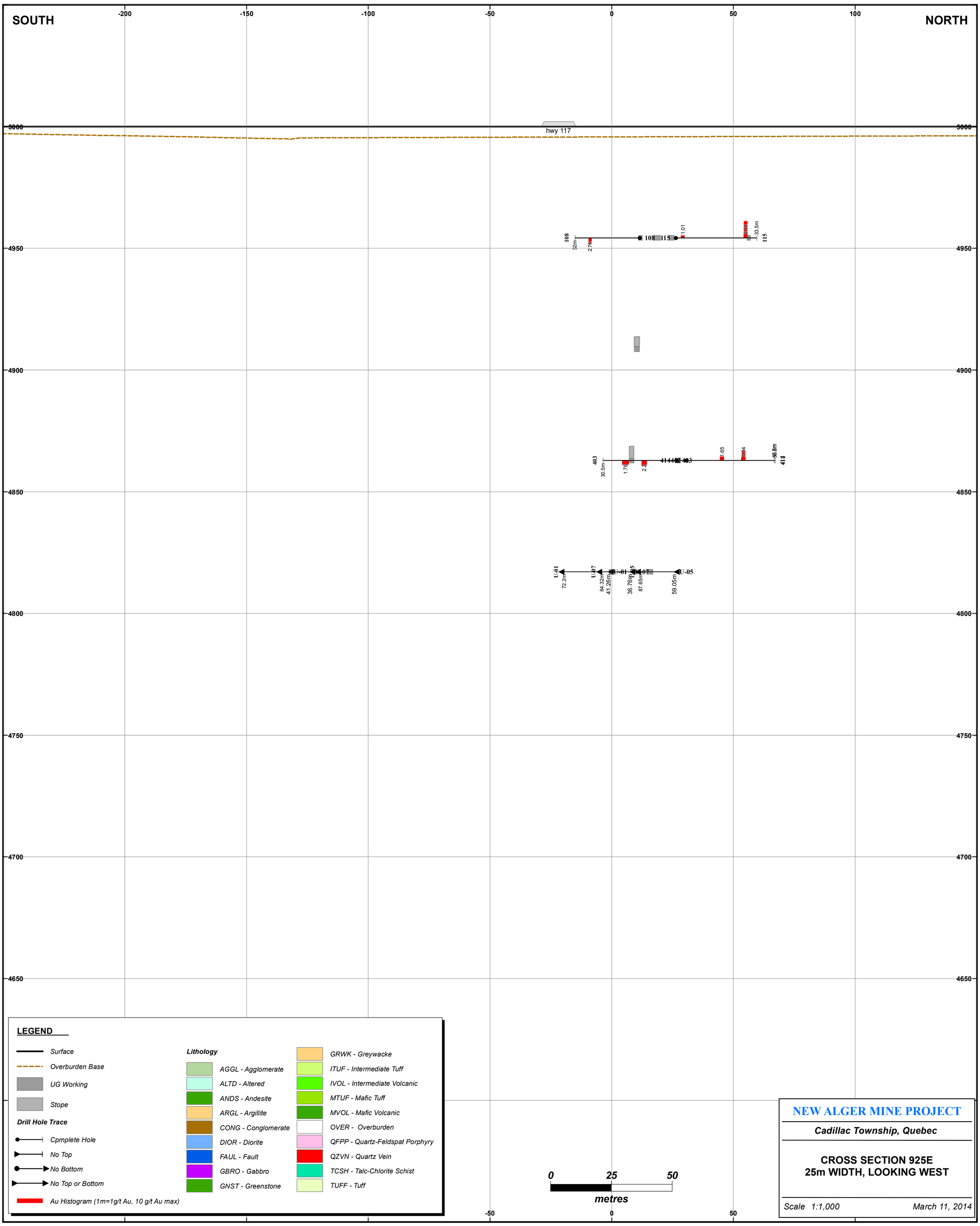
**CROSS SECTION 950E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 19, 2014*




SOUTH

NORTH




LEGEND

- Surface
- Overburden Base
- UG Working
- Stope

**Drill Hole Trace**

- Cpmplete Hole
- No Top
- No Bottom
- No Top or Bottom
- Au Histogram (1m=1g/t Au, 10 g/t Au max)

**Lithology**

- AGGL - Agglomerate
- ALTD - Altered
- ANDS - Andesite
- ARGL - Argillite
- CONG - Conglomerate
- DIOR - Diorite
- FAUL - Fault
- GBRO - Gabbro
- GNST - Greenstone
- GRWK - Greywacke
- ITUF - Intermediate Tuff
- IVOL - Intermediate Volcanic
- MTUF - Mafic Tuff
- MVOL - Mafic Volcanic
- OVER - Overburden
- QFPP - Quartz-Feldspat Porphyry
- QZVN - Quartz Vein
- TCSH - Talc-Chlorite Schist
- TUFF - Tuff

0 25 50

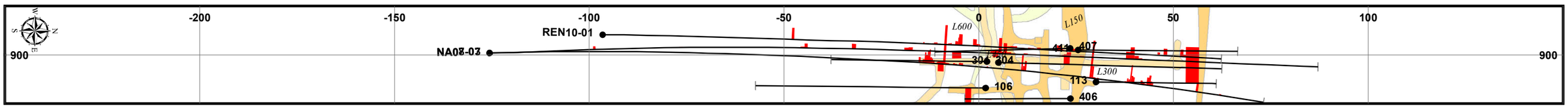
metres

# NEW ALGER MINE PROJECT

**Cadillac Township, Quebec**

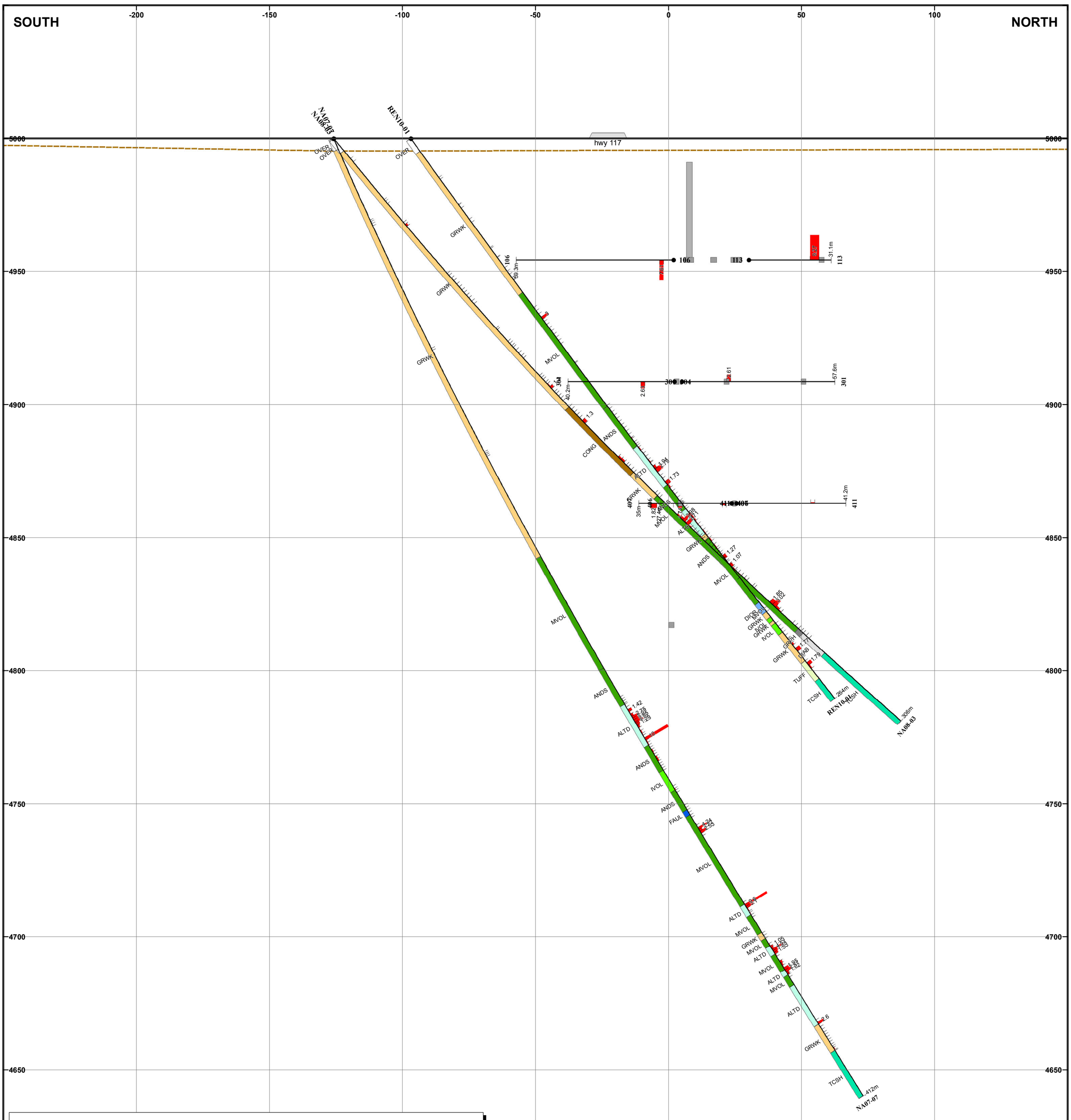
## CROSS SECTION 925E
## 25m WIDTH, LOOKING WEST

Scale 1:1,000 March 11, 2014




SOUTH

NORTH




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS Andesite*
- *CONG - Conglomerate*
- *DIAB - Diabase*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRPH - Graphite*
- *GRWK - Greywacke*
- *IVOL - Intermediate Volcanic*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz Feldspar Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

0 25 50

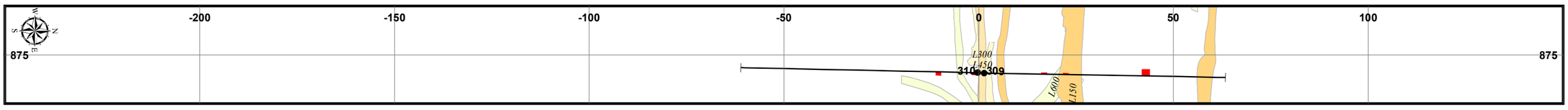
*metres*

**NEW ALGER MINE PROJECT**

***Cadillac Township, Quebec***

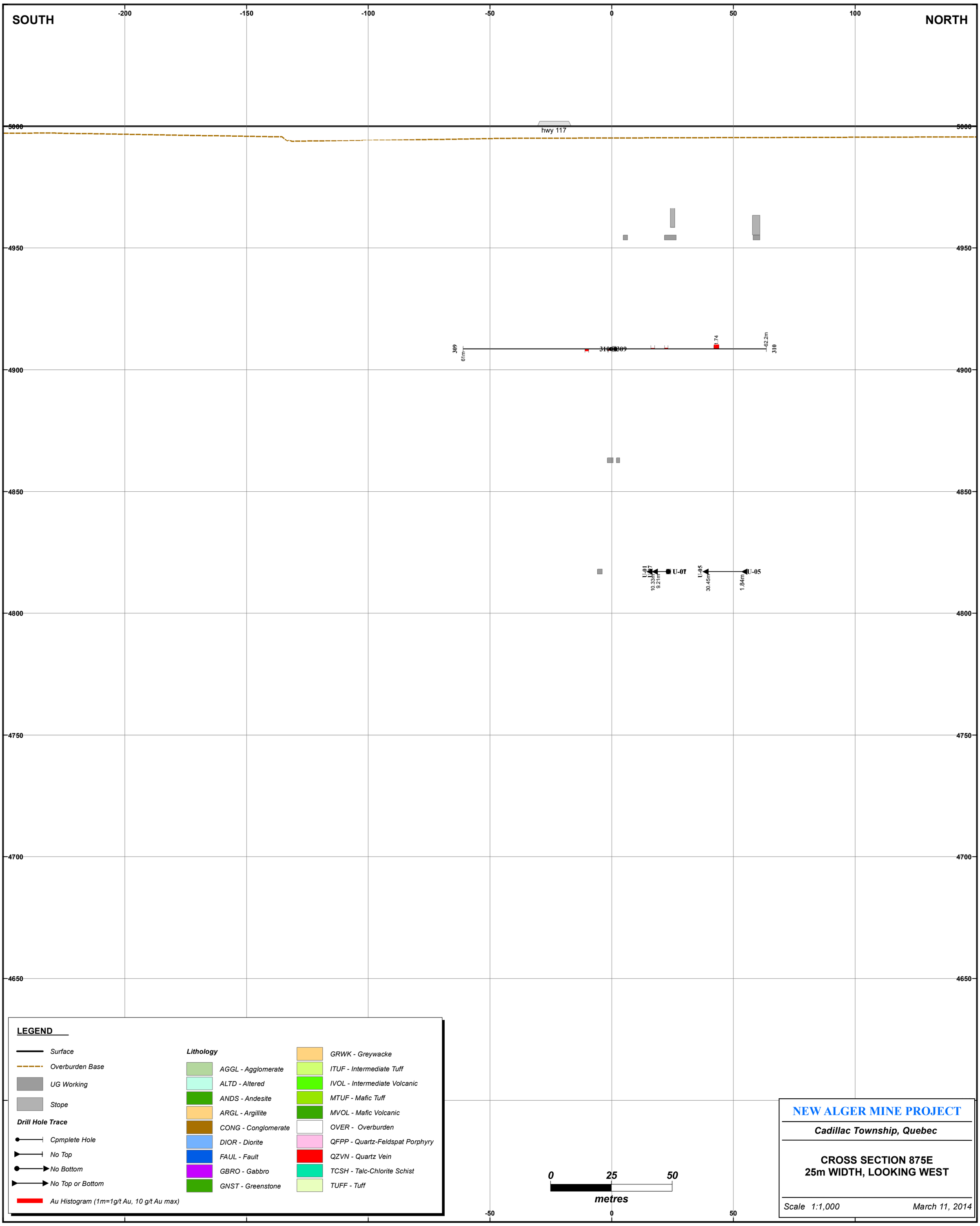
**CROSS SECTION 900E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 19, 2014*




SOUTH

NORTH




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

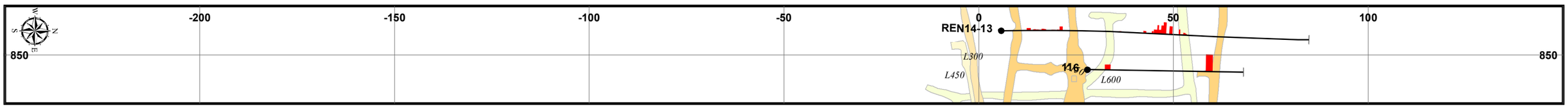
- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

**NEW ALGER MINE PROJECT**

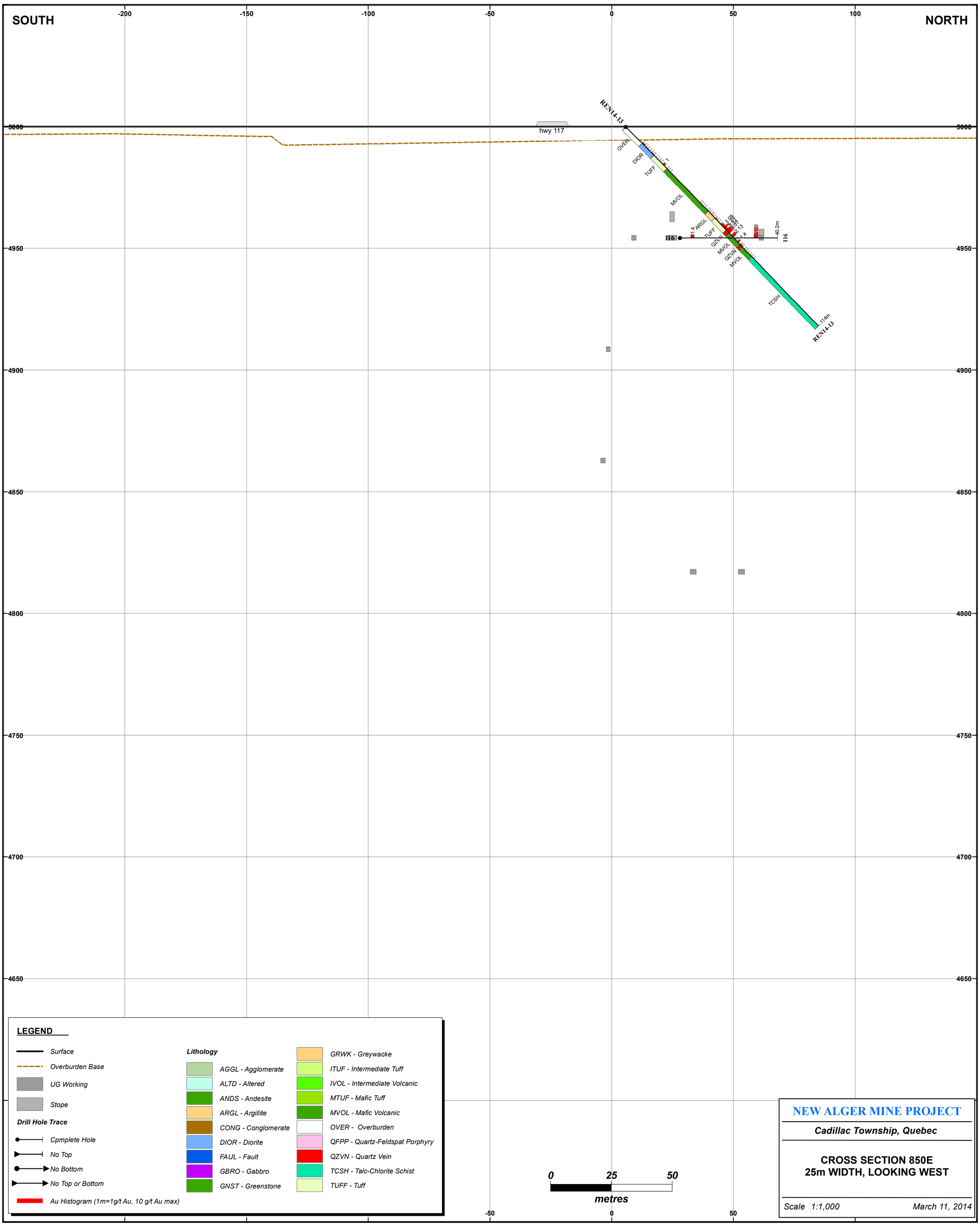
***Cadillac Township, Quebec***

**CROSS SECTION 875E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*




SOUTH NORTH




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

*0 25 50*

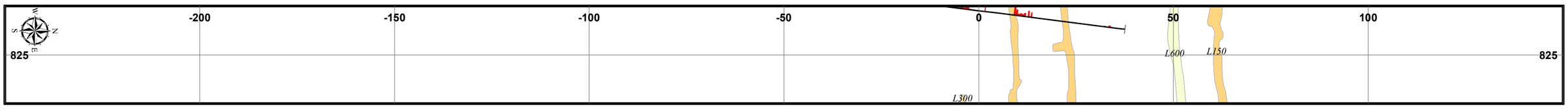
*metres*

**NEW ALGER MINE PROJECT**

***Cadillac Township, Quebec***

**CROSS SECTION 850E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*




SOUTH

NORTH

hwy 117

5000

4950

4900

4850

4800

4750

4700

4650

NA07-11 281.79m

ALTD 1.29

TUFF 4.08

IVOL

DIOR

IVOL 1.92 1.32

ALTD 1.59 1.25

IVOL

TUFF

GRWK

TCSH 372m

NA07-11

## LEGEND

- Surface
- Overburden Base
- UG Working
- Stope

**Drill Hole Trace**

- Cpmplete Hole
- No Top
- No Bottom
- No Top or Bottom
- Au Histogram (1m=1g/t Au, 10 g/t Au max)

