REPORT ON THE

2010

DIAMOND DRILLING

OF THE

PENHORWOOD PROPERTY

PORCUPINE MINING DIVISION

NORTHEASTERN ONTARIO

****

PREPARED FOR

GOLDEN CHALICE RESOURCES INC

August 30, 2010

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SUMMARY

The Penhorwood Property, held by Golden Chalice Resources, is situated 80 km southwest of Timmins, Ontario. It is comprised of 52 unpatented mining claims (10,335 hectares) in Penhorwood Township and Kenogaming Township. It forms part of Golden Chalice Resources Timmins West Project.

In 2010, Golden Chalice Resources completed a diamond drilling program consisting of ten holes totalling 1,614 m. The program tested seven induced polarization high chargeability anomalies, a copper-gold soil anomaly and the Ross Zinc Showing. The seven holes targeting the chargeability anomalies intersected disseminated pyrite zones in felsic tuffs, mafic volcanics or ultramafic volcanics. All the zones returned no significant gold or base metal assays. Hole TW10-05 tested an MMI soil copper-gold anomaly, no significant sulphide mineralization was intersected.

Two drill holes (TW10-02 and 03) tested the Ross Zinc Showing on the Penhorwood Property and intersected two disseminated sphalerite zones within felsic ash tuffs and a narrow semi-massive sulphide zone at the contact between a sulphidic chert horizon and peridotites. The upper sphalerite zone returned 1.49% zinc over 5.2 m and the lower zone returned 1.42% zinc over 3.2 m, in Hole TW10-02. Hole TW10-03 undercut hole TW10-02 and returned 0.57% zinc over 4.8 m and 1.76% zinc over 1 m in the upper zone. The sulphidic chert horizon did not return any significant assays.

It is recommended that further diamond drilling be considered at the Ross Zinc Showing.

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INTRODUCTION

The Radio Hill Property and the Penhorwood Property form the Timmins West Project of Golden Chalice Resources Inc. The Penhorwood Property is comprised of 52 contiguous unpatented mining claims (638 claim units) covering approximately 10,335 hectares in Penhorwood and Kenogaming Townships. The property is held 100% by Golden Chalice Resources.

This report describes the last four drill holes of the 2010 diamond drilling program conducted on the Penhorwood Property. A summary description of the first six holes of the diamond drill program is found in a previous assessment report by the author (Montgomery, 2010). This report presents the assay results of all ten drill holes and discusses their significance. Final drill logs (containing assay values) for all ten holes are located in Appendix A.

The first six holes were drilled to test three separate chargeability high Induced Polarization anomalies and the Ross Zinc Showing (423500E, 5334830N Nad 83) on the property. The four holes (TW10-7 to 10) were completed from May 16 to June 5, 2010 and tested four separate chargeability high Induced Polarization anomalies.

The drilling program was co-ordinated and supervised by the author. Drill core logging was carried out by J. Craig of New Brunswick. The field technical tasks associated with the drilling program were conducted by D. Bryant, and G. Ross, of Timmins Ontario and Graham Stone of Parry Sound, Ontario. The diamond drill core selected for sampling was saw cut in half by Dan Larsen of Timmins, Ontario. The maps and sections of this report were drafted by the author and G. Sparling of Timmins, Ontario.

LOCATION, ACCESS and CLAIMS

The Penhorwood Property, held by Golden Chalice Resources is located 80 kilometres southwest of Timmins, Ontario (Figure 1). It is comprised of 52 mining claims (638 claim units totalling about 10,335 hectares) that covers northeast and central Penhorwood Township, as well as the west central portion of Kenogaming Township.

Table 1 Penhorwood Property Claims

Claim	Units	Due_Date	Date_Recorded	Work_Req	Township
4221929	12	24-Oct-10	03-Aug-07	$4,800.00	KENOGAMING
3019487	10	19-Nov-10	19-Nov-07	$4,000.00	PENHORWOOD
3019491	15	19-Nov-10	19-Nov-07	$6,000.00	PENHORWOOD
4227175	3	19-Nov-10	19-Nov-07	$1,200.00	PENHORWOOD

4207062	16	25-Nov-10	07-Jun-05	$6,400.00	PENHORWOOD
4207045	16	25-Nov-10	07-Jun-05	$1,414.00	KENOGAMING
4207046	16	25-Nov-10	07-Jun-05	$6,400.00	PENHORWOOD
4207047	16	25-Nov-10	07-Jun-05	$6,400.00	PENHORWOOD
4207060	14	25-Nov-10	07-Jun-05	$3,728.00	PENHORWOOD
4207061	16	25-Nov-10	07-Jun-05	$6,400.00	PENHORWOOD
4207048	16	25-Nov-10	07-Jun-05	$6,400.00	PENHORWOOD
3019488	16	18-Dec-10	18-Dec-07	$6,400.00	PENHORWOOD
3019490	15	18-Dec-10	18-Dec-07	$6,000.00	PENHORWOOD
3000605	1	2-Jan-11	02-Jan-04	$400.00	PENHORWOOD
4201493	8	23-Mar-11	23-Mar-06	$3,200.00	PENHORWOOD
4201492	16	23-Mar-11	23-Mar-06	$6,400.00	PENHORWOOD
4201491	12	5-Apr-11	05-Apr-06	$4,800.00	KENOGAMING
4201490	16	5-Apr-11	05-Apr-06	$6,400.00	KENOGAMING
4201489	16	5-Apr-11	05-Apr-06	$6,400.00	KENOGAMING
4201488	9	5-Apr-11	05-Apr-06	$3,600.00	KENOGAMING
3019024	2	24-Apr-11	24-Apr-06	$800.00	PENHORWOOD
4220806	4	30-Apr-11	30-Apr-07	$1,600.00	PENHORWOOD
4207035	1	7-Jun-11	07-Jun-05	$400.00	PENHORWOOD
4207042	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD
4207041	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD
4207040	15	7-Jun-11	07-Jun-05	$6,000.00	PENHORWOOD
4207039	4	7-Jun-11	07-Jun-05	$1,600.00	KENOGAMING
4207032	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD
4207036	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD
4207034	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD
4207033	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD
4207043	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD
4207031	16	7-Jun-11	07-Jun-05	$6,400.00	KENOGAMING
4207030	12	7-Jun-11	07-Jun-05	$4,800.00	PENHORWOOD
4207037	10	7-Jun-11	07-Jun-05	$4,000.00	PENHORWOOD
4207064	6	7-Jun-11	07-Jun-05	$2,400.00	KENOGAMING
4207049	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD
4207914	9	7-Jun-11	07-Jun-05	$3,600.00	PENHORWOOD
4207044	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD
4207058	12	7-Jun-11	07-Jun-05	$4,800.00	PENHORWOOD
4207057	1	7-Jun-11	07-Jun-05	$400.00	PENHORWOOD
4207056	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD
4207054	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD
4207053	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD
4207051	16	7-Jun-11	07-Jun-05	$6,400.00	KENOGAMING
4207050	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD
4207055	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD

4207916	15	7-Jun-11	07-Jun-05	$6,000.00	PENHORWOOD
4241832	12	11-Jul-11	11-Jul-08	$4,800.00	PENHORWOOD
3000603	2	15-Oct-10	15-Oct-03	$800.00	PENHORWOOD
3000604	2	15-Oct-10	15-Oct-03	$800.00	PENHORWOOD
4207052	16	7-Jun-11	07-Jun-05	$6,400.00	PENHORWOOD

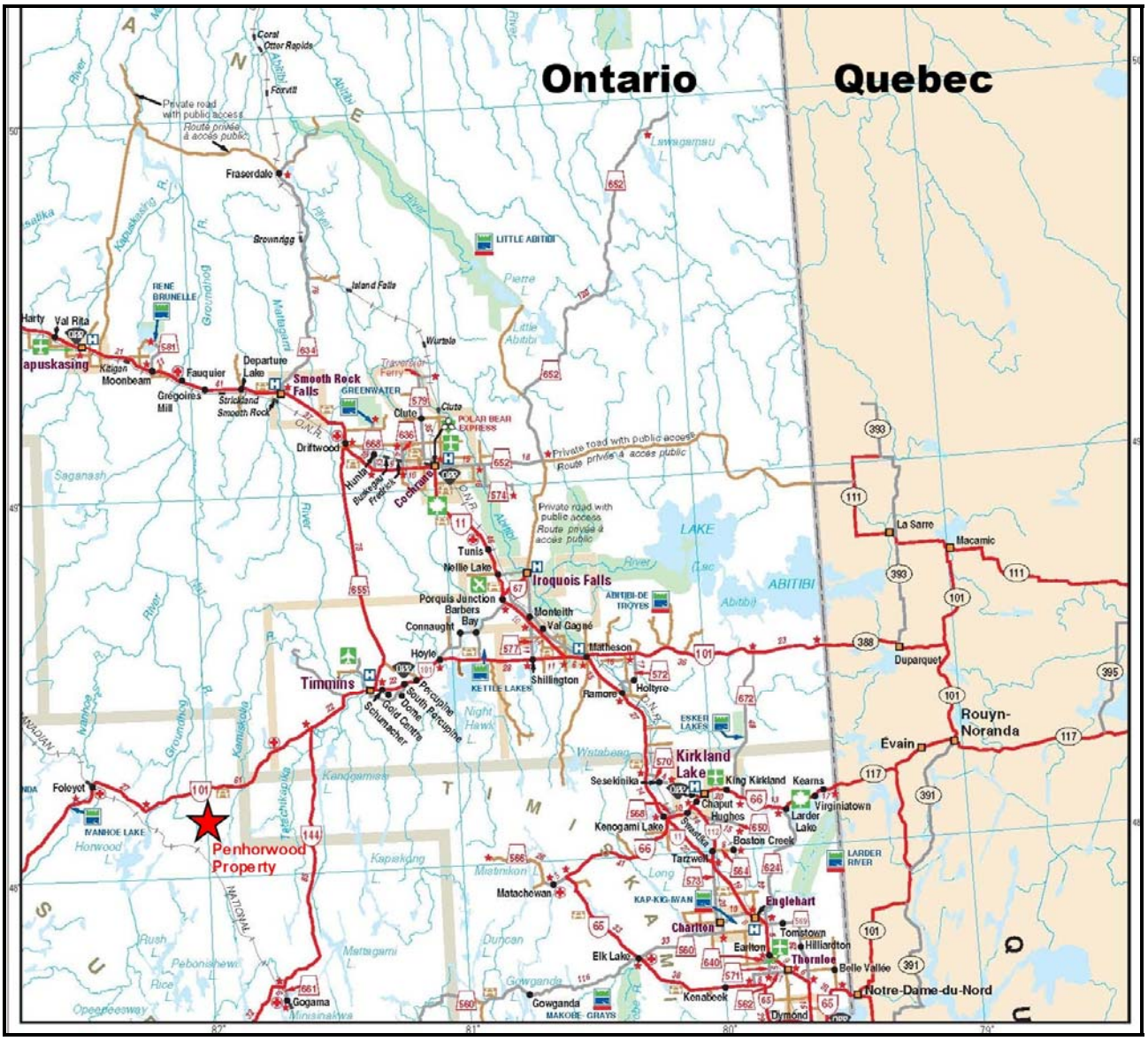

Figure 1 Location Map

The property is readily accessed by motor vehicle from Highway 101 West, The main Kenogaming Timber Road cuts through the eastern portion of the property. Further to the west; a second main gravel road off Highway 101 gives access to the northwest portion of the property. A network of ATV and 4x4 truck trails off these two main gravel roads give further access to the property.