**Lithology**

- AGGL - Agglomerate
- ALTD - Altered
- ANDS - Andesite
- ARGL - Argillite
- CONG - Conglomerate
- DIOR - Diorite
- FAUL - Fault
- GBRO - Gabbro
- GNST - Greenstone
- GRWK - Greywacke
- ITUF - Intermediate Tuff
- IVOL - Intermediate Volcanic
- MTUF - Mafic Tuff
- MVOL - Mafic Volcanic
- OVER - Overburden
- QFPP - Quartz-Feldspat Porphyry
- QZVN - Quartz Vein
- TCSH - Talc-Chlorite Schist
- TUFF - Tuff

0 25 50

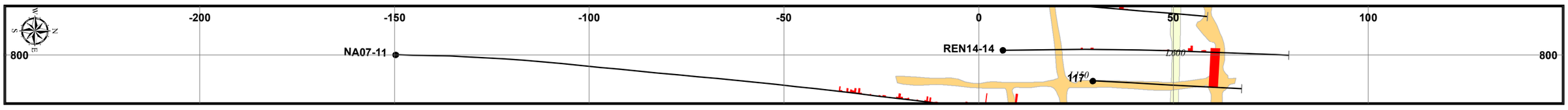
metres

# NEW ALGER MINE PROJECT

***Cadillac Township, Quebec***

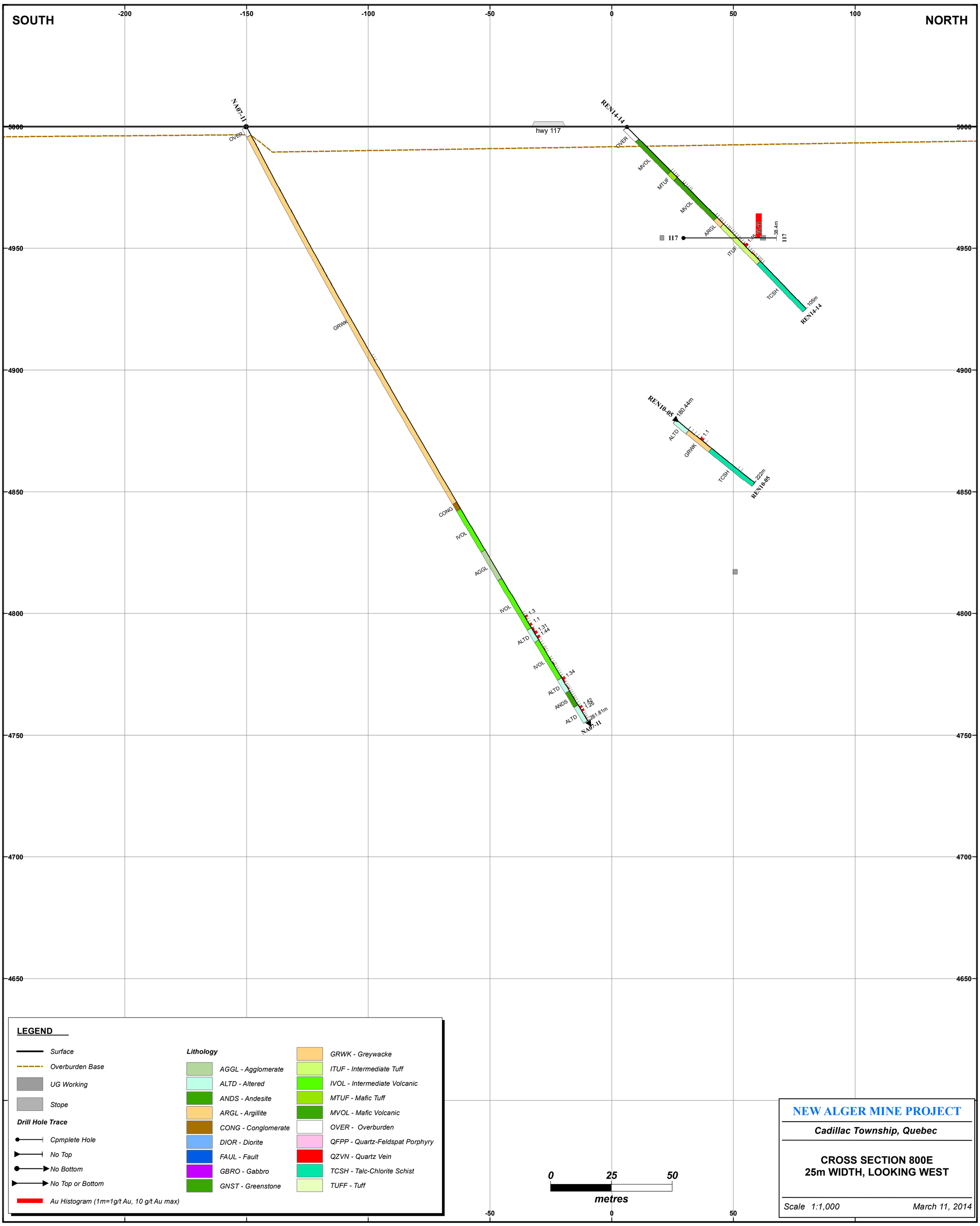
**CROSS SECTION 825E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*




SOUTH

NORTH




## LEGEND

- Surface
- Overburden Base
- UG Working
- Stope

**Drill Hole Trace**

- Cpmplete Hole
- No Top
- No Bottom
- No Top or Bottom
- Au Histogram (1m=1g/t Au, 10 g/t Au max)

**Lithology**

- AGGL - Agglomerate
- ALTD - Altered
- ANDS - Andesite
- ARGL - Argillite
- CONG - Conglomerate
- DIOR - Diorite
- FAUL - Fault
- GBRO - Gabbro
- GNST - Greenstone
- GRWK - Greywacke
- ITUF - Intermediate Tuff
- IVOL - Intermediate Volcanic
- MTUF - Mafic Tuff
- MVOL - Mafic Volcanic
- OVER - Overburden
- QFPP - Quartz-Feldspat Porphyry
- QZVN - Quartz Vein
- TCSH - Talc-Chlorite Schist
- TUFF - Tuff