The diamond drilling area is easily accessible, as the Kenogaming Timber Road cuts through it (Figure 2). The eastern edge of the grid is 12.5 km west of the intersection of Highway 101 West and the Kenogaming Timber Road.

REGIONAL and PROPERTY GEOLOGY

The property lies within the Superior Province of Archean basement rocks, in the Eastern Canadian Shield. It is situated in the northeastern part of the Swayze Greenstone belt which appears to be the western extension of the Abitibi Greenstone belt.

The property is predominantly underlain by southwest trending metamorphosed (greenschist) volcanics of the Muskego-Reeves Assemblage ranging from ultramafic to felsic. The mafic volcanics are pillowed to massive andesitic or basaltic flows. They are the dominant rock type on the property. Ultramafic volcanic flow units and/or intusive sills trending east-west occur in the central portion of the property. They are intermixed with the mafic volcanics.

The east central portion of the property is underlain by felsic volcanics of the Hanrahan Lake Complex that extend west from Kenogaming Township. The felsic volcanics are comprised of tuffs, lapilli tuffs, agglomerates and intermediate to felsic flows. They form the core of a major northwest plunging antiform fold. A fairly continuous iron formation known as the Nat River iron formation marks the boundary between the felsic volcanics and the mafic volcanics.

In the northwest portion of the property metasediments occur. These consist of greywackes and conglomerates. The north centre part of the property is underlain by north-south trending ultramafic, mafic and felsic porphyry intrusive units that may be part of a layered complex. These intrusive units are interpreted to be sliced up by a series of northeast trending faults. In the southwest the Kukatush Stock (Biotite hornblende granodorite) intrudes the volcanics and in the southeast the Kenogamissi Batholith (hornblende and/or biotite bearing granodiorite to tonalite gneiss). Smaller quartz-feldspar and feldspar porphyry intrusive bodies also occur on the property. All the rock types are intruded by late north to north-northwest trending diabase dykes (Figure 3).