0 25 50

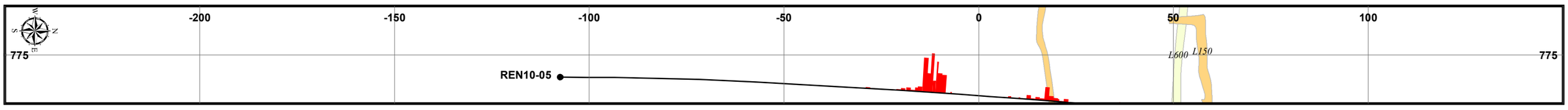
metres

# NEW ALGER MINE PROJECT

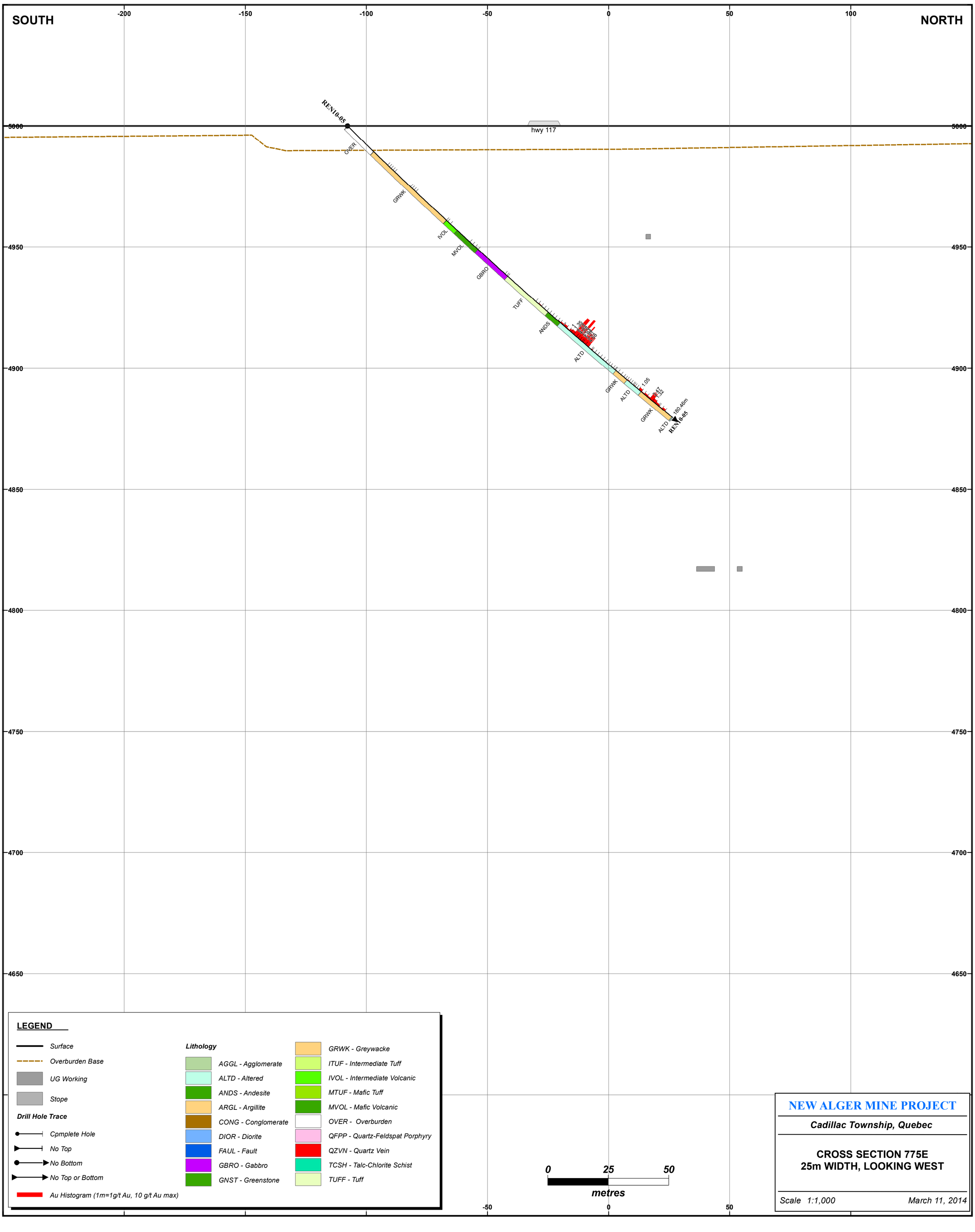
**Cadillac Township, Quebec**

**CROSS SECTION 800E**
**25m WIDTH, LOOKING WEST**

Scale 1:1,000 March 11, 2014




SOUTH NORTH




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

*0 25 50*

*metres*

**NEW ALGER MINE PROJECT**

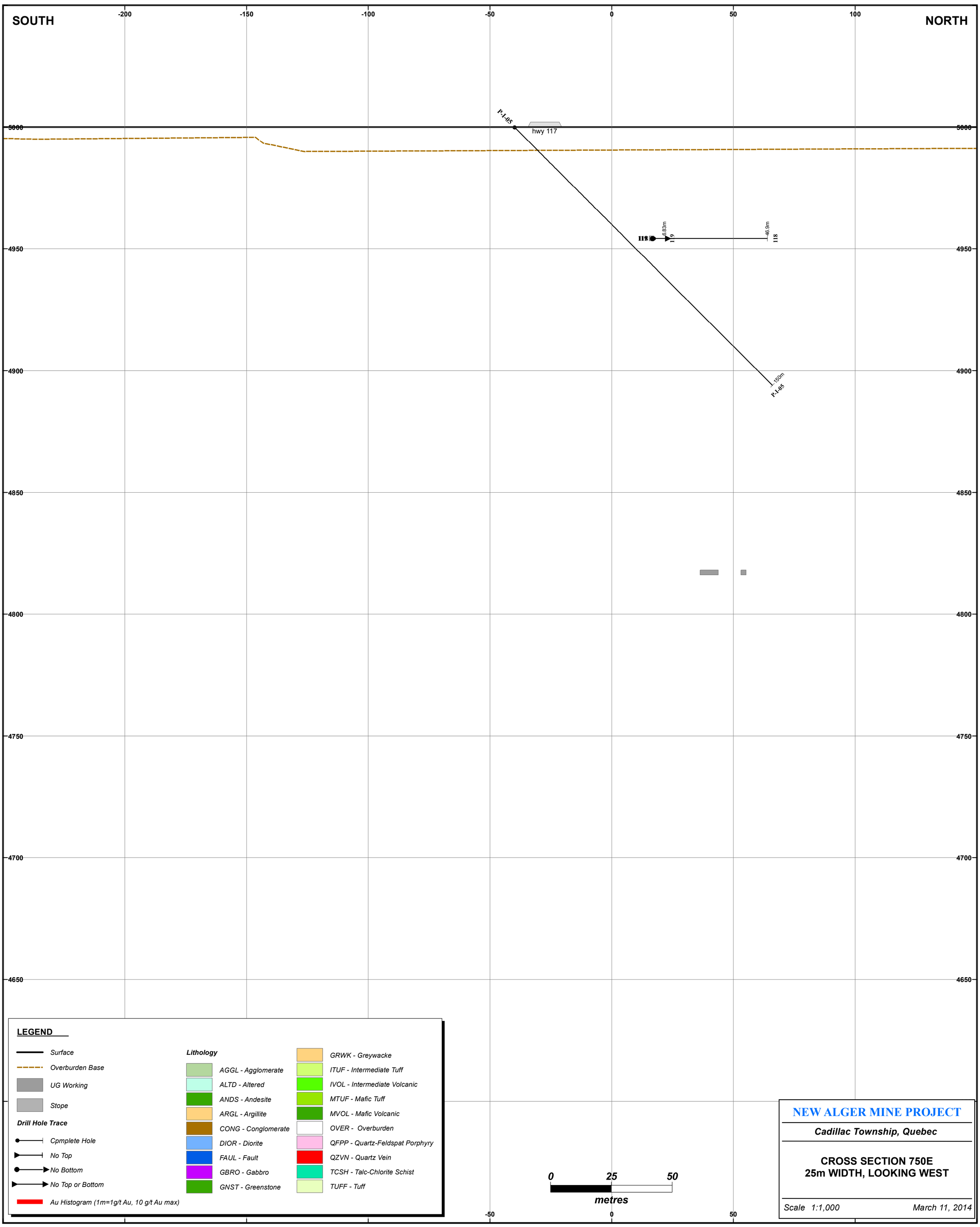
***Cadillac Township, Quebec***

**CROSS SECTION 775E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*


SOUTH

NORTH




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

*0 25 50*

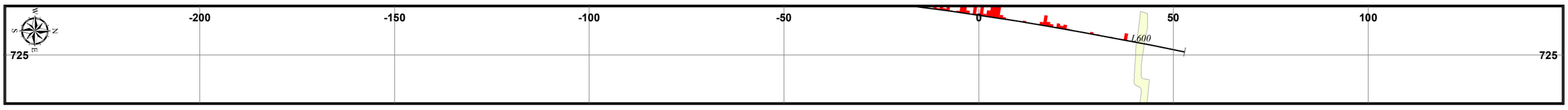
***metres***

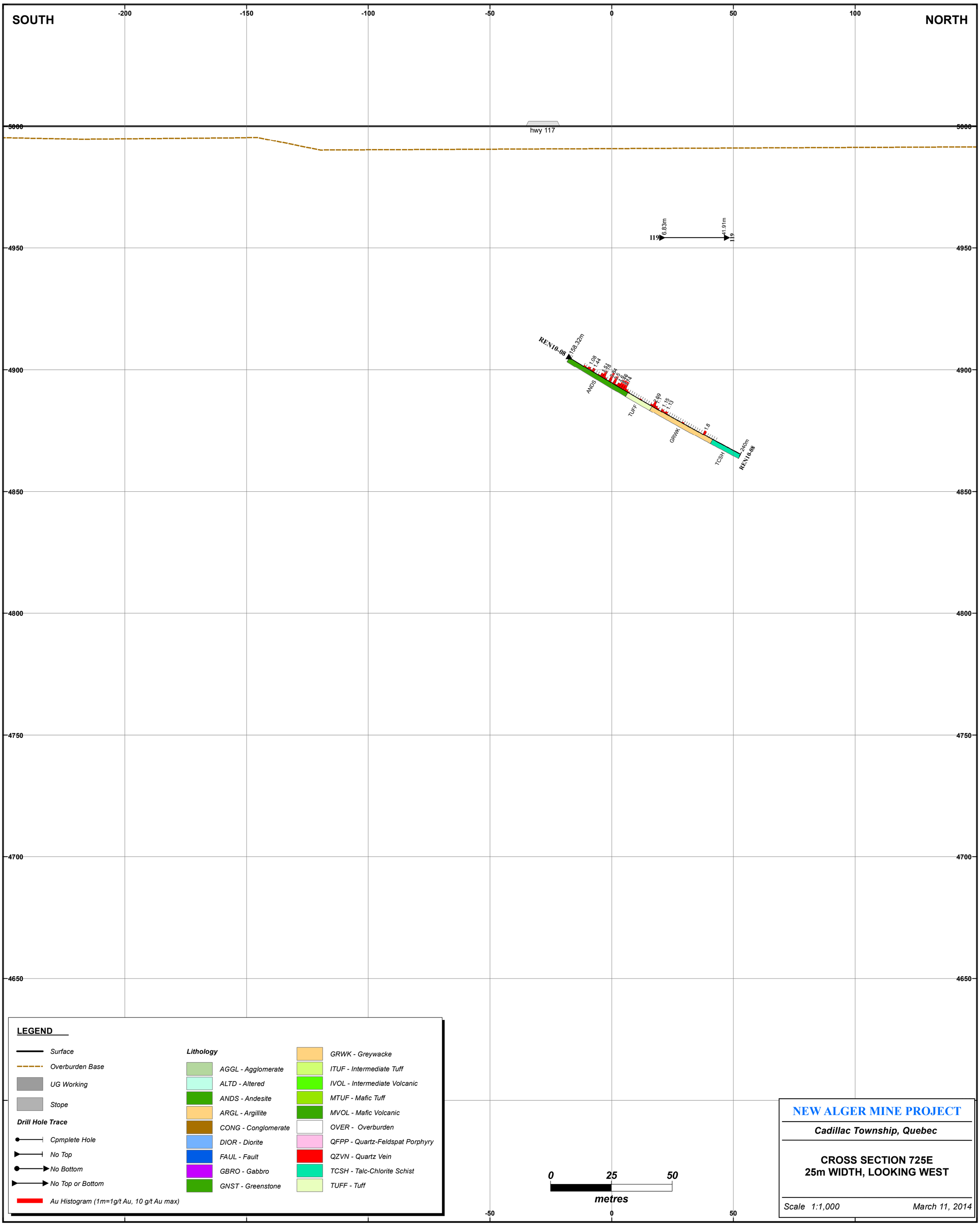
**NEW ALGER MINE PROJECT**

***Cadillac Township, Quebec***

**CROSS SECTION 750E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *March 11, 2014*



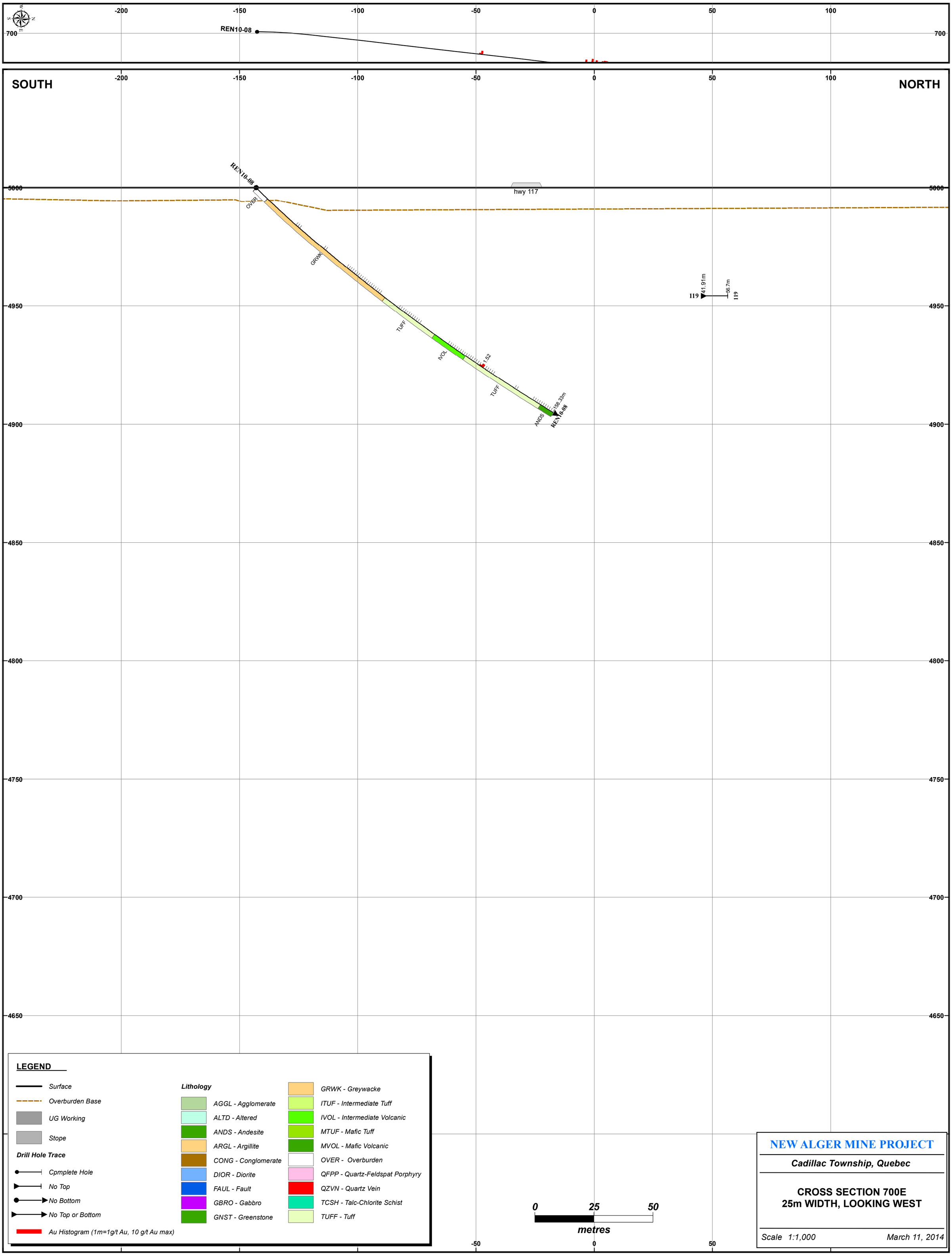



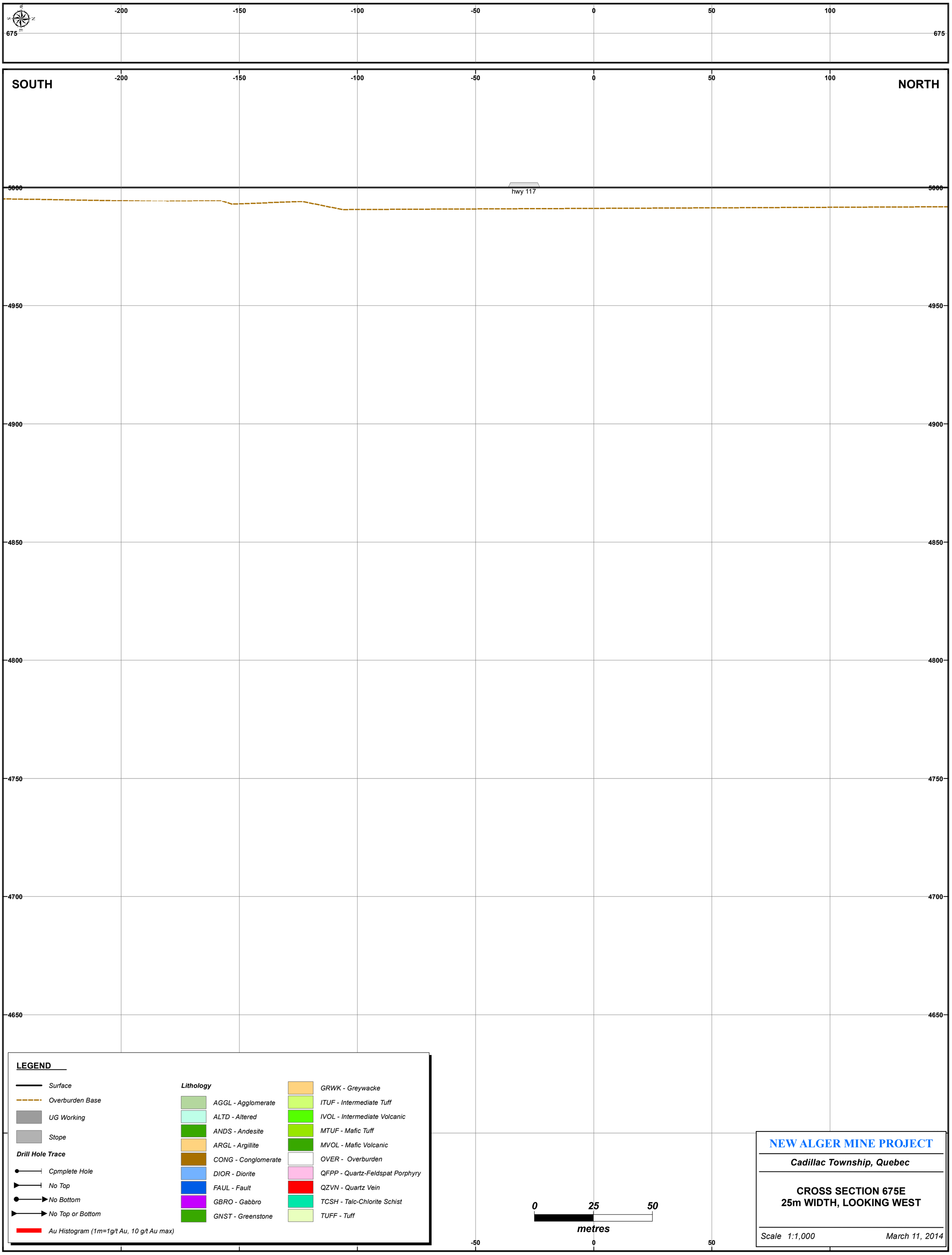

# NEW ALGER MINE PROJECT

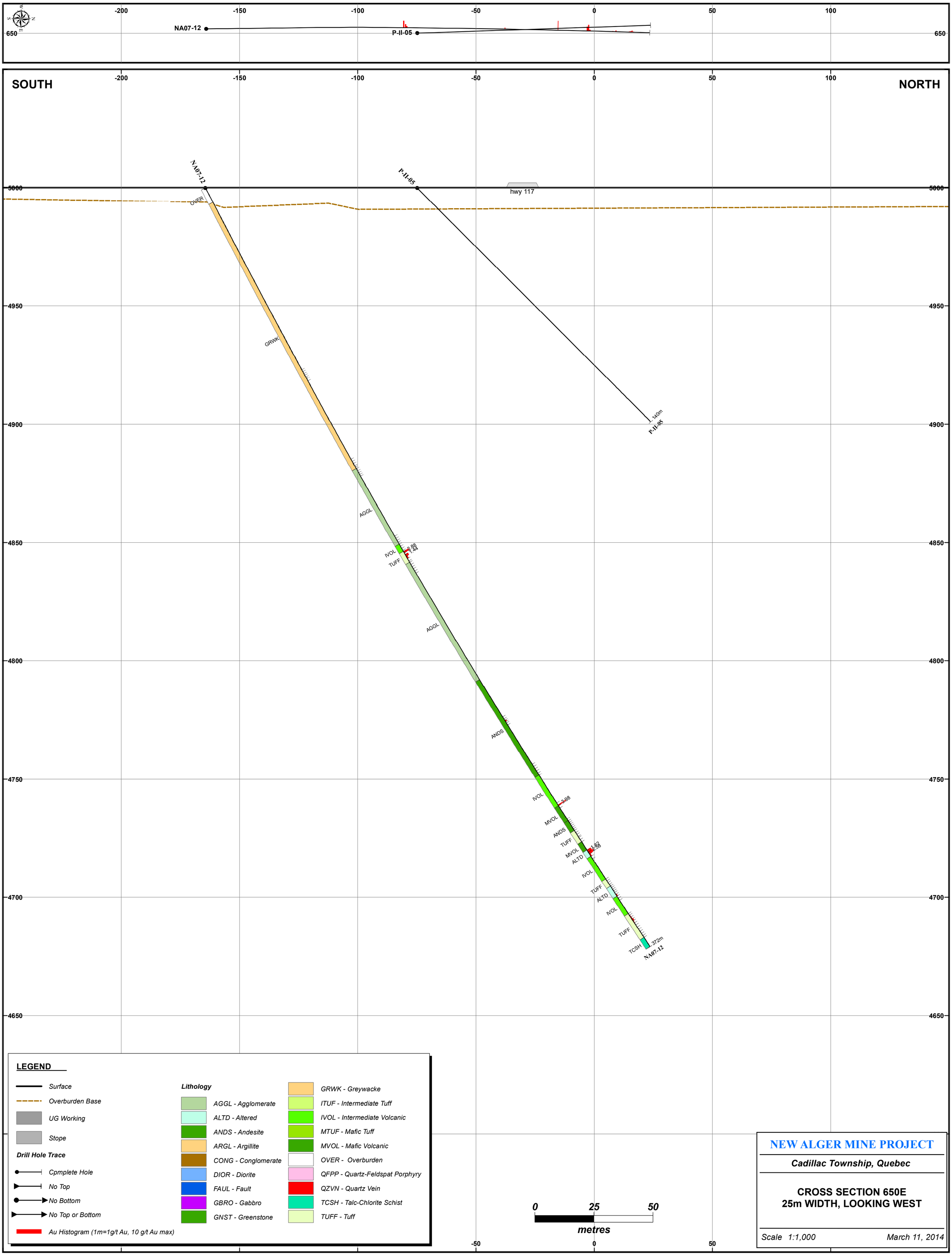
**Cadillac Township, Quebec**

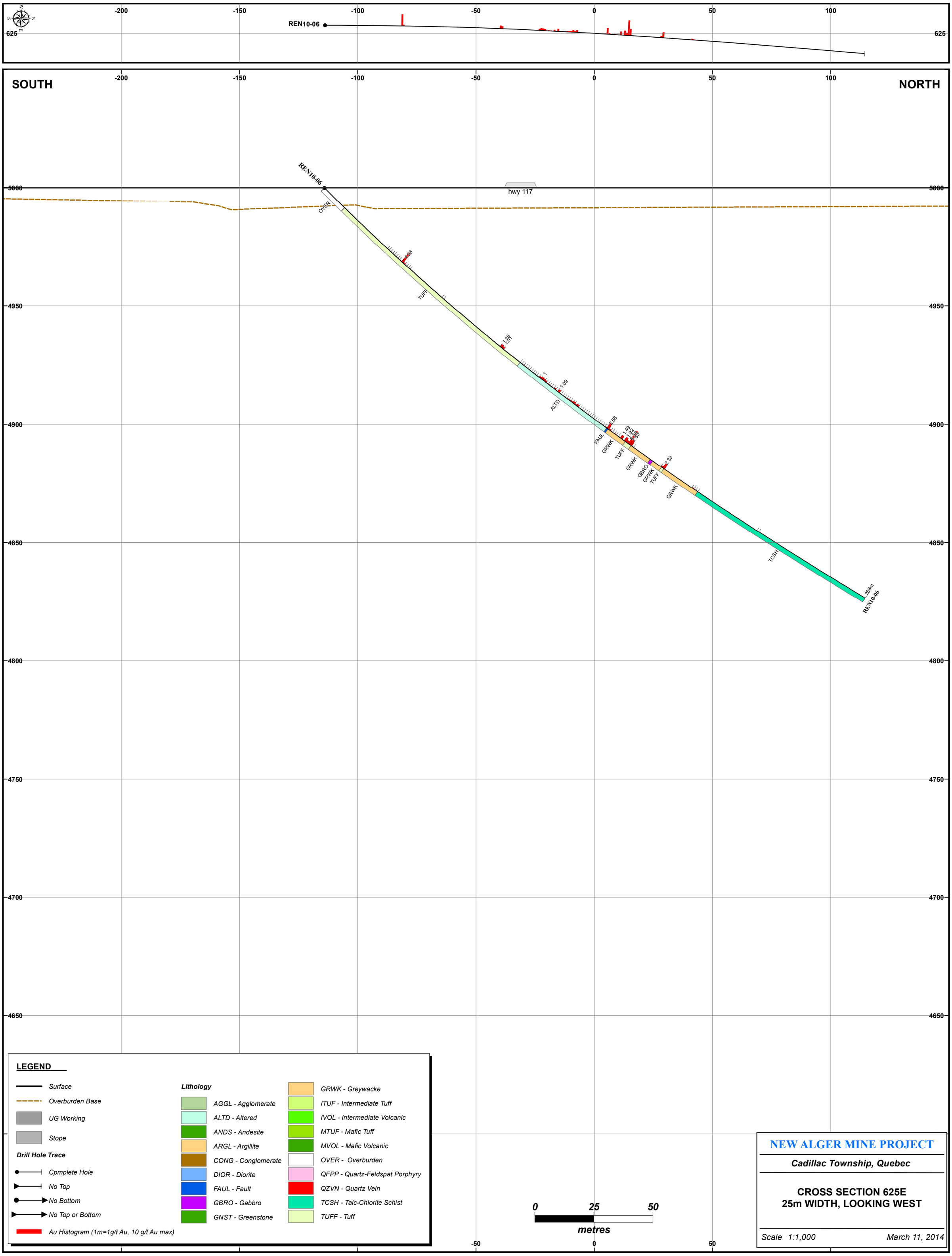
## CROSS SECTION 725E
## 25m WIDTH, LOOKING WEST

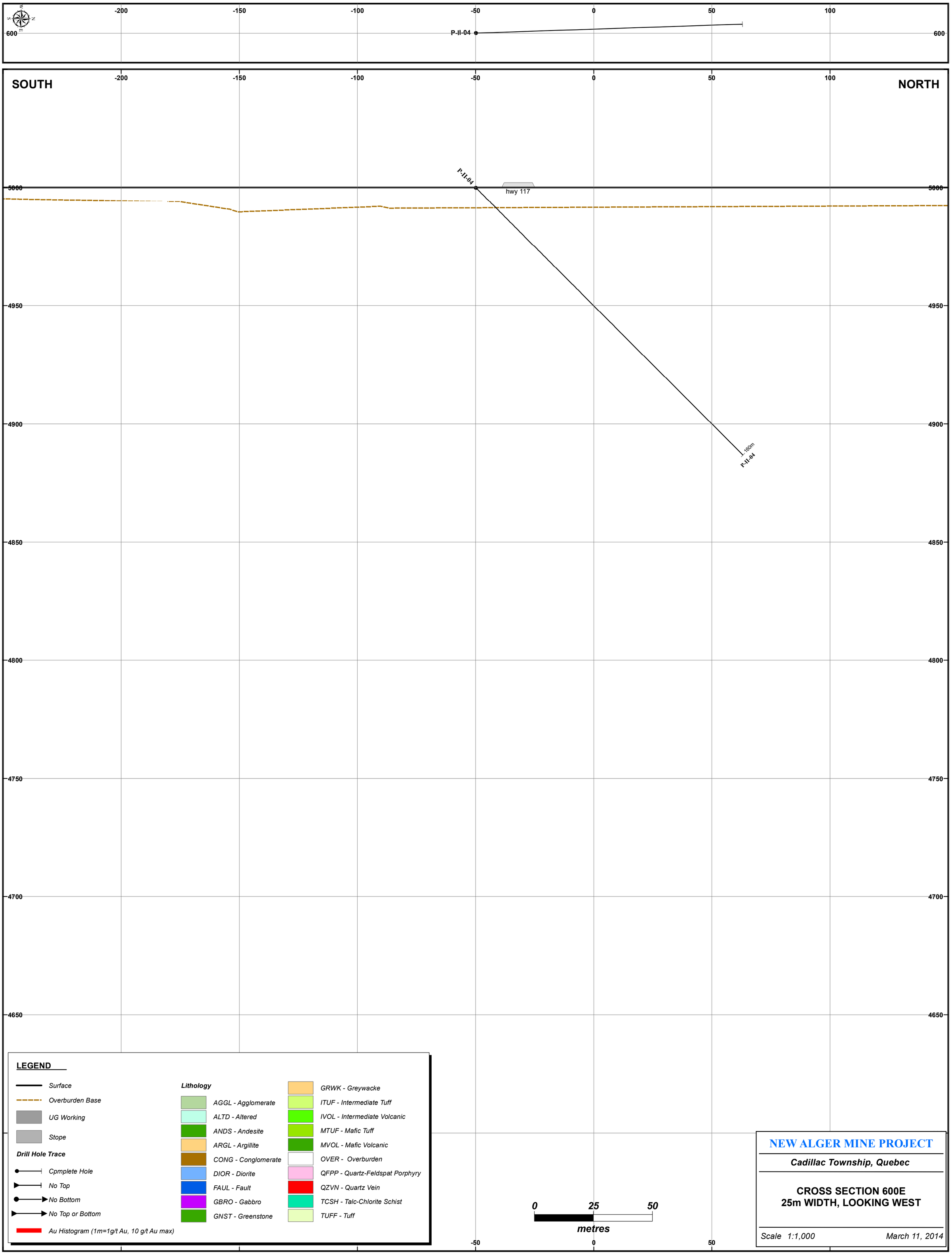
Scale 1:1,000 — March 11, 2014

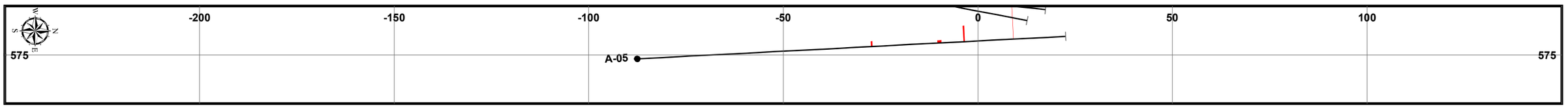

SOUTH
NORTH
-200
-150
-100
-50
0
50
100
700
REN10-08
5000
4950
4900
4850
4800
4750
4700
4650
hwy 117
OVER
GRWK
TUFF
IVOL
1.52
TUFF
ANDS
156.33m
REN10-08
119
41.91m
56.7m
119
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 700E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014