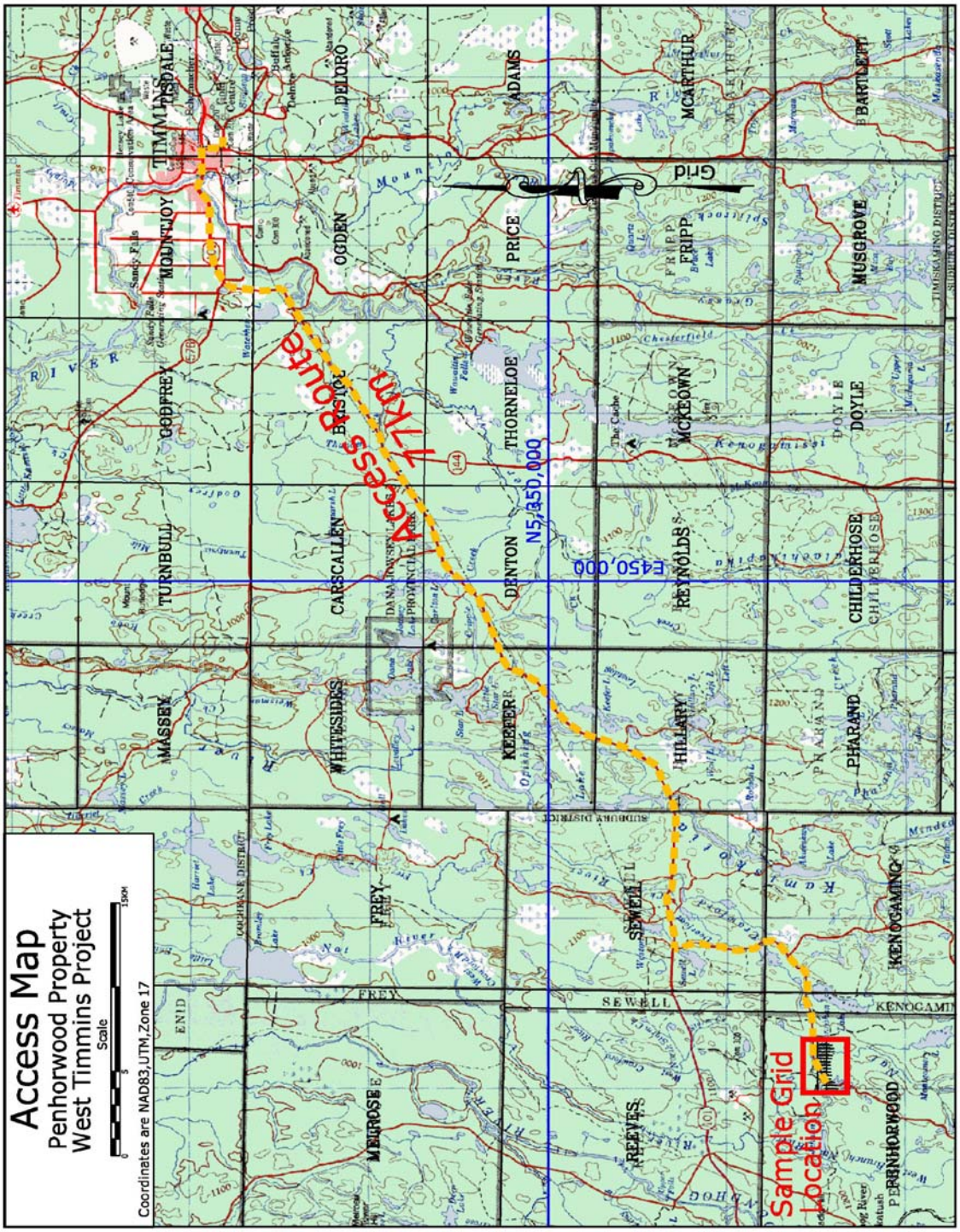

Figure 2 Property Access Map

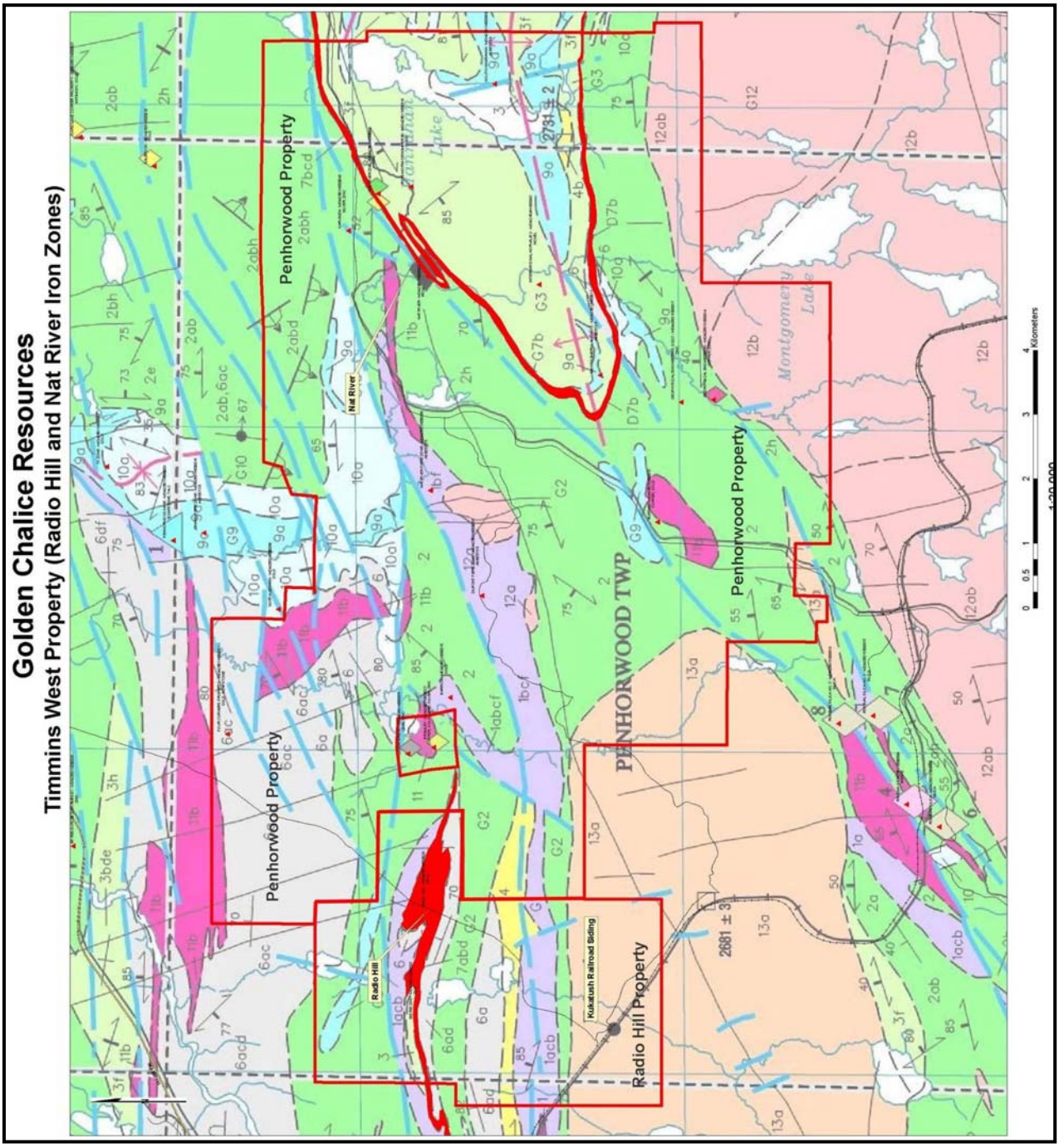

Figure 3 Timmins West Project Geology Map

Three major faults cross cut the property, the east-west trending Destor-Porcupine, the east-west trending Jehann Lake Fault and the southwest trending Hardiman Bay Fault.

PREVIOUS GOLDEN CHALICE RESOURCES WORK

In May 2005, Golden Chalice Resources staked the majority of the property. Exploration work in 2005 consisted of an airborne magnetic and time domain electromagnetic survey conducted by Geotech Limited, over nearly the entire property. The surveys outlined 37 areas of interest that consisted of 30 clusters of weak to strong VTEM conductors and seven Keating magnetic anomalies. A well defined linear series of strong to moderate VTEM conductors outlines the folded Nat River Iron Formation in the east part of the property.

In late 2006 a prospecting crew headed by Dave Healey checked 23 of the 37 areas of interest. A total of 185 rock grab samples were collected during the prospecting program. All samples were assayed for gold with 11 samples returning anomalous gold values ranging from 294 ppb Au to a high of 1.61 gpt. Au.

Exploration work on the Penhorwood Property in 2007 consisted of MMI soil surveys over some of the 2005 VTEM airborne anomaly clusters, a mechanical stripping program and the drilling of one hole (300 m) to test a VTEM conductor. A total of 536 MMI soil samples were collected from nine areas on the property. These MMI soil samples were sent to SGS Mineral Services laboratory for multi-element analysis. This MMI soil sampling program, on the Penhorwood Property, was conducted to evaluate the clusters of airborne VTEM conductors as potential nickel, gold or base metal drill targets. The assay results were quite encouraging with some interesting silver, gold, copper, lead and zinc geochemical anomalies identified in the nine areas (Montgomery, 2009b).

A mechanical stripping program exposed several areas of bedrock on claim 4207037 and successfully expanded the rock exposure at a gold showing on claim 4207057 (Montgomery, 2009a). Follow up work consisting of geological mapping and rock channel sampling was carried on the stripped areas.