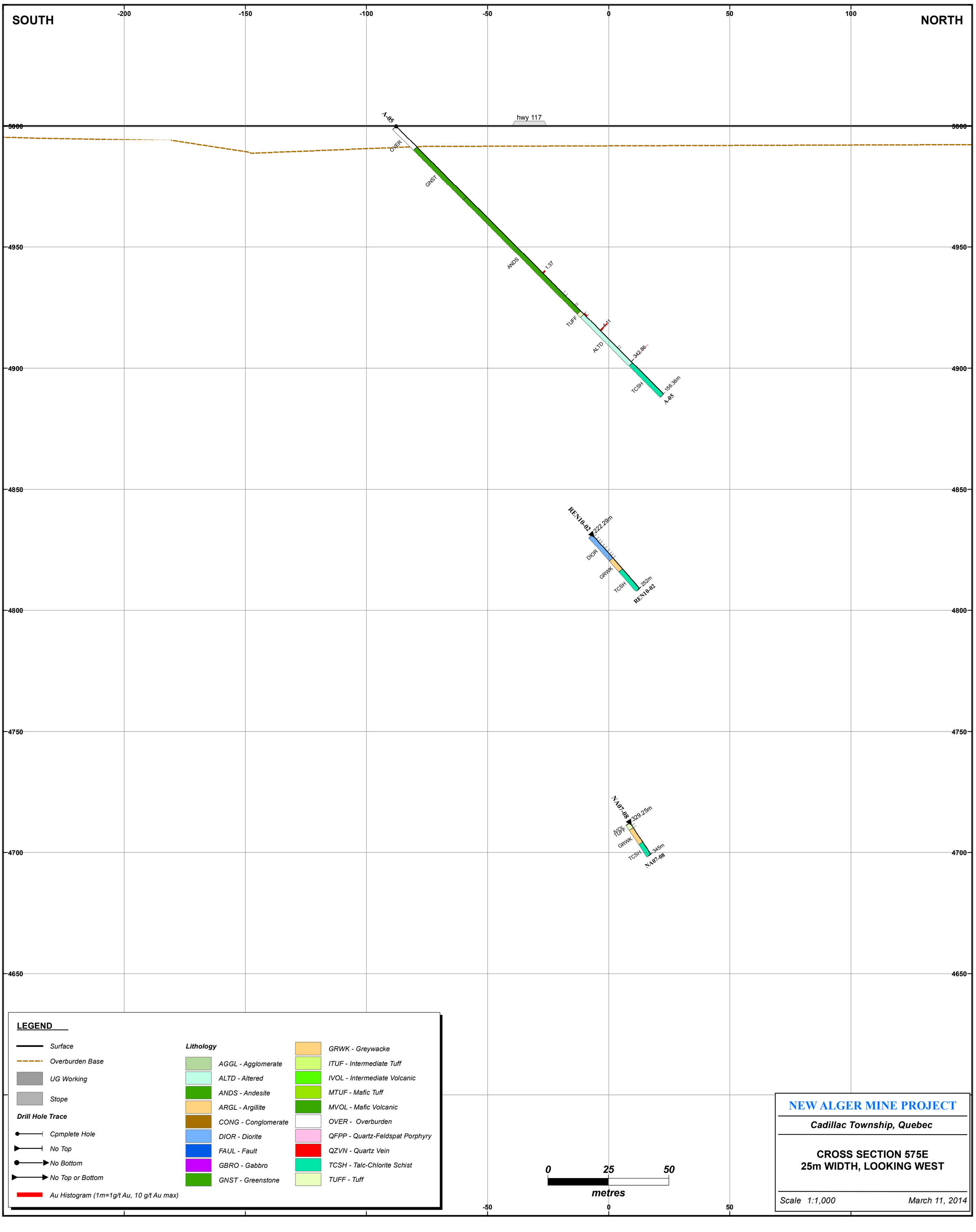

-200
-150
-100
-50
0
50
100
675
SOUTH
NORTH
5000
hwy 117
4950
4900
4850
4800
4750
4700
4650
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
-50
0
50
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 675E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014


-200
-150
-100
-50
0
50
100
650
NA07-12
P-II-05
SOUTH
NORTH
5000
4950
4900
4850
4800
4750
4700
4650
hwy 117
OVER
GRWK
ITUF
AGGL
IVOL
TUFF
ANDS
MVOL
ALTD
TCSH
140m
372m
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 650E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014


SOUTH
NORTH
-200
-150
-100
-50
0
50
100
625
REN10-06
5000
4950
4900
4850
4800
4750
4700
4650
hwy 117
OVER
TUFF
ALTD
FAUL
GRWK
GBRO
TCSH
1.08
1.37
1
1.09
2.58
1.49
1.92
2.33
298m
REN10-06
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 625E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014


-200
-150
-100
-50
0
50
100
600
P-II-04
SOUTH
NORTH
5000
4950
4900
4850
4800
4750
4700
4650
hwy 117
160m
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 600E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

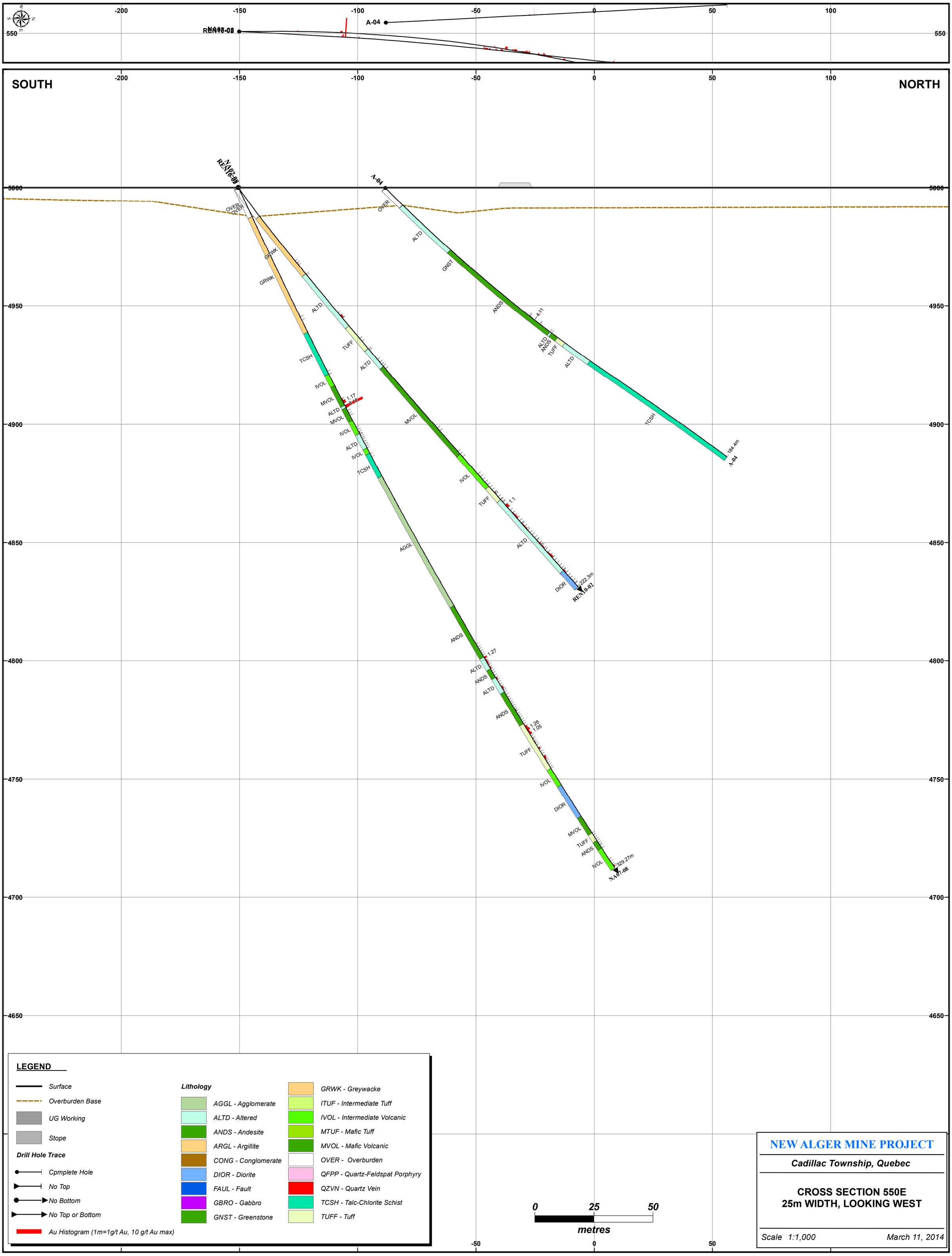
- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

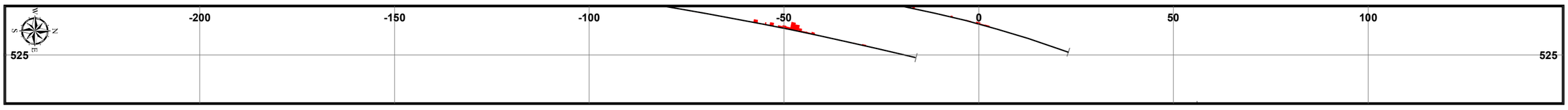
**NEW ALGER MINE PROJECT**

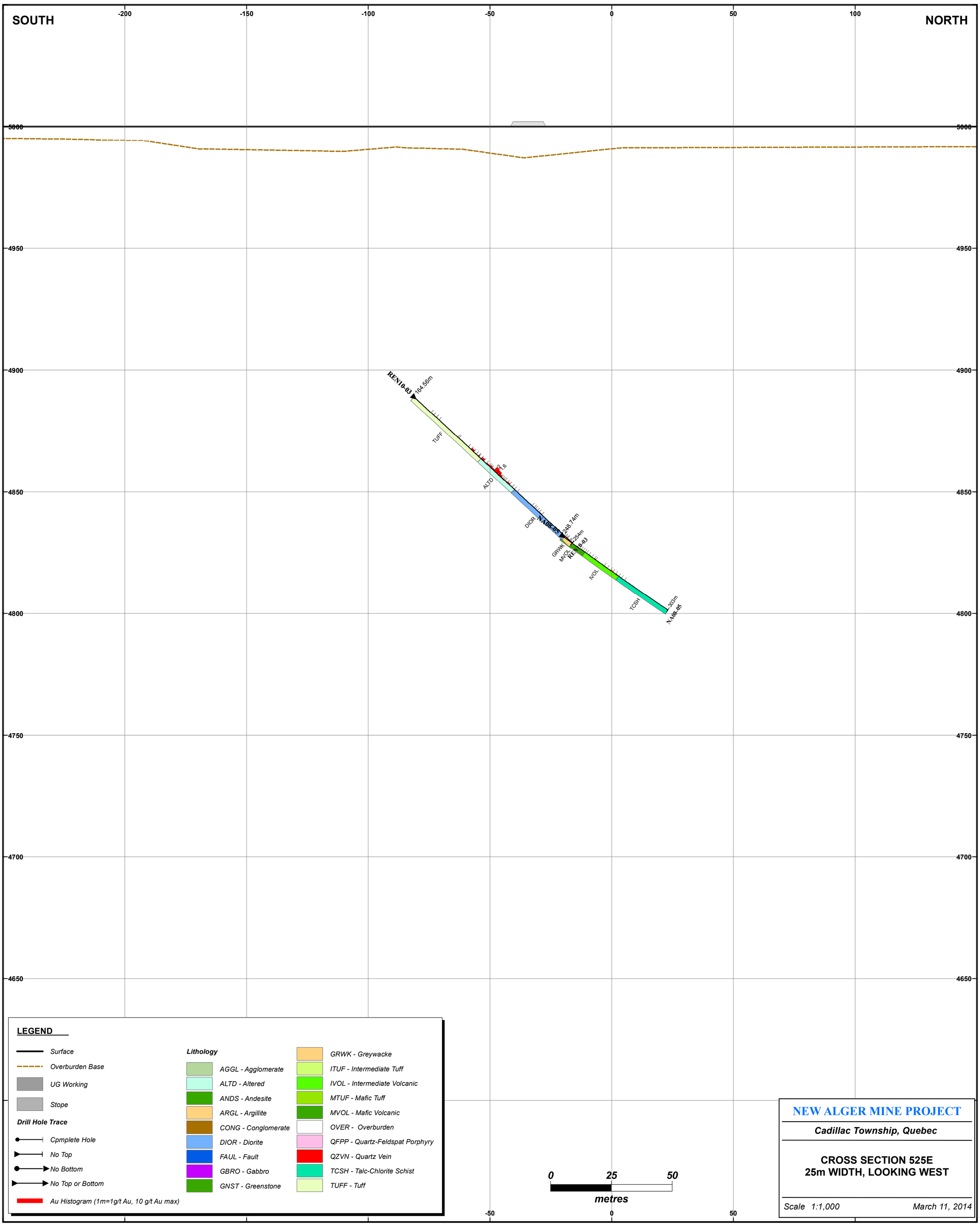
***Cadillac Township, Quebec***

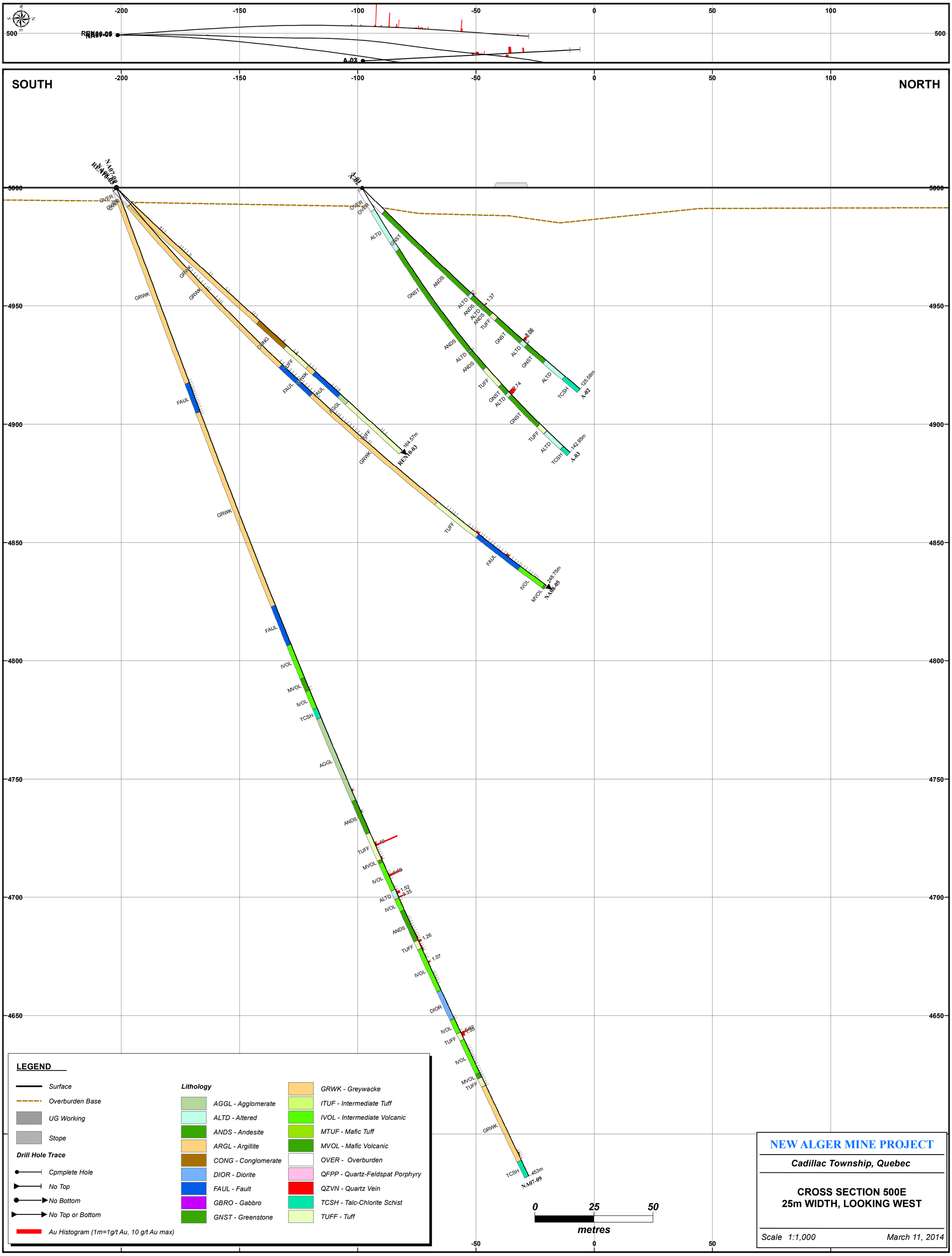
**CROSS SECTION 575E**
**25m WIDTH, LOOKING WEST**