The 2005 airborne VTEM survey outlined a moderately intense electromagnetic conductor located at 418216E, 5330409N (NAD83), on claim 4207053. In order to test this electromagnetic conductor, an inclined core hole of 300 metres was drilled from May 29 to June 6, 2007. This drill hole intersected sheared and altered intermediate to felsic volcanics intercalated with silicified greywacke sediments and iron formation units. A massive to semi-massive pyrite zone was cut from 100.5 to 104.7 metres down hole and is the cause of the VTEM conductor (Montgomery, 2007).

In late 2007 and early 2008, ground geophysical surveys consisting of magnetic VLF-electromagnetic and induced polarization were conducted on a 20.6 km line grid. This grid is located in the northeast portion of the property on claim 4207037 (Grant, 2008).

During the period April 15 to April 30, 2008 three holes were drilled for a total of 735 metres. This drilling program tested two moderately intense airborne electromagnetic conductors located at 418750E 5330250N on claim 4207054 and 418750E 5331900N on claim 4207048. The drilling successfully explained the electromagnetic conductors as weak conductive zones within sheared mafic volcanic or graphite with local minor pyrite and\or pyrrhotite (Hartley, 2008).

A small mechanical stripping program was conducted in the northeast corner of the property from October 28 to 30, 2009. It consisted of removing overburden and exposing bedrock in five areas on claim 4221929. Three of the five areas verified the presence of the felsic porphyry body on Ontario government geological maps. One of which contains finely disseminated sulphide mineralization (0.5-1% pyrite). The fourth area was predominantly a pyritic iron formation. The fifth area did not have bedrock exposed by the excavator and thus the source of the pyritic quartz vein boulder in its vicinity was not found (Montgomery and Sparling, 2009).

In late 2009, a geochemical survey was conducted, on the Penhorwood Property, to evaluate a potential long quartz porphyry body for gold or base metal mineralization potential. Soil samples were collected from 160 sites. Three types of geochemical analysis consisting of soil geochemical, soil gas hydrocarbon (SGH) and metal mobile ion (MMI) were conducted on separate samples from each site.

The interpretation of the SGH survey results outlined an east-west trending REDOX cell in the survey area. The MMI-M survey delineated four distinctive MMI-M anomalies that were both multi-element and multi-sample in nature. The soil geochemical survey was successful in outlining a gold anomaly, a copper anomaly, four zinc anomalies and two nickel anomalies. A comparison of the anomalies outlined in the interpretations of the SGH, MMI and soil survey results has found two coinciding anomalies. The MMI Ni-Co-Ni/Cr with Ca, Ce and Mg anomaly (Lines 6+00E through 8+00E) coincides with the central Ni soil anomaly. The MMI Cu-Ca-Mg-Sr anomaly (Lines 16+00E through 20+00E) coincides exactly with the copper soil anomaly in the east central portion of the survey area (Montgomery, 2009c).

The most recent work conducted by Golden Chalice Resources on the Penhorwood Property was linecutting, a ground magnetic survey, a ground VLF-EM survey and an induced polarization survey over a potential quartz porphyry body (Grant, 2009, 2010a,

2010b and 2010c). This long quartz porphyry body is postulated by Ontario government geologists (Ayer and Trowell, 2002) to occur on claims 4207034 and 4207036. The exploration work was carried out from the last week in November 2009 till the end of March 2010.

DISCUSSION OF CORE DRILLING

Four holes totalling 650 metres, part of an ongoing diamond drilling program, were completed on the property from May 16 to June 5, 2010. The diamond drilling program consisted of ten drill holes (Table 2). It employed one diamond drill rig provided by Bradley Brothers Inc. of Timmins, Ontario. Seven drill holes were drilled to test separate chargeability high Induced Polarization anomalies. This was done to determine whether the anomalies where caused by disseminated sulphide mineralization and thus could be auriferous. Two holes (TW10-02 and 03) were drilled at the Ross Zinc Showing to determine the extent of the sphalerite mineralization observed on the surface. One hole (TW10-05) tested a soil gold-copper anomaly coinciding with a weak chargeability Induced Polarization anomaly.

Table 2 Penhorwood 2010 diamond Drill Holes

TARGET	HOLE	Grid E	Grid N	EASTING	NORTHING	LENGTH	Azimuth	DIP
Charg high	TW10-01	L3750E	4135	423863	5334436	172	330	-45
Zn showing	TW10-02	3564	4611	423512	5334799	125	335	-45
Zn showing	TW10-03	3564	4610	423512	5334799	164	335	-60
Charg high	TW10-04	L3250E	5100	423046	5335136	152	330	-45
Charg high	TW10-05	L1800E	45N	421704	5334532	176	360	-45
Charg high	TW10-06	L2100E	25N	421999	5334510	176	360	-45
Charg high	TW10-07	L1200E	130N	421116	5334631	176	360	-45.0
Charg high	TW10-08	L1100E	305N	421008	5334816	173	360	-55.0
2 Charghigh	TW10-09	L1500E	470N	421417	5334965	176	180	-45.0
Charg high	TW10-10	L1400E	725N	421327	5335175	125	360	-45.0

A brief summary of the last four drill holes is outlined below. A summary description of the first six holes of the diamond drill program is found in a previous assessment report by the author (Montgomery, 2010).

Detail drill logs with assays for each 2010 drill hole are found in Appendix A.

HOLE TW10-7
Location: 421116E/ 5334631N (GPS Nad 83)
Claim: 4207036

Dip: -45 Azimuth: 360
Length: 176 m
Target: Induced Polarization chargeability high.
Summary: The hole intersected the following stratigraphy (Appendix A):

0-7 m	Overburden
7-99.1	Adcumulate Peridotite Flows
99.1-148.9	Mesocumulate Peridotite Flows
148.9-152	Fault Zone
152-167.6	Adcumulate Peridotite Flows
167.6-169.8	Feldspar Porphyry
169.8-176	Adcumulate Peridotite Flows
176 m	End of the hole.