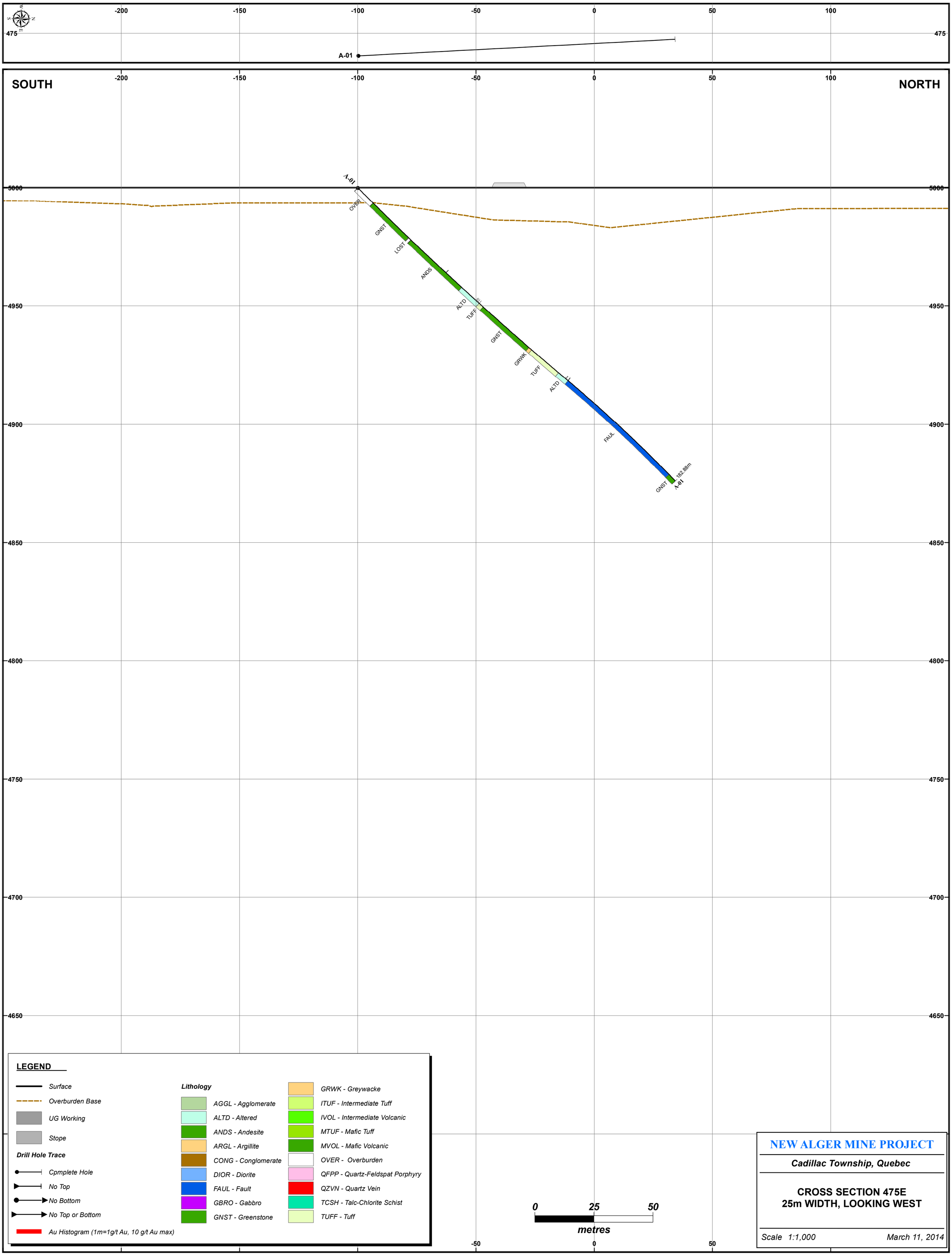
*Scale 1:1,000* *March 11, 2014*

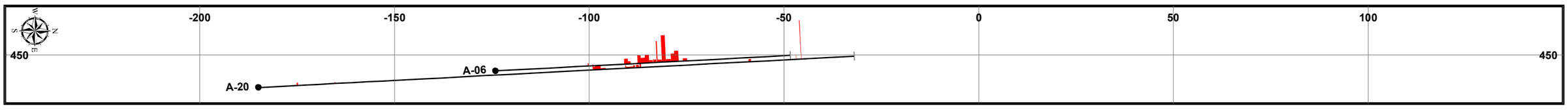

SOUTH
NORTH
-200
-150
-100
-50
0
50
100
550
5000
4950
4900
4850
4800
4750
4700
4650
A-04
OVER
GRWK
ALTD
TUFF
TCSH
IVOL
MVOL
1.17
0.48
GNST
ANDS
4.11
1.1
222.3m
RENT0-02
AGGL
1.27
1.26
1.05
329.27m
NA07-08
184.4m
A-04
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 550E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014

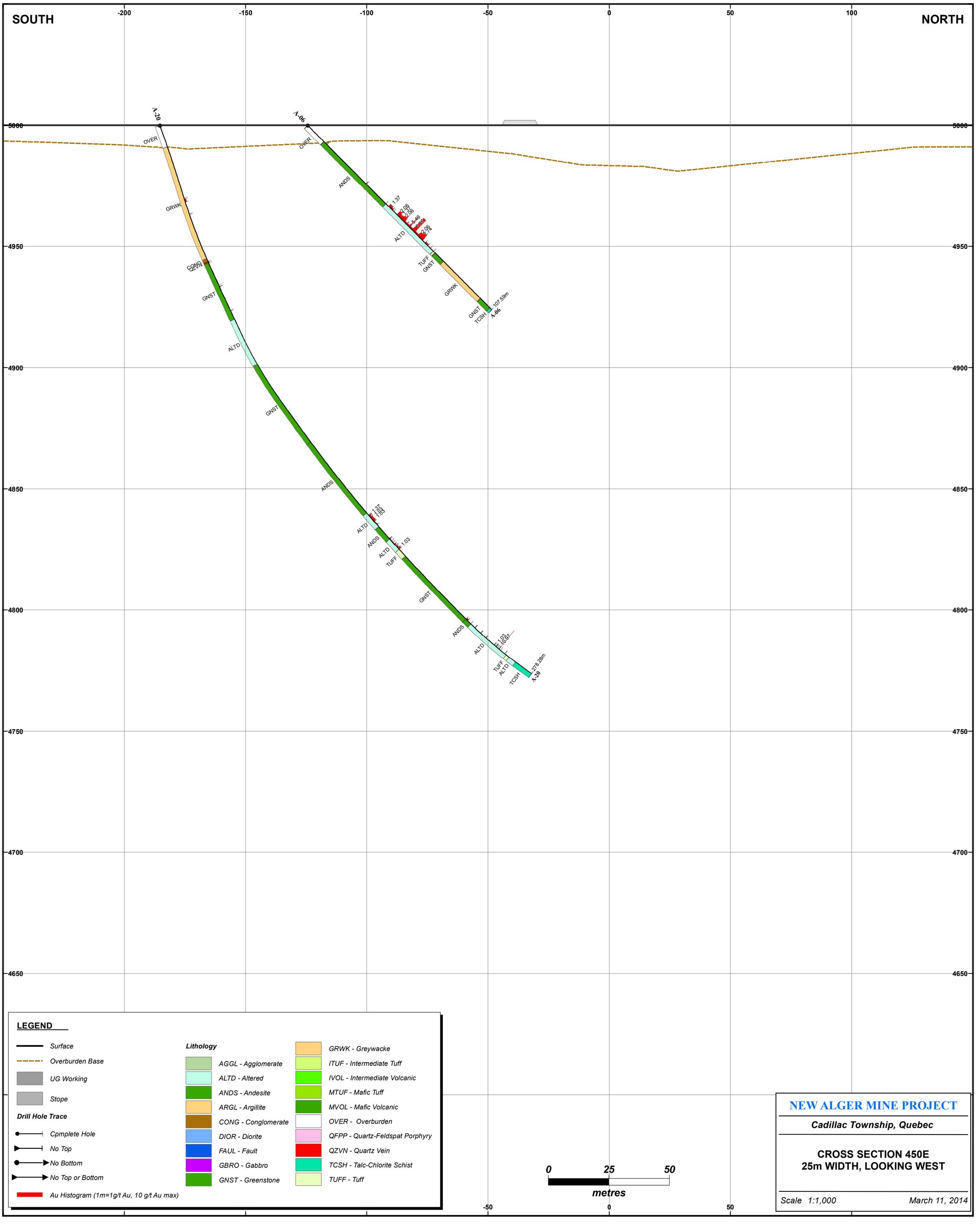

-200
-150
-100
-50
0
50
100
525
525


SOUTH
NORTH
-200
-150
-100
-50
0
50
100
5000
4950
4900
4850
4800
4750
4700
4650
REN10-03
164.56m
TUFF
ALTD
2.16
DIOR
NA08-03
248.74m
GRWK
MVOL
2.54m
REN10-03
IVOL
TCSH
303m
NA08-05
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
-50
0
50
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 525E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014


SOUTH
NORTH
-200
-150
-100
-50
0
50
100
500
5000
4950
4900
4850
4800
4750
4700
4650
RENO-05
NA07-09
A-03
A-02
RENO-03
NA08-05
NA07-09
OVER
ALTD
GNST
ANDS
TUFF
GRWK
CONG
FAUL
AGGL
IVOL
MVOL
TCSH
DIOR
1.37
8.06
2.74
125.58m
164.57m
142.95m
248.75m
453m
5.49
1.52
3.35
1.26
1.07
5.03
1.35
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 500E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014


-200
-150
-100
-50
0
50
100
475
A-01
SOUTH
NORTH
5000
4950
4900
4850
4800
4750
4700
4650
OVER
GNST
LOST
ANDS
ALTD
TUFF
GNST
GRWK
TUFF
ALTD
FAUL
GNST
182.88m
A-01
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 475E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014







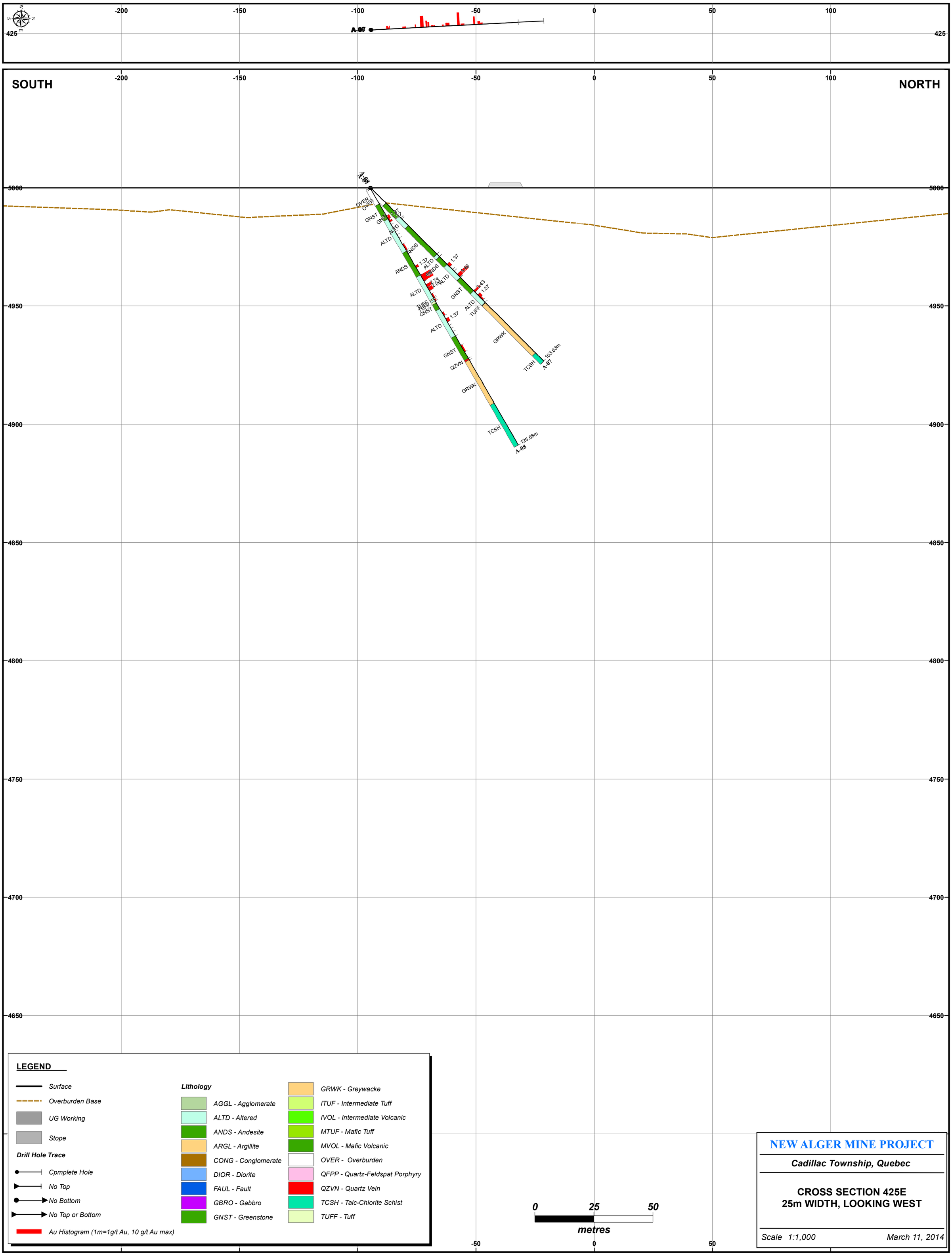


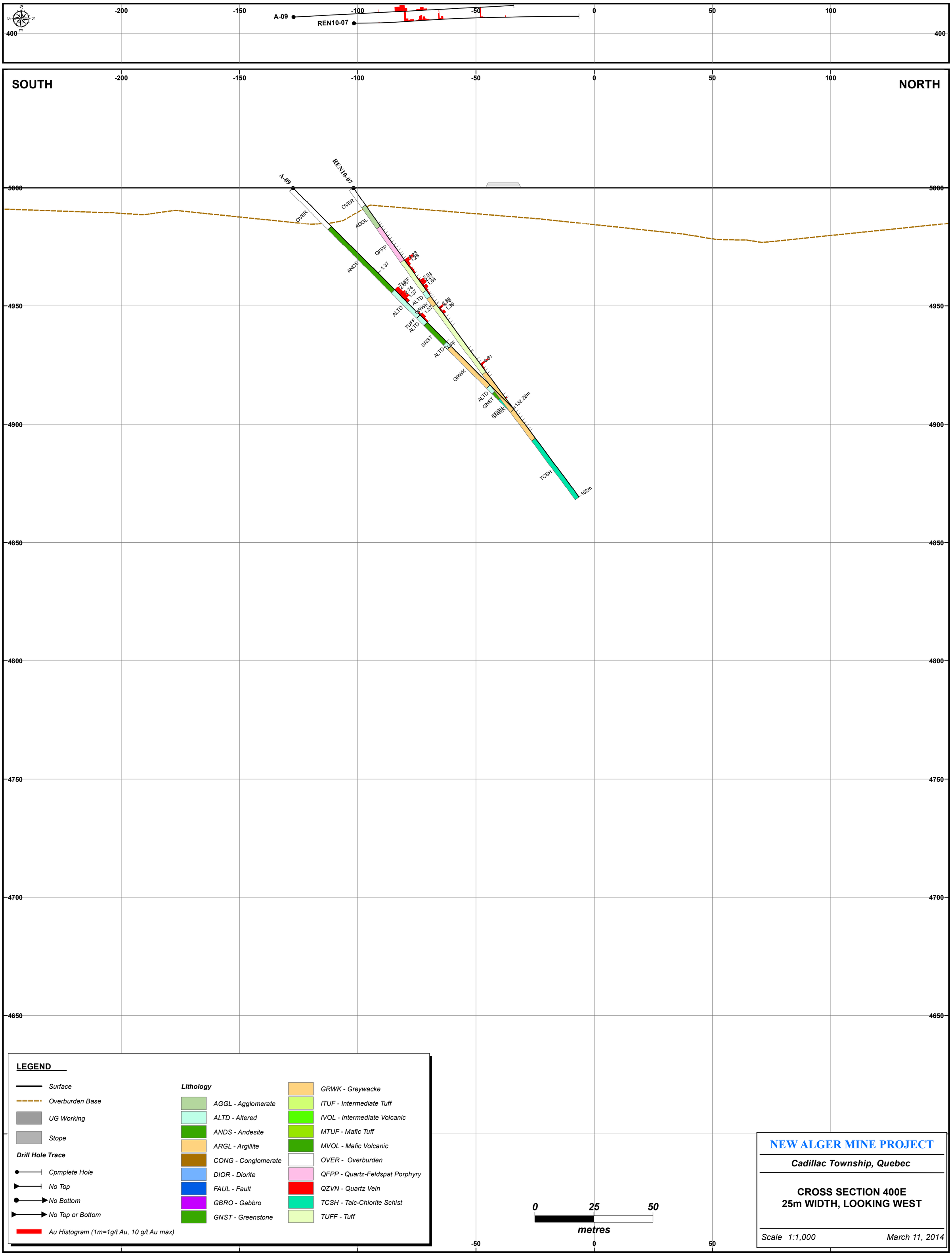

**NEW ALGER MINE PROJECT**

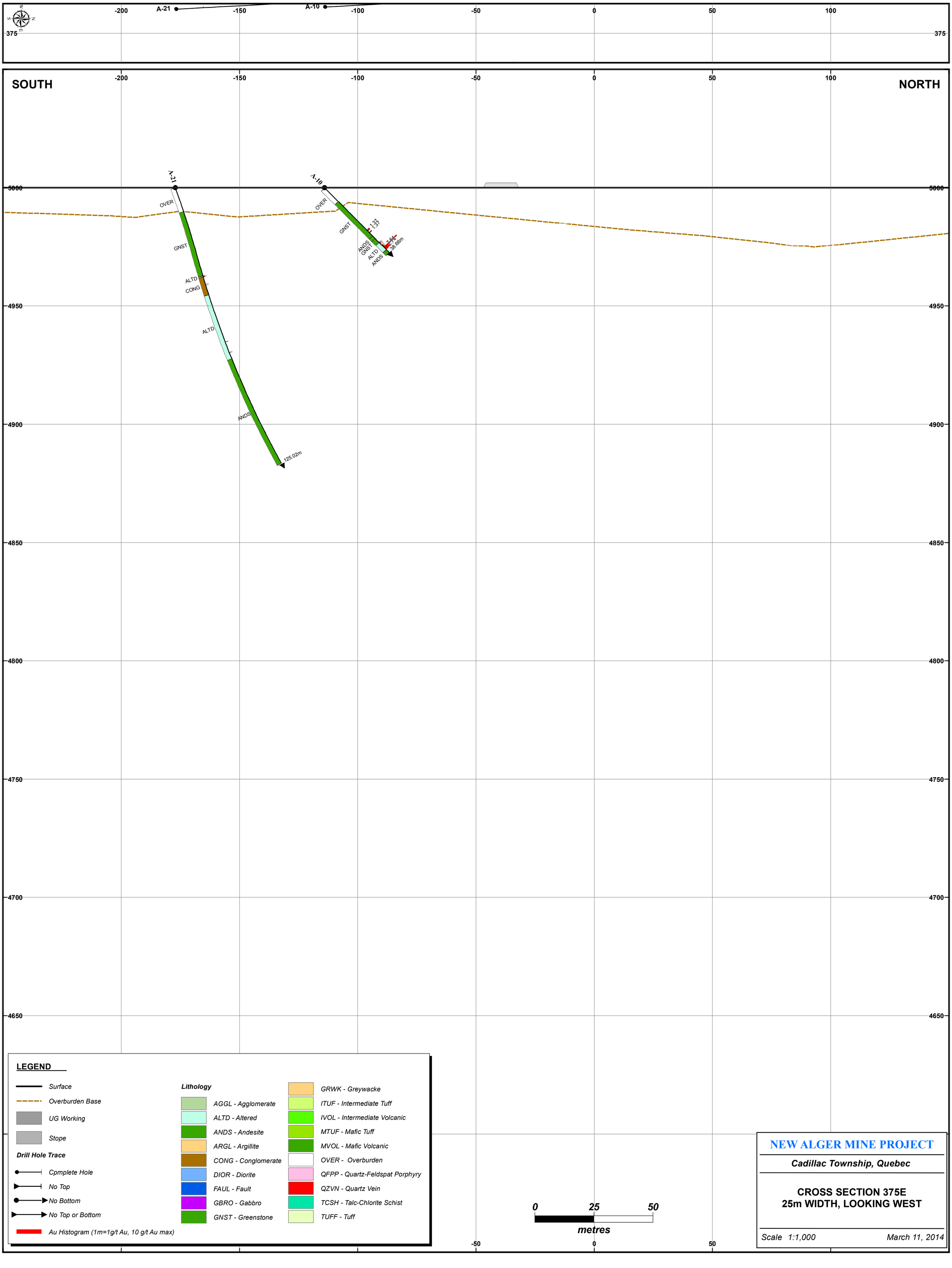
***Cadillac Township, Quebec***

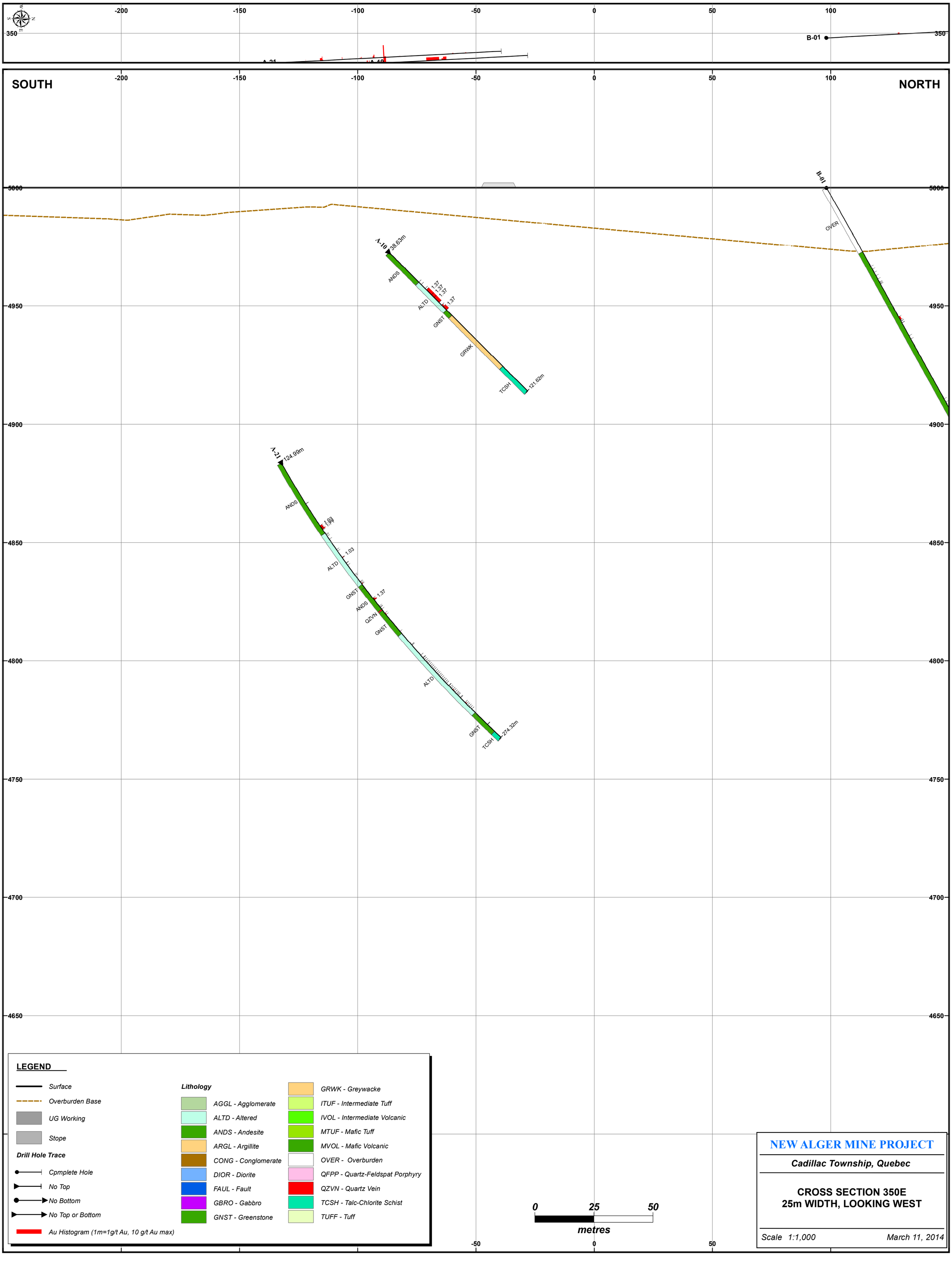
**CROSS SECTION 450E**
**25m WIDTH, LOOKING WEST**

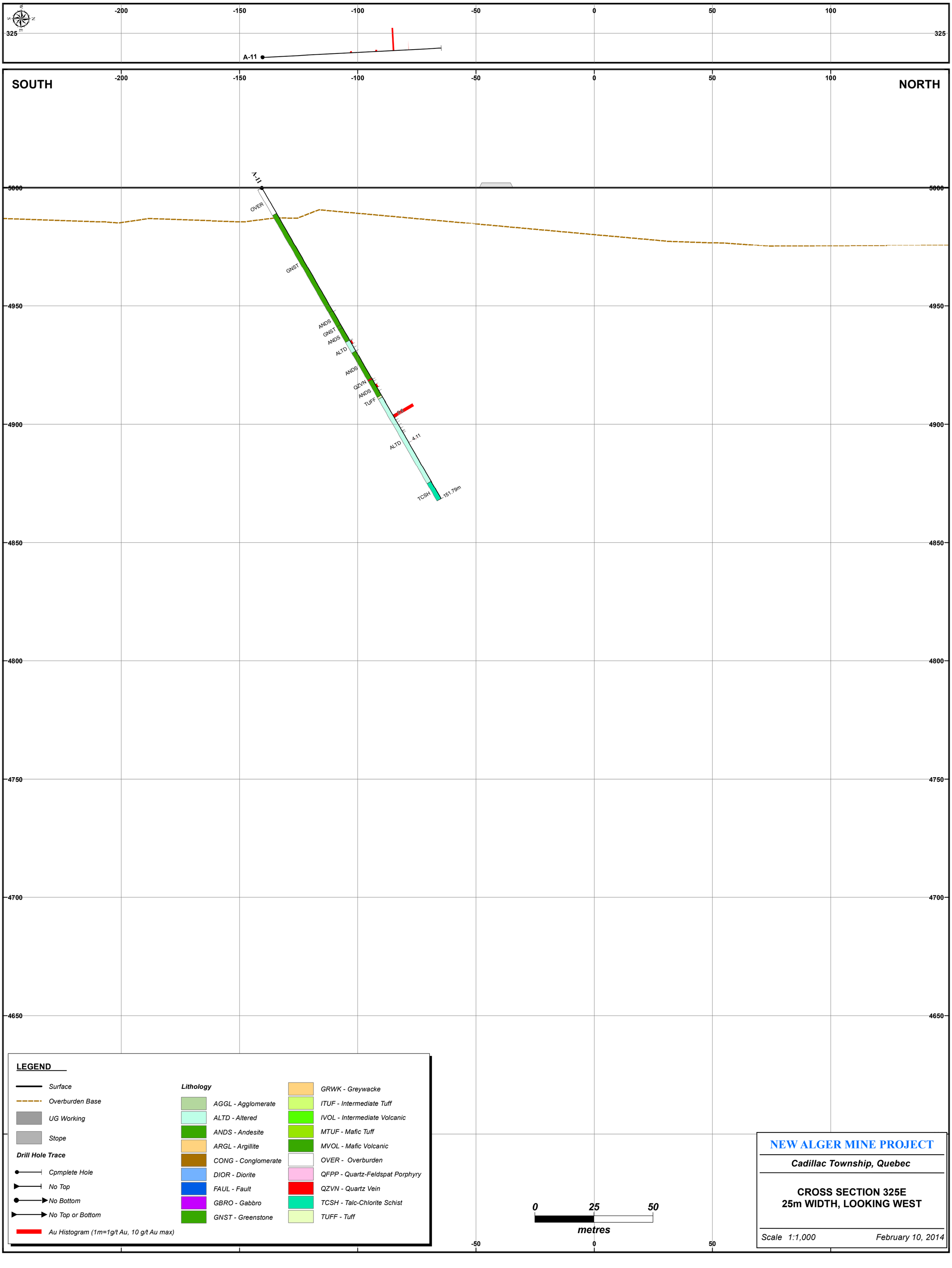
*Scale 1:1,000* *March 11, 2014*

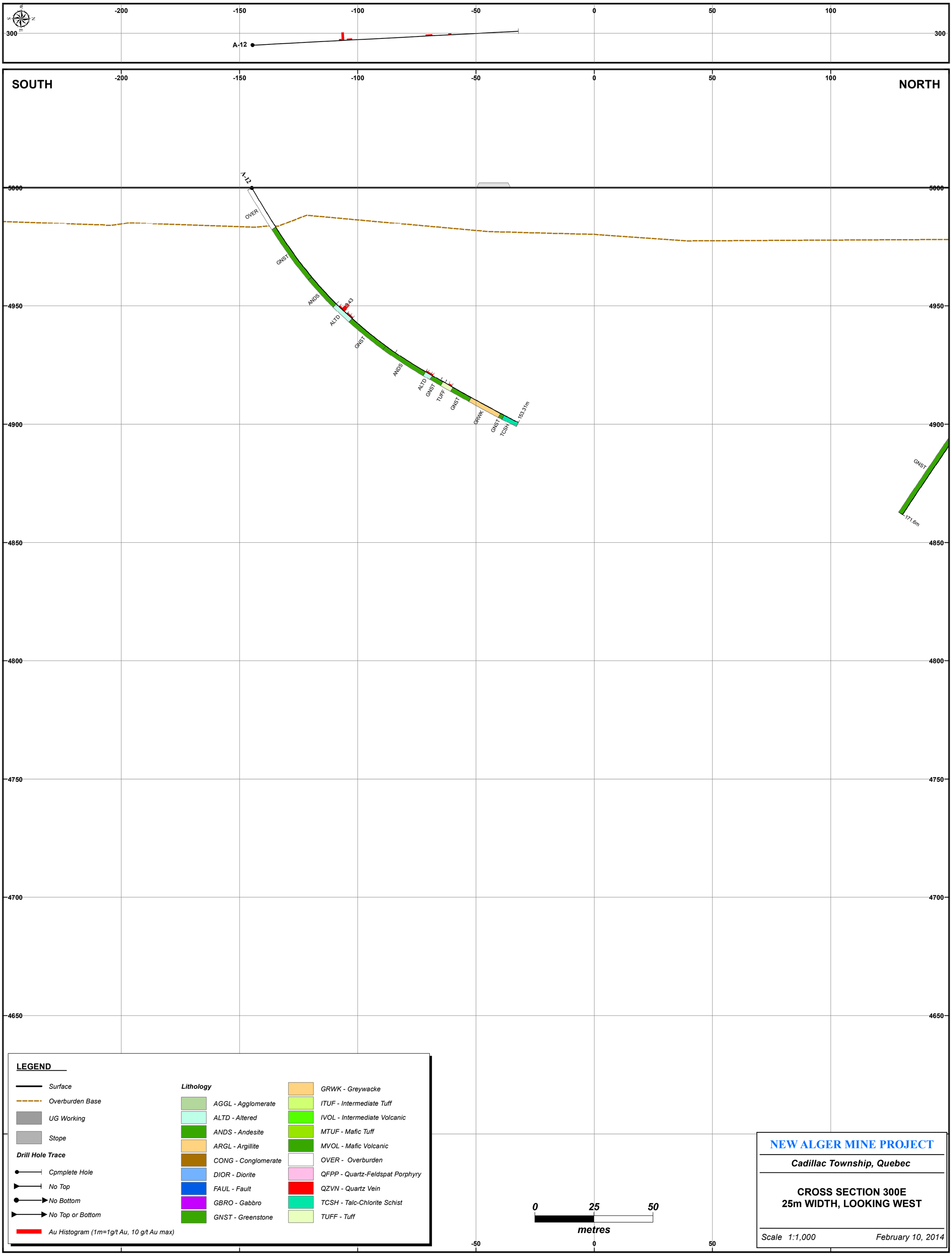

SOUTH
NORTH
-200
-150
-100
-50
0
50
100
425
5000
4950
4900
4850
4800
4750
4700
4650
A-07
A-08
OVER
GNST
ALTD
ANDS
ARGL
GRWK
TCSH
QZVN
TUFF
103.63m
125.58m
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 425E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014

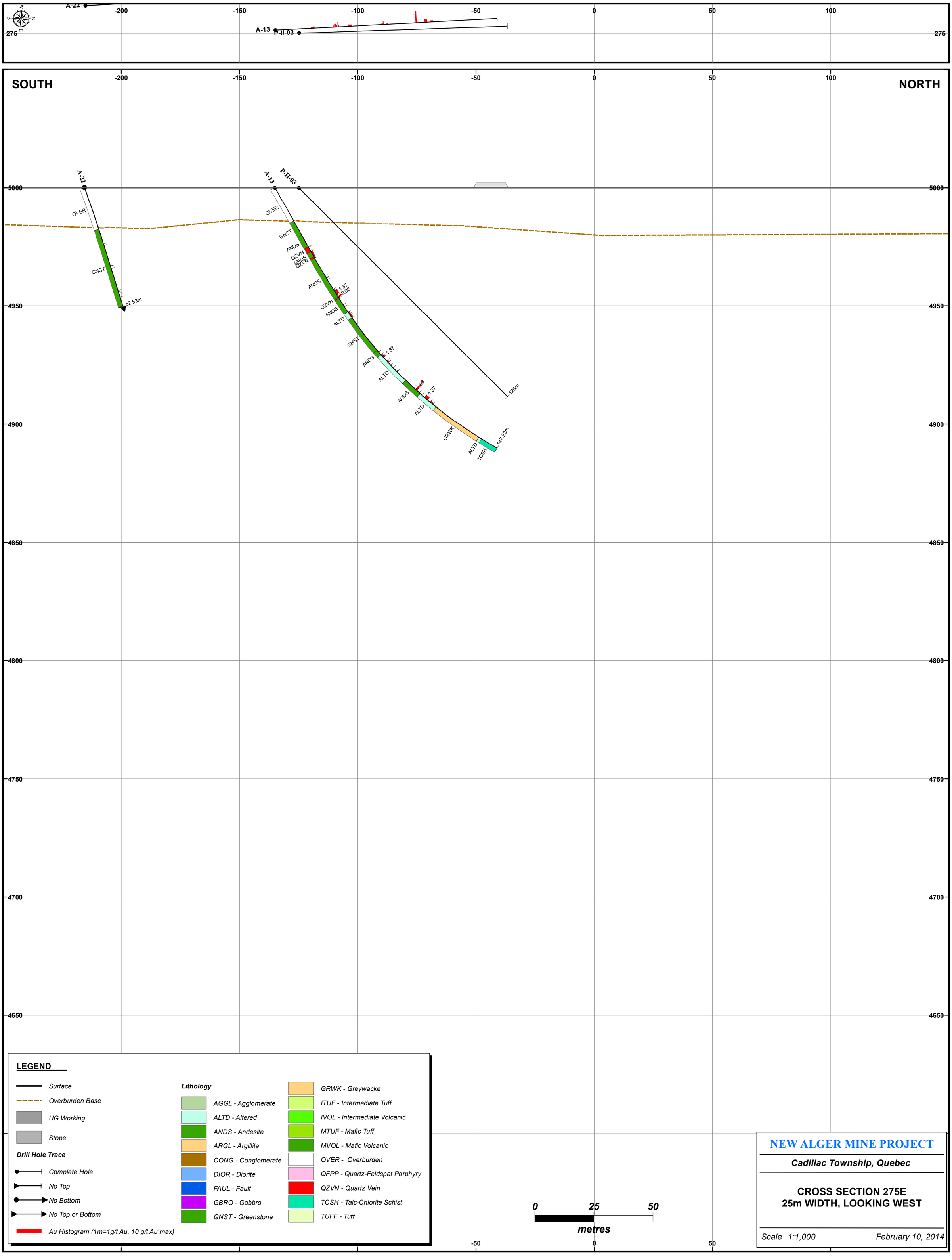

SOUTH
NORTH
-200
-150
-100
-50
0
50
100
A-09
REN10-07
5000
4950
4900
4850
4800
4750
4700
4650
OVER
AGGL
QFPP
ANDS
ALTD
TUFF
GRWK
GNST
TCSH
1.37
1.61
132.28m
162m
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 400E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014

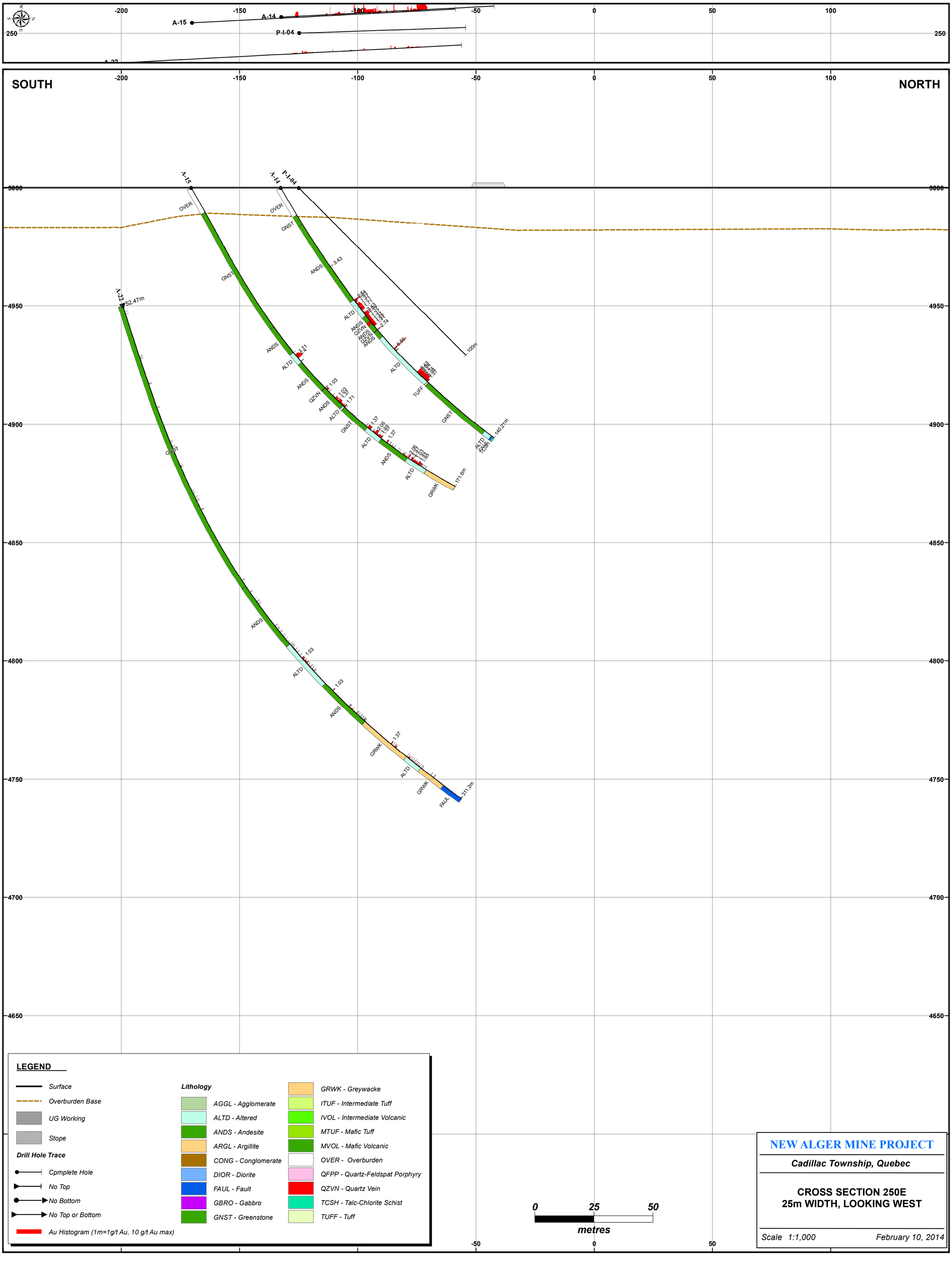

SOUTH
NORTH
-200
-150
-100
-50
0
50
100
375
5000
4950
4900
4850
4800
4750
4700
4650
A-21
A-10
OVER
GNST
ALTD
CONG
ANDS
125.02m
1.37
2.54
38.66m
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 375E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014