Mineralization: Two disseminated pyrite zones (0.5-1%) occur within the upper adcumulate peridotite flows at 77.5-90.1 and 95.6 and 99.1 m.

Target explanation: These disseminated pyrite zones are likely the cause of the targeted induced polarization chargeability high anomaly. Although, the strong magnetism of the adcumulate peridotite unit may also be the cause.

HOLE TW10-8

Location: 421008E/5334816N (GPS Nad 83)
Claim: 4207036
Dip: -55 Azimuth: 360
Length: 173 m
Target: Induced Polarization chargeability high.
Summary: The hole intersected the following stratigraphy (Appendix A):

0-37 m	Overburden
37-47.2	Adcumulate Peridotite Flows
47.2-57	Diabase
57-58.6	Adcumulate Peridotite Flows
58.6-62.1	Fault Zone
62.1-77	Adcumulate Peridotite Flows
77-117.8	Diabase
117.8-120.4	Mesocumulate Peridotite Flows
120.4-125.8	Diabase
125.8-173	Mesocumulate Peridotite Flows
173 m	End of the hole.

Mineralization: A disseminated pyrite zone (0.5-1%) occurs within the diabase at 123.4-125.8 m.

Target explanation: This disseminated pyrite zone is the cause of the targeted induced polarization chargeability high anomaly.

HOLE TW10-9

Location: 421417E/5334965N (GPS Nad 83)
Claim: 4207036
Dip: -45 Azimuth: 180
Length: 176 m
Target: Induced Polarization chargeability high.
Summary: The hole intersected the following stratigraphy (Appendix A):

0-40 m	Overburden
40-44	Fault Zone
44-49.4	Adcumulate Peridotite Flows
49.4-56.4	Fault Zone
56.4-80.9	Adcumulate Peridotite Flows
80.9-83.8	Spinifex textured Peridotite
83.8-113.4	Adcumulate Peridotite Flows
113.4-117.5	Felsic intrusive
117.5-124.8	Fault Zone
124.8-158	Adcumulate Peridotite Flows
158-176	Mesocumulate Peridotite Flows
176 m	End of the hole.

Mineralization: A disseminated pyrite zone (0.5-1%) occurs within adcumulate peridotite 127-133 m.

Target explanation: This disseminated pyrite zone is the cause of the targeted induced polarization chargeability high anomaly.

HOLE TW10-10

Location: 421327E/ 5335175N (GPS Nad 83)
Claim: 4207036
Dip: -45 Azimuth: 360
Length: 125 m
Target: Induced Polarization chargeability high.

Summary: The hole intersected the following stratigraphy (Appendix A):

0-40 m	Overburden
40-59	Fault Zone
59-105.6	Adcumulate Peridotite Flows
105.6-111.3	Graphitic Peridotite Flows
111.3-125	Adcumulate Peridotite Flows
125 m	End of the hole.

Mineralization: None.

Target explanation: The graphitic peridotite coincided with the induced polarization chargeability high and thus may be the cause of the targeted induced polarization chargeability high.

Sections for the 2010 drill holes are found in the map pockets at the back of this report.

The drill core from the 2010 drilling program is currently stored at the Hastings Management Core Storage Facility located on Highway 629 (Airport Road), in Timmins, Ontario.

ANALYTICAL ANALYSIS

Three assay laboratories were utilized for the assaying of core samples from the 2010 Penhorwood diamond drilling program. They are Cattarello Assayers Inc. of Timmins, Ontario; Swastika Laboratories Ltd of Swastika, Ontario and Laboratoire Expert Inc. of Rouyn-Noranda, Quebec.

Each sample was logged in at the respective assay laboratories using "bar codes." Samples were dried prior to crushing the entire sample to 90% passing a -10 mesh screen. From the crushed coarse reject a sub-sample of approximately 300 grams was collected using a Jones riffle splitter. This 300 gram portion was completely pulverized to 90% passing a -200 mesh screen in a ring and puck pulverizer. A 0.5 g aliquot was collected, from each pulp.

A total of 609 drill core samples were analyzed for gold by lead fire assay atomic absorption finish on a 30 gram sample pulp. The detection limit for the lead fire assay atomic absorption method is 5 ppb for Au. If the sample result was greater than 1,000 ppb Au then the sample pulp was re-analyzed by using a lead fire assay collector and a gravimetric finish.

Golden Chalice Resources Inc. employed a rigorous external *QA/QC* program for the drilling program. Gold and base metal standards were inserted randomly into the sample stream as checks on the accuracy of the assaying conducted by the assay laboratories (approx 5% of the samples). Golden Chalice Resources Inc. utilized four different gold value standards, which were obtained from WCM Minerals of Vancouver, Canada (Table 3). Repeat gold analysis was conducted on all 80 drill core samples from Hole TW10-01 as a check on the accuracy and precision of the first laboratory.

Table 3 Penhorwood Drilling Program Gold Standards

Std No.	Au g/t
PM-402	0.26
PM-404	0.41
PM-417	2.09
PM-908	9.44

In holes TW10-02 and 03 where obvious sphalerite mineralization was observed, Golden Chalice Resources Inc. inserted base metal standards. Three different base metal value standards were utilized and they were obtained from Geostats of Australia (Table 4).

Table 4 Penhorwood Drilling Program Base Metal Standards

Std No.	Cu (ppm)	Pb (ppm)	Zinc (ppm)	Ni (ppm)
GBM303-1	437	236561	28750	26
GBM996-3	22599	2885	32333	253
GBM997-4	325	159	119	11

The external quality assurance program also consisted of inserting blank samples to detect any possible laboratory contamination. A sterile crushed quartz sample was randomly inserted by Golden Chalice Resources personnel into the sample stream sent to each laboratory (approx. 5% of the samples). All blank samples and standard samples are noted in the detail drill logs and are sample numbers with have a sample length of zero (Appendix A).