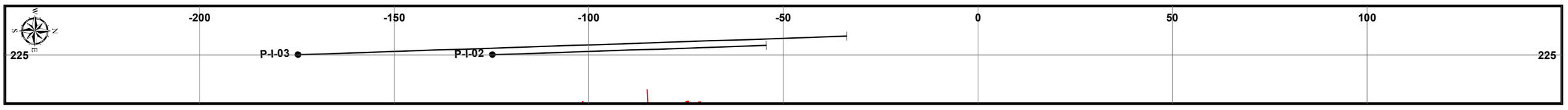

SOUTH
NORTH
-200
-150
-100
-50
0
50
100
350
5000
4950
4900
4850
4800
4750
4700
4650
B-01
A-10
38.63m
ANDS
1.37
1.37
1.37
1.37
ALTD
GNST
GRWK
TCSH
121.62m
OVER
A-21
124.99m
1.03
1.37
QZVN
274.32m
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 350E
25m WIDTH, LOOKING WEST
Scale 1:1,000
March 11, 2014


-200
-150
-100
-50
0
50
100
325
A-11
SOUTH
NORTH
5000
4950
4900
4850
4800
4750
4700
4650
OVER
GNST
ANDS
GNST
ANDS
ALTD
ANDS
QZVN
ANDS
TUFF
9.06
4.11
ALTD
TCSH
151.79m
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 325E
25m WIDTH, LOOKING WEST
Scale 1:1,000
February 10, 2014


SOUTH
NORTH
-200
-150
-100
-50
0
50
100
300
5000
4950
4900
4850
4800
4750
4700
4650
A-12
OVER
GNST
ANDS
ALTD
GNST
ANDS
ALTD
GNST
TUFF
GNST
GRWK
GNST
TCSH
153.31m
GNST
171.6m
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 300E
25m WIDTH, LOOKING WEST
Scale 1:1,000
February 10, 2014

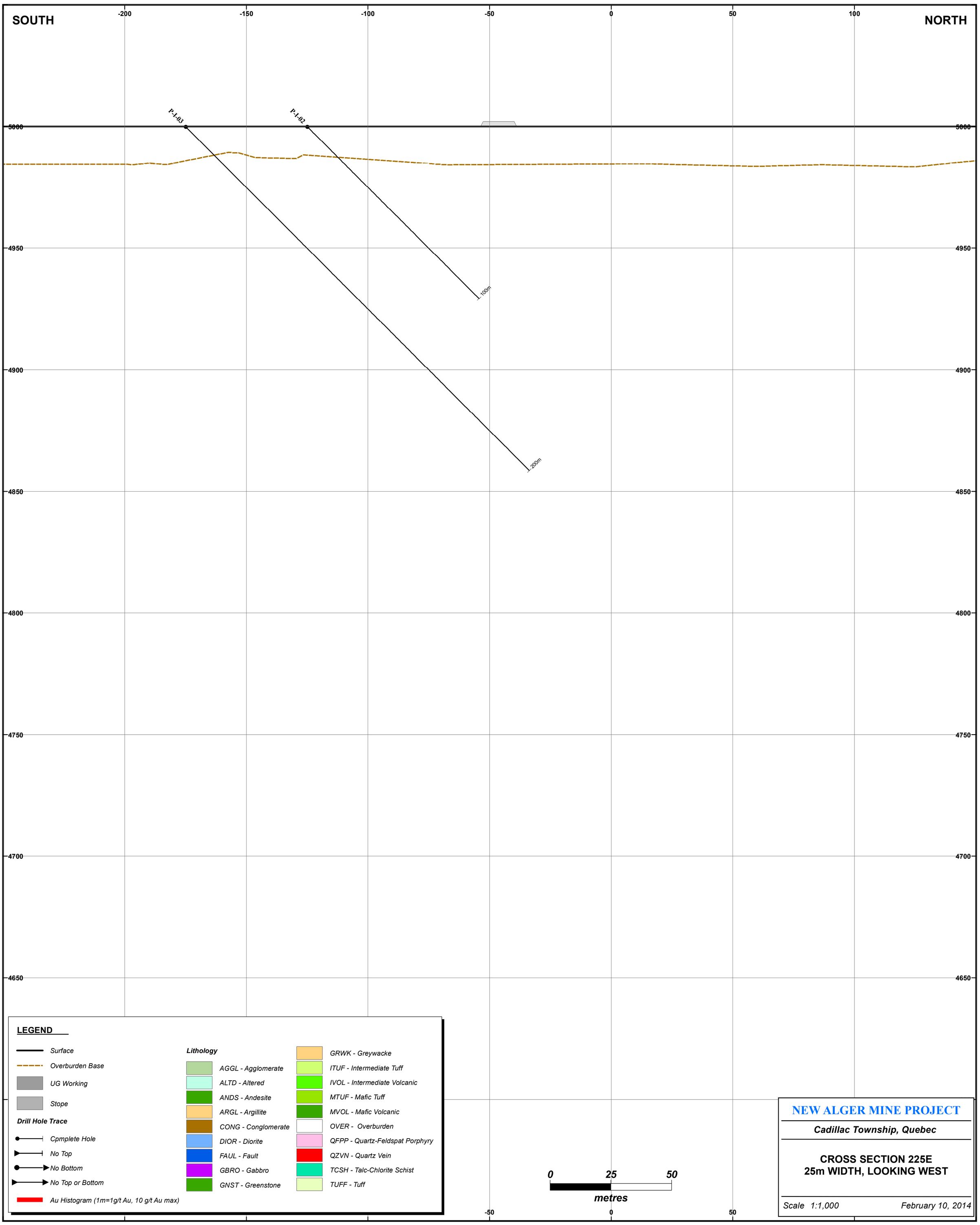

SOUTH
NORTH
-200
-150
-100
-50
0
50
100
275
A-22
A-13
P-II-03
5000
4950
4900
4850
4800
4750
4700
4650
OVER
GNST
ANDS
OZVN
ALTD
GRWK
TCSH
1.37
2.06
1.8
52.53m
125m
147.22m
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 275E
25m WIDTH, LOOKING WEST
Scale 1:1,000
February 10, 2014


SOUTH
NORTH
-200
-150
-100
-50
0
50
100
250
5000
4950
4900
4850
4800
4750
4700
4650
A-15
A-14
P-I-04
A-22
OVER
GNST
ANDS
ALTD
QZVN
TUFF
GRWK
FAUL
TCSH
52.47m
100m
140.21m
171.6m
311.2m
3.43
2.74
6.86
4.71
1.03
1.37
2.06
1.89
1.38
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 250E
25m WIDTH, LOOKING WEST
Scale 1:1,000
February 10, 2014




SOUTH

NORTH




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

*0 25 50*

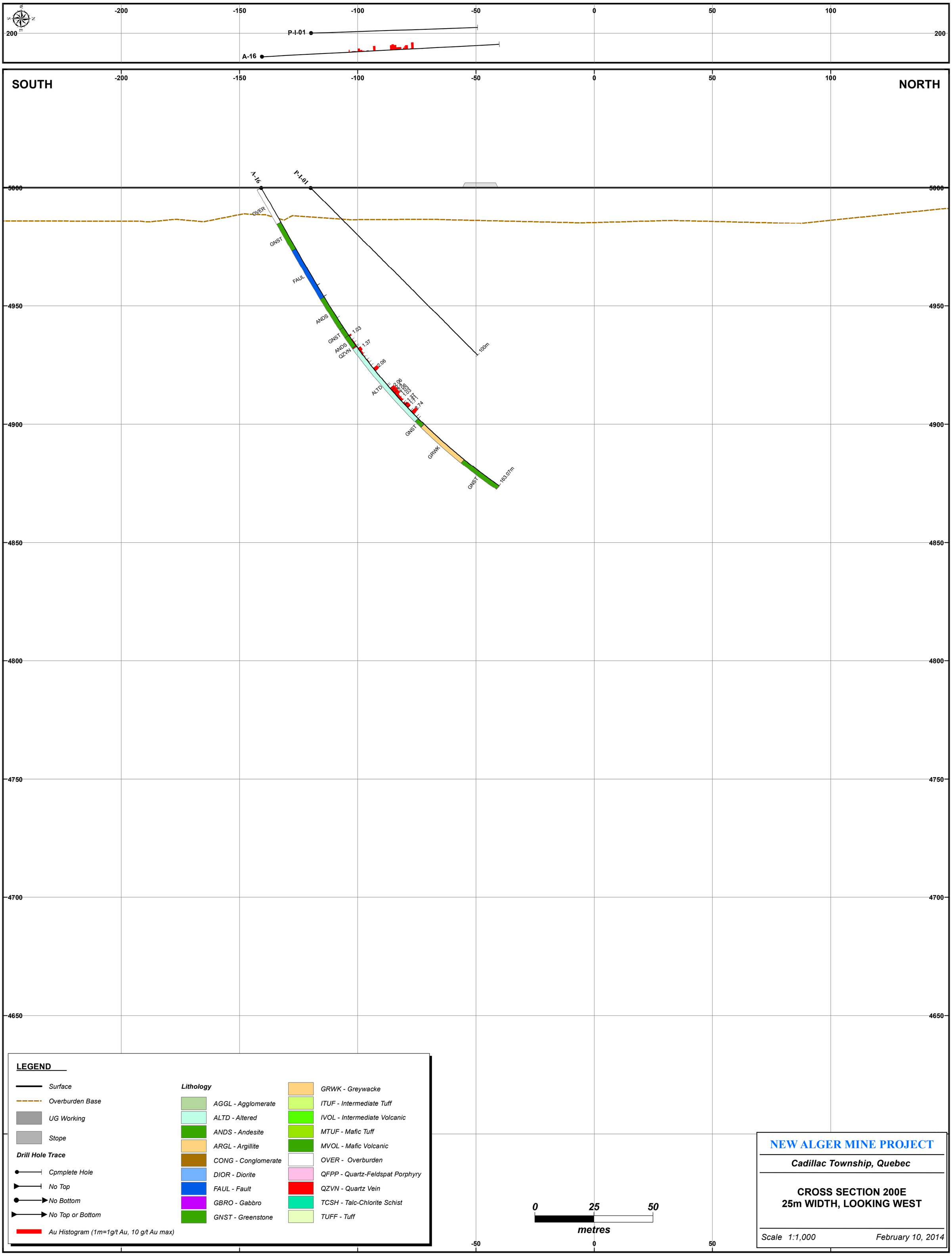
***metres***

# NEW ALGER MINE PROJECT

***Cadillac Township, Quebec***

**CROSS SECTION 225E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *February 10, 2014*




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

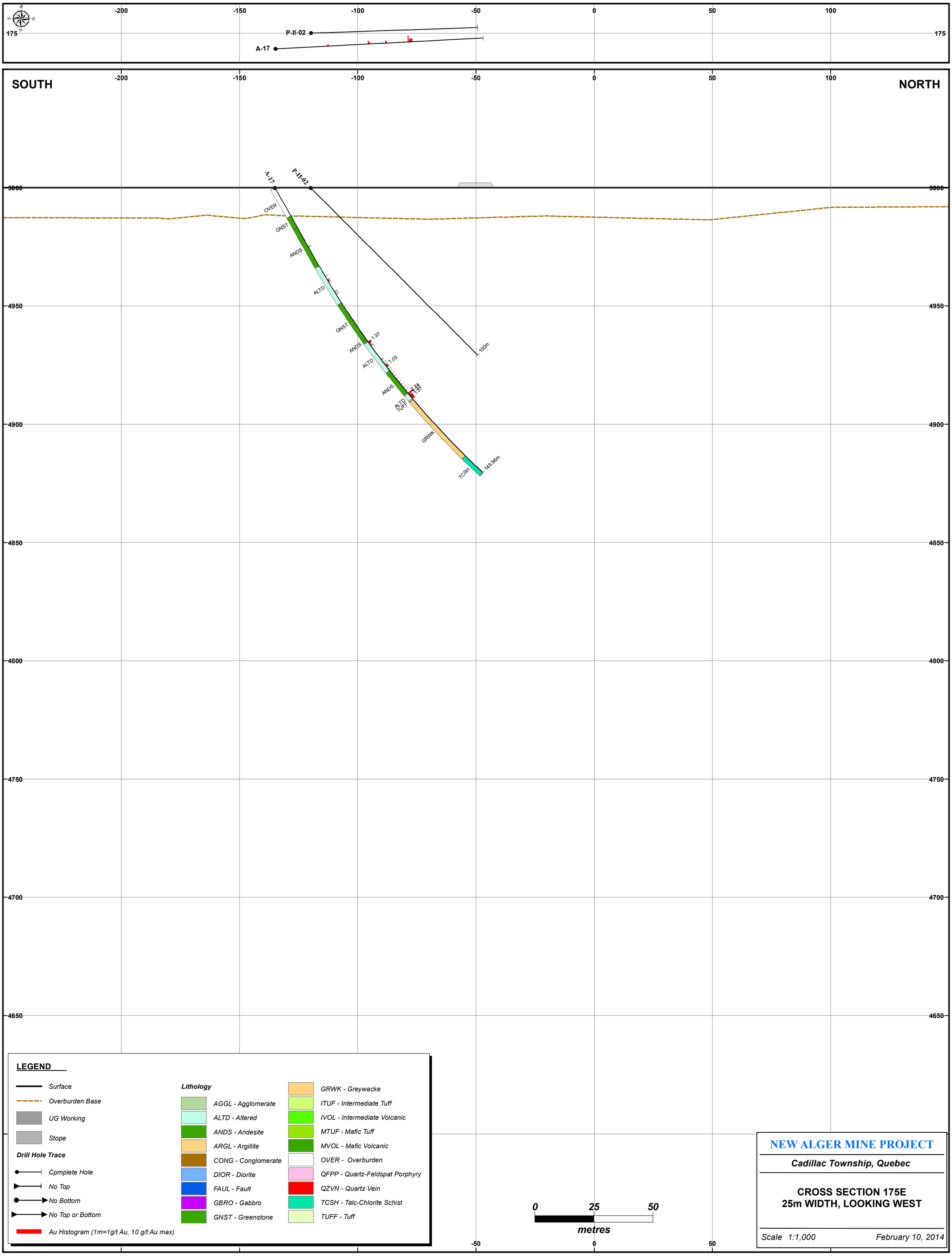
- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

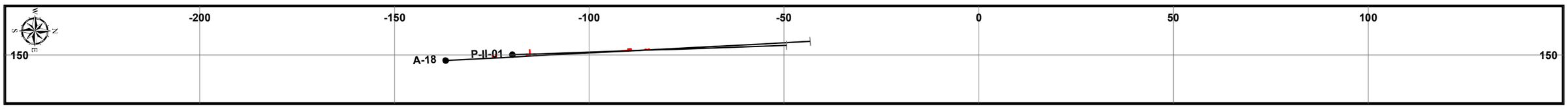
**NEW ALGER MINE PROJECT**

***Cadillac Township, Quebec***

**CROSS SECTION 200E**
**25m WIDTH, LOOKING WEST**

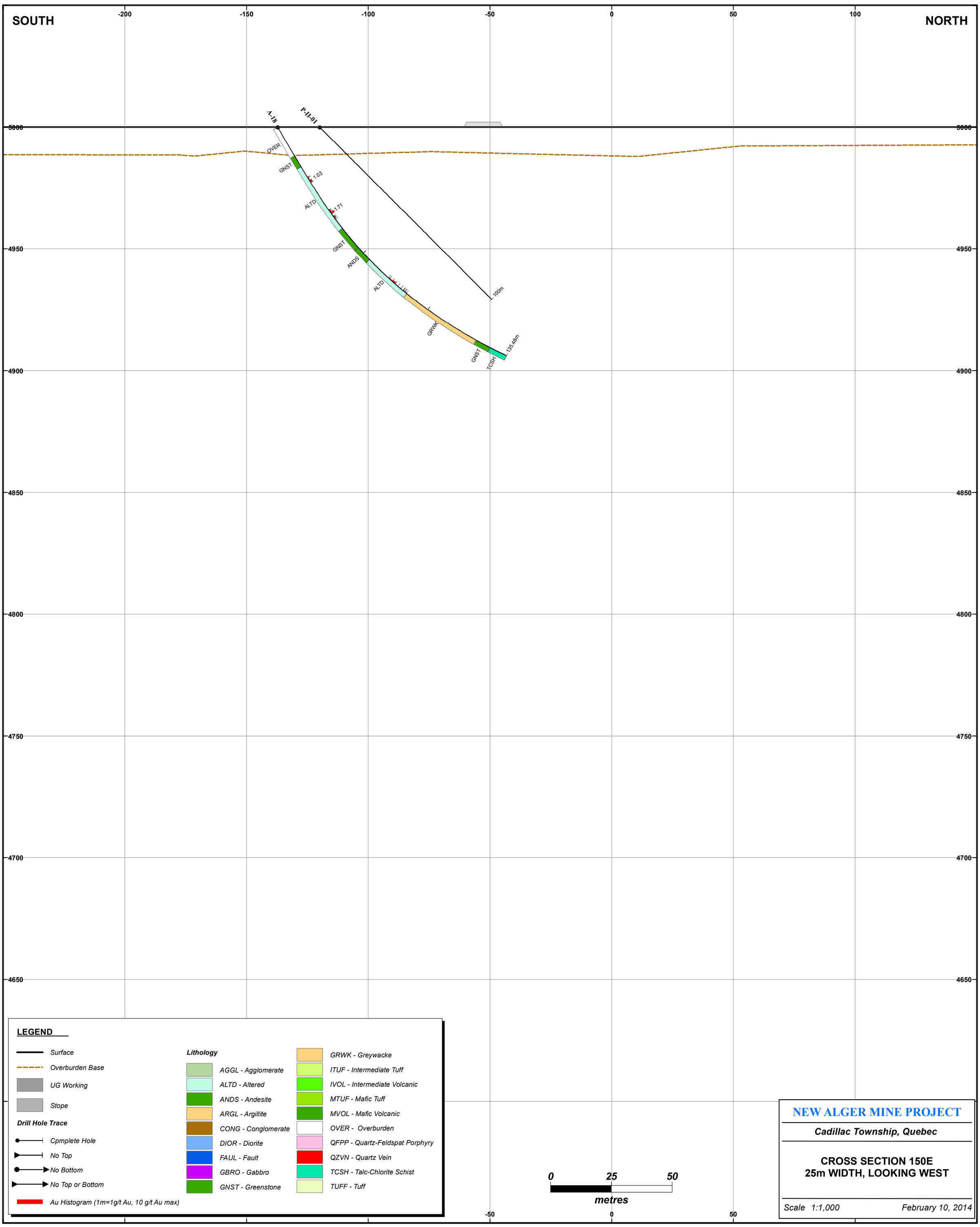
*Scale 1:1,000* *February 10, 2014*


-200
-150
-100
-50
0
50
100
175
P-II-02
A-17
SOUTH
NORTH
5000
4950
4900
4850
4800
4750
4700
4650
OVER
GNST
ANDS
ALTD
GNST
ANDS
1.37
ALTD
1.03
ANDS
2.74
1.37
ALTD
TUFF
GRWK
TCSH
100m
149.96m
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 175E
25m WIDTH, LOOKING WEST
Scale 1:1,000
February 10, 2014