RESULTS AND RECOMMENDATIONS

The 2010 diamond drilling program tested seven induced polarization chargeability anomalies, a copper-gold soil anomaly and the Ross Zinc Showing.

In hole TW10-01 the cause of the targeted induced polarization high chargability anomaly conductor is several disseminated pyrite zones (3-5%) occurring within felsic ash tuffs. All of the disseminated pyrite zones were sampled and returned no gold values of significance. No further work is recommended in the area of TW10-01.

The Ross Zinc Showing on the Penhorwood Property was drilled. Two holes (TW10-02 and 03) tested it and intersected two disseminated sphalerite zones within felsic ash tuffs and a narrow semi-massive sulphide zone at the contact between a sulphidic chert horizon and peridotites. Hole TW10-02 intersected an upper zone of 1.49% zinc over 5.2 m and a lower zone of 1.42% zinc over 3.2 m. Hole TW10-03 undercut hole TW10-02 and returned 0.57% zinc over 4.8 m and 1.76% zinc over 1 m in the upper zone. The lower zone in Hole TW10-03 returned 0.79% zinc over 2 m. A third zone was cut in Hole TW10-03 of 0.79% zinc over 4 m in the felsic ash tuffs near the chert horizon. The sulphidic chert horizon did not return any significant assays.

Hole TW10-04 intersected a disseminated pyrite zone within peridotites, in proximity to a quartz porphyry intrusive. The third induced polarization chargeability anomaly targeted was in hole TW10-06 where a wide pyrite disseminated zone was intersected within altered mafic volcanics. Hole TW10-05 tested an MMI soil copper-gold anomaly, no significant sulphide mineralization was intersected. All three holes returned no significant gold assays from drill core sampling of the mineralized zones.

Holes TW10-07 to TW10-10 all were drilled within ultramafic volcanic stratigraphy targeting induced polarization chargeability highs. The causes of the induced polarization highs are as follows: in hole TW10-07 two disseminated pyrite zones (0.5-1%), in hole TW10-08 a disseminated pyrite zone (0.5-1%) in a diabase unit, in hole TW10-09 a disseminated pyrite zone (0.5-1%) and in hole TW10-10 a graphitic peridotite unit. Sampling of the four holes did not return any significant gold or base metal assays.

In summary, the spring diamond drilling program in the central porphyry area of the Penhorwood Property returned favourable zinc results at the Ross Zinc Showing. It is recommended that further diamond drilling be considered at the showing area.

REFERENCES

Ayer, J.W. and Trowell, N.F.
2002 Geological Compilation of the Swayze Area, Abitibi Greenstone Belt: Ontario Geological Survey Preliminary Map P. 3511, Scale 1:100,000.

Grant, J.C.
2008 Geophysical Report for Golden Chalice Resources Inc. on the IP, Magnetic and VLF-EM surveys Penhorwood Property, Penhorwood Township, Porcupine Mining Division, Northeastern Ontario.

Grant, J.C.
2009 Geophysical Report for Golden Chalice Resources Inc. on IP Surveys Penhorwood Property, Penhorwood Township, Porcupine Mining Division, Northeastern Ontario.

Grant, J.C.
2010a Geophysical Report for Golden Chalice Resources Inc. on the Total field, Magnetic and VLF-EM Surveys Penhorwood Property, Penhorwood Township, Porcupine Mining Division, Northeastern Ontario. January, 2010.

Grant, J.C.
2010b Geophysical Report for Golden Chalice Resources Inc. on the Total field, Magnetic and VLF-EM Surveys Penhorwood Property, Penhorwood Township, Porcupine Mining Division, Northeastern Ontario. February, 2010.

Grant, J.C.
2010c Geophysical Report for Golden Chalice Resources Inc. on the follow-up IP Surveys Penhorwood Property, Penhorwood Township, Porcupine Mining Division, Northeastern Ontario. February, 2010.

Hartley, C.
2008 Report on Diamond Drilling for Golden Chalice Resources Inc. on the Timmins West Project, Porcupine Mining Division, Northeastern Ontario.

Montgomery, J.K.
2007 Report of Diamond Drilling and Mechanical Stripping on Golden Chalice Resources, Penhorwood Property, Porcupine Mining Division, Northeastern Ontario.

Montgomery, J.K.
2009a Report of the 2007 MMI Soil Sampling Program on Golden Chalice Resources, Penhorwood Property, Porcupine Mining Division, Northeastern Ontario.

Montgomery, J.K.
2009b Report of the 2007 Mechanical Overburden Stripping on Golden Chalice Resources, Penhorwood Property, Porcupine Mining Division, Northeastern Ontario.

Montgomery, J.K. and Sparling, G.
2009 Report of Mechanical Stripping on Golden Chalice Resources, Penhorwood Property, Timmins West Project, Porcupine Mining Division, Northeastern Ontario.

Montgomery, J.K.
2009c Report of the 2009 Geochemical Survey on Golden Chalice Resources, Penhorwood Property, Porcupine Mining Division, Northeastern Ontario.

Montgomery, J.K.
2010 Report on the 2010 diamond drilling of the Penhorwood Property, Porcupine Mining Division, Northeastern Ontario, prepared for Golden Chalice Resources.

CERTIFICATE OF QUALIFICATIONS

I, J. Kevin Montgomery, of the City of Timmins, Province of Ontario, do hereby certify that:

(1) I am a professional Consulting Geologist, residing at 1190 Lozanne Crescent, Timmins Ontario, P4P 1E8.

(2) I hold a B.Sc. Honours degree in Geological Sciences (1984) from Queen's University of Kingston, Ontario and a M.Sc. (App.) in Mineral Exploration (1987) from McGill University at Montreal, Quebec.

(3) I am a registered professional geoscientist with the Association of Professional Geoscientists of Ontario.

(4) This report is based on my supervision of the exploration work conducted on the Penhorwood Property in 2010.

(5) I have no personal interest in the property covered by this report.