SOUTH

NORTH




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

*0 25 50*

*metres*

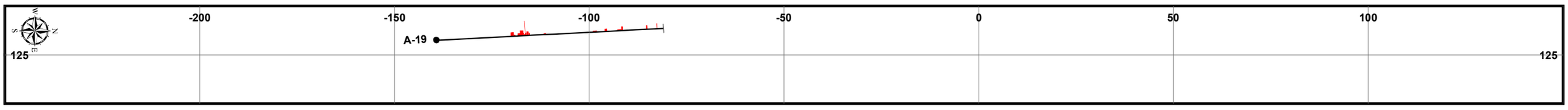
-50 0 50

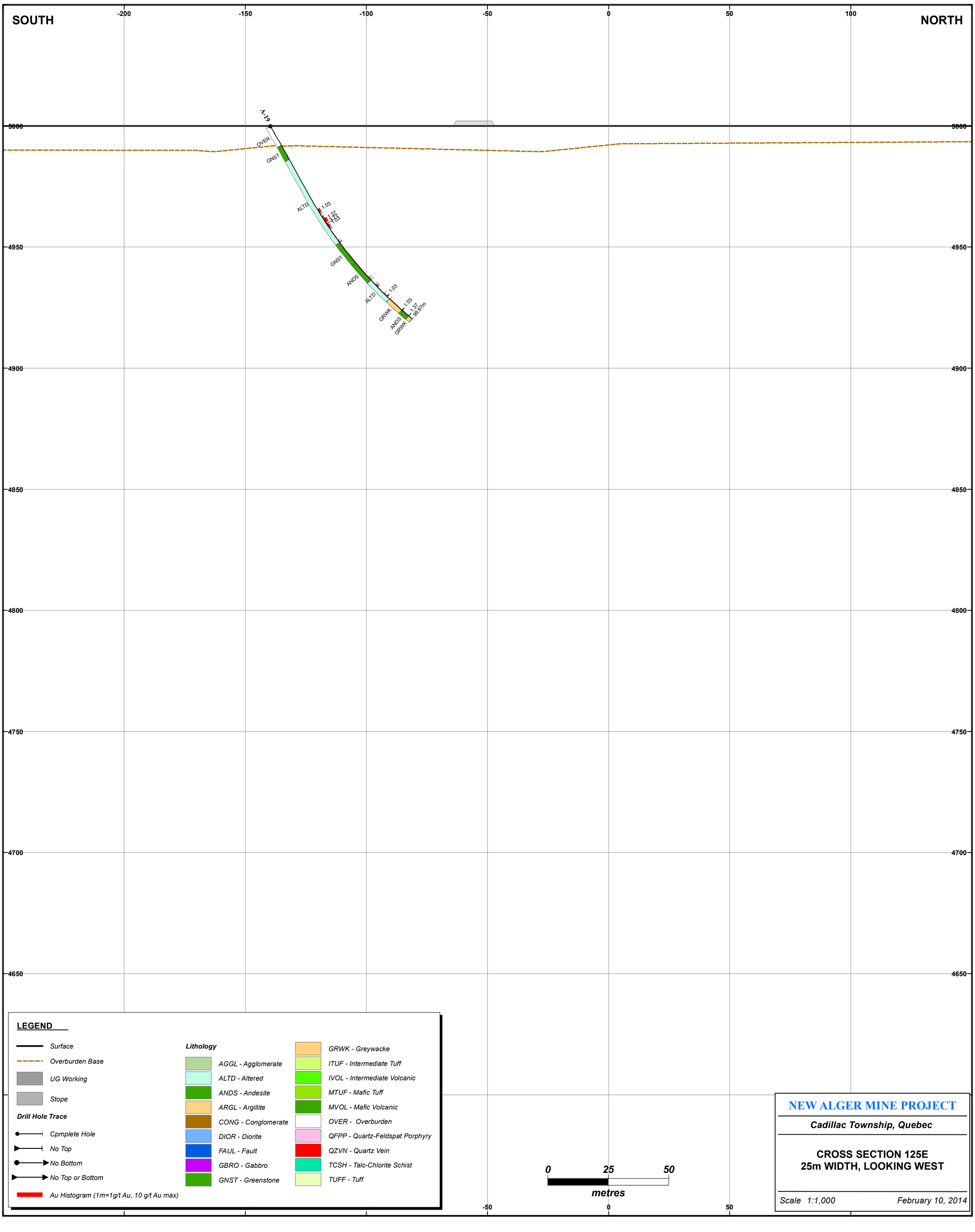
**NEW ALGER MINE PROJECT**

***Cadillac Township, Quebec***

**CROSS SECTION 150E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *February 10, 2014*



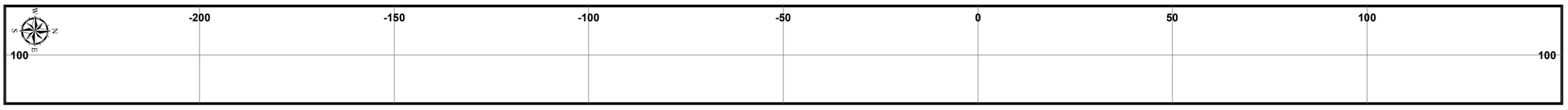



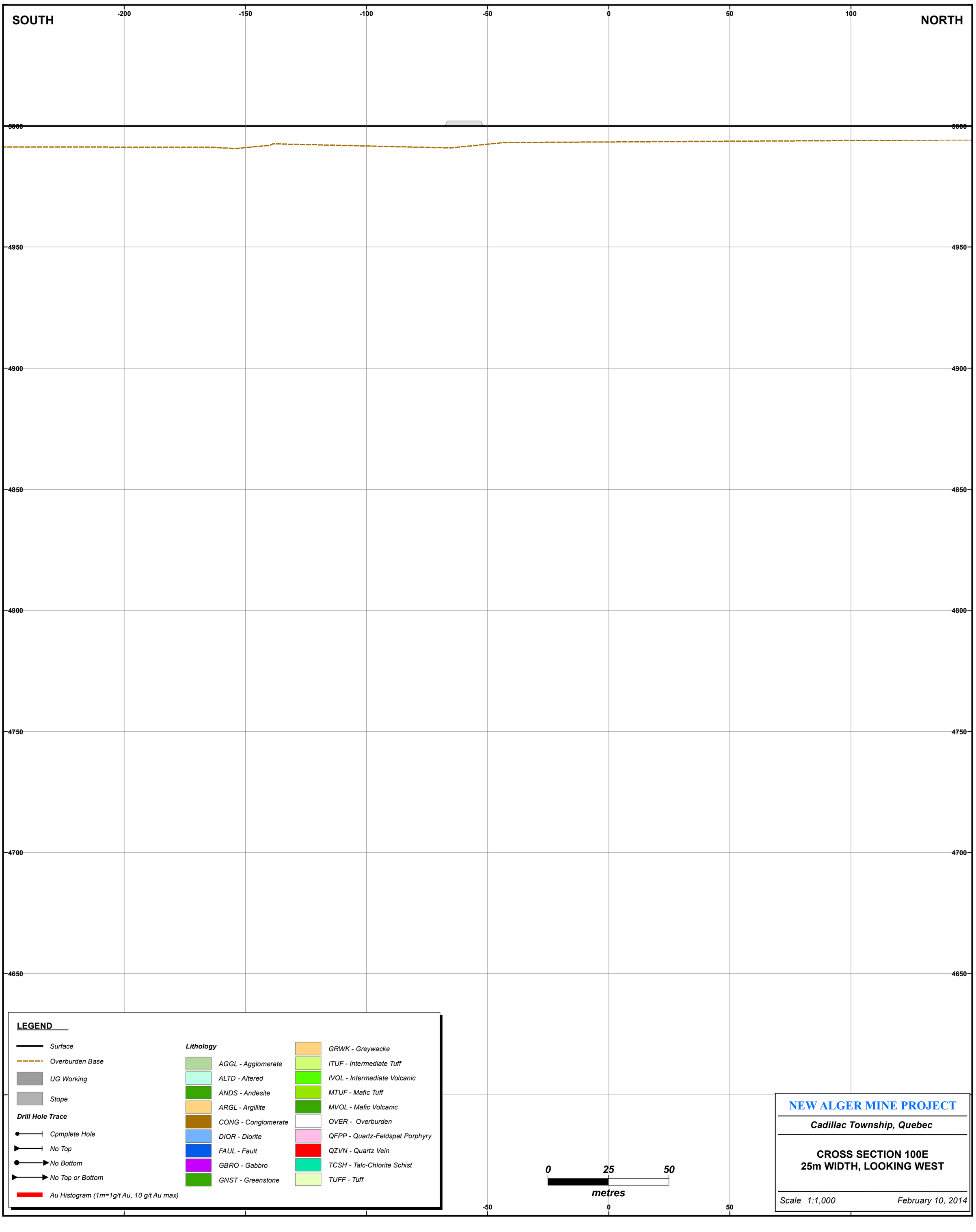

# NEW ALGER MINE PROJECT

**Cadillac Township, Quebec**

**CROSS SECTION 125E**
**25m WIDTH, LOOKING WEST**

Scale 1:1,000 February 10, 2014




**LEGEND**

- *Surface*
- *Overburden Base*
- *UG Working*
- *Stope*

***Drill Hole Trace***

- *Cpmplete Hole*
- *No Top*
- *No Bottom*
- *No Top or Bottom*
- *Au Histogram (1m=1g/t Au, 10 g/t Au max)*

***Lithology***

- *AGGL - Agglomerate*
- *ALTD - Altered*
- *ANDS - Andesite*
- *ARGL - Argillite*
- *CONG - Conglomerate*
- *DIOR - Diorite*
- *FAUL - Fault*
- *GBRO - Gabbro*
- *GNST - Greenstone*
- *GRWK - Greywacke*
- *ITUF - Intermediate Tuff*
- *IVOL - Intermediate Volcanic*
- *MTUF - Mafic Tuff*
- *MVOL - Mafic Volcanic*
- *OVER - Overburden*
- *QFPP - Quartz-Feldspat Porphyry*
- *QZVN - Quartz Vein*
- *TCSH - Talc-Chlorite Schist*
- *TUFF - Tuff*

*0 25 50*

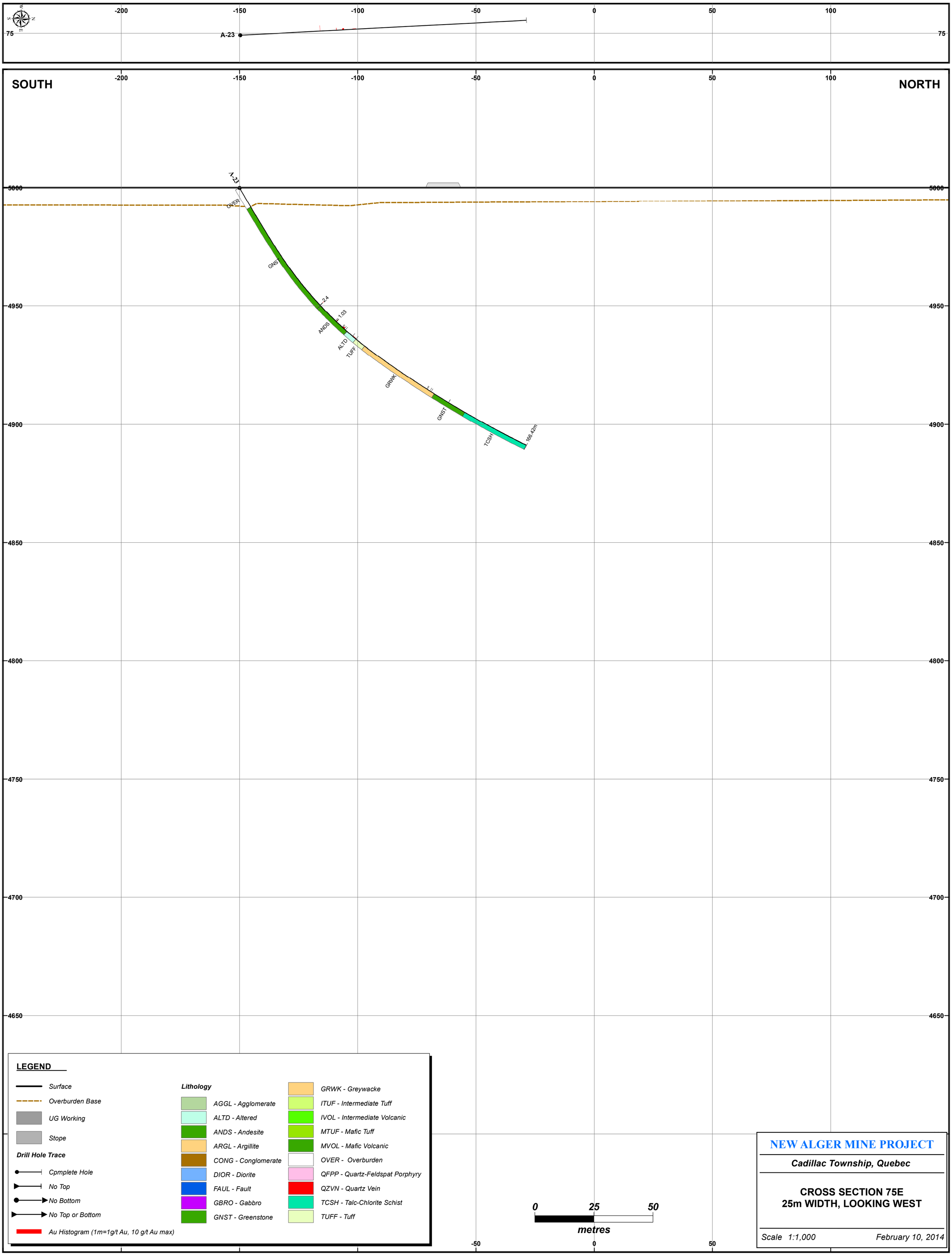
***metres***

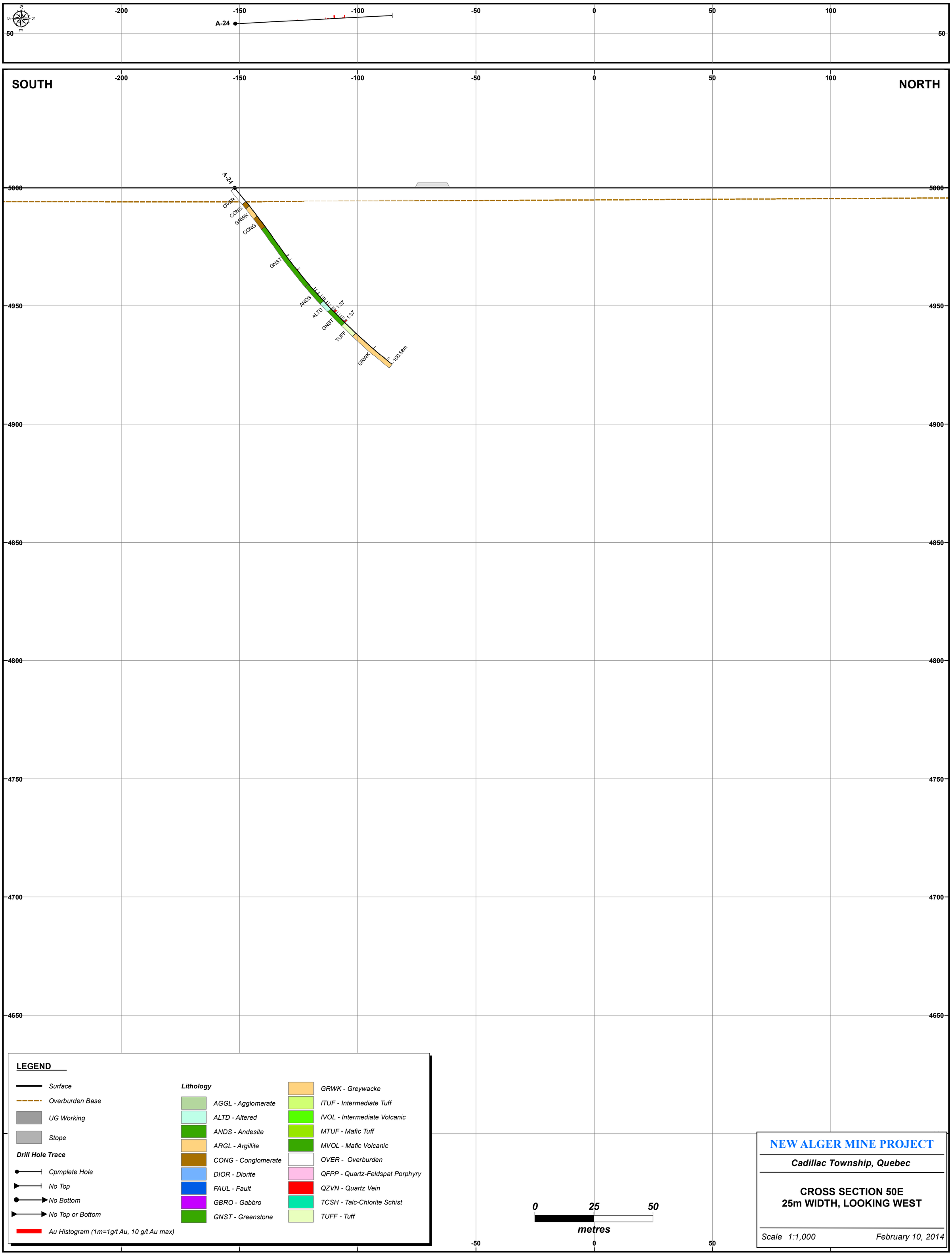
**NEW ALGER MINE PROJECT**

***Cadillac Township, Quebec***

**CROSS SECTION 100E**
**25m WIDTH, LOOKING WEST**

*Scale 1:1,000* *February 10, 2014*


-200
-150
-100
-50
0
50
100
75
A-23
SOUTH
NORTH
5000
4950
4900
4850
4800
4750
4700
4650
OVER
GNST
2.4
1.03
ANDS
ALTD
TUFF
GRWK
GNST
TCSH
166.42m
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 75E
25m WIDTH, LOOKING WEST
Scale 1:1,000
February 10, 2014


SOUTH
NORTH
-200
-150
-100
-50
0
50
100
A-24
5000
4950
4900
4850
4800
4750
4700
4650
OVER
CONG
GRWK
CONG
GNST
ANDS
ALTD
GNST
TUFF
GRWK
1.37
1.37
100.58m
LEGEND
Surface
Overburden Base
UG Working
Stope
Drill Hole Trace
Cpmplete Hole
No Top
No Bottom
No Top or Bottom
Au Histogram (1m=1g/t Au, 10 g/t Au max)
Lithology
AGGL - Agglomerate
ALTD - Altered
ANDS - Andesite
ARGL - Argillite
CONG - Conglomerate
DIOR - Diorite
FAUL - Fault
GBRO - Gabbro
GNST - Greenstone
GRWK - Greywacke
ITUF - Intermediate Tuff
IVOL - Intermediate Volcanic
MTUF - Mafic Tuff
MVOL - Mafic Volcanic
OVER - Overburden
QFPP - Quartz-Feldspat Porphyry
QZVN - Quartz Vein
TCSH - Talc-Chlorite Schist
TUFF - Tuff
0
25
50
metres
NEW ALGER MINE PROJECT
Cadillac Township, Quebec
CROSS SECTION 50E
25m WIDTH, LOOKING WEST
Scale 1:1,000
February 10, 2014