(6) Permission is granted for the use of this report, in whole or in part, for assessment and qualification requirements but not for advertising purposes.

Kevin Montgomery

Dated at Timmins, Ontario
this 30th day of August, 2010

J. Kevin Montgomery, P.Geo., M.Sc. (App.)

APPENDIX A DRILL HOLE LOGS

APPENDIX B ANALYTICAL RESULTS

APPENDIX C SUMMARY OF EXPENDITURES

Golden Chalice Resources
Penhorwood Property
Diamond Drilling Program
Porcupine Mining Division
May 15 to August 30, 2010

Senior Geologists		$ 8,418.75
Geological Field Technicians		$ 9,774.00
Core Drilling		$ 65,512.84
Core Shack Rental (1 month)		$ 1,575.00
Travel expenses		$ 183.12
Exploration Supplies		$ 254.61
Assaying		$ 14,548.93
Transport samples to Lab		$ 205.74
Truck Rental (1 months)		$ 2,000.00
ATV Rental (1 months)		$ 1,000.00
Fuel		$ 328.70
Report Writing & Map Drafting		$ 4,520.00
	TOTAL	**$ 108,322**

Distribution of Expenditures per Claim

Claim No	Hole	Length	Total drilled on claim	Portion of total drilling	claim expenditure
4207057	TW10-01 assays	n/a			**$2,887**
4207037	TW10-02 assays	n/a			$1,608
4207037	TW10-03 assays	n/a			$2,538
4207037	TW10-04 assays	n/a			$1,082
4207037	**TOTAL**				**$5,228**
4207036	TW10-05 assays	n/a			$1,871
4207036	TW10-06 assays	n/a			$1,098
4207036	TW10-07	176		0.27	$26,254
4207036	TW10-08	173		0.27	$26,254
4207036	TW10-09	176		0.27	$26,254
4207036	TW10-10	125		0.19	$18,476
4207036	**TOTAL**	650			**$100,207**

Certified by: *Kevin Montgomery*
Date: August 30, 2010
Note: This certificate has been constructed from the invoices submitted to Golden Chalice Resources.

GOLDEN CHALICE RESOURCES INC

Date: 17 Aug, 2010 | GOLDEN CHALICE RESOURCES | Page: 1 of 7

Northing:	5334532.00
Easting:	421704.00
Elevation:	353.00
Collar Azi.:	360.0
Collar Dip:	-45.0
Hole length:	176.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Handheld GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	J. Craig
Date(s) logged:	May 10, 2010
Purpose:	N/A
Core storage:	Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
29	1.6	-45.1
80	359.5	-44.8
131	.6	-44.8
176	1.8	-44.6

Drill Hole:	TW-10-05
Project:	Timmins West
Property:	Timmins West
Claim:	4207036
Northing:	45N
Easting:	L1800E
GPS Northing:	5334532
GPS Easting:	421704
Date Started:	May 8, 2010
Date completed:	May 10, 2010
Drilled by:	Bradley Bros
Sample type:	Cut Core
Analyses:	PM 30g FA, BM AA
Lab:	Expert
Sample series:	146433-524
Lab report:	102150, 102151

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	19.40	OVERBURDEN															
		19.4m Casing with 2.2 metre felsic volcanics in															
		casing, likely a boulder.															
19.40	91.20	MAFIC V0LCANIC (UNDIFFERENTIATED)															
		Fine grained, hard, dark grey to black to	146433	19.40	20.00	.60	10										
		grey-green, heavily altered mafic volcanics,	146434	20.00	21.00	1.00	10										
		massive, bleaching alteration associated with	146435	21.00	22.00	1.00	<10										
		pyrite, variable magnetics from strong to moderate	146436	22.00	23.00	1.00	170										
		to weak. Strongly magnetic where darker and fine	146437	23.00	24.00	1.00	90										
		grained black magnetite present, may be the cause	146438	24.00	25.00	1.00	10										
		of the anomaly.	146439	25.00	26.00	1.00	<10										
		Weak to moderate chlorite alteration, moderate	146440	26.00	27.00	1.00	10										
		pervasive ankerite alteration, patchy brown-buff	146441	27.00	28.00	1.00	10										
		bleaching (could be sericite+ankerite), weak	146442	28.00	29.00	1.00	10										
		carbonate alteration, minor silicification, minor	146443	29.00	30.00	1.00	<10										
		pinkish weak potassic alteration, weak-moderate	146444	30.00	31.00	1.00	50										
		epidote alteration, weak sericite alteration, weak	146445	31.00	32.00	1.00	90										
		very minor reddish hematite alteration. Alteration	146446	32.00	33.00	1.00	<10										
		heightened where veining increased.	146447	33.00	33.00	.00	<10										
		Good RQD of 80-85%.	146448	35.50	36.50	1.00	10										
		Weak fracturing at 60-70 degrees to core axis with	146449	36.50	37.50	1.00	80										
		minor quartz+/-carbonate filling fractures.	146450	37.50	38.50	1.00	10										
		2-5% Quartz+/-carbonate veining at 50-70 degrees to	146451	38.50	39.50	1.00	10										
		core axis and cross-cutting at 5-10 degrees to core	146452	39.50	39.50	.00	260										

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		axis, some veins have bleached buff-brown halos or	146453	39.50	40.50	1.00	10										
		are associated with bleaching.	146454	40.50	41.50	1.00	<10										
		Sulphides mainly consist of finely disseminated to	146455	41.50	42.50	1.00	10										
		stringer pyrite, 0.5-1% with few pyrite blebs, and	146456	42.50	43.00	.50	20										
		fine grained pyrite 1-2% associated with bleached	146457	43.00	44.00	1.00	20										
		brown alteration. Trace chalcopyrite.	146458	44.00	45.00	1.00	10										
		Weak shearing but where obvious shear sense is	146459	45.00	46.00	1.00	180										
		~60-65 degrees to core axis.	146460	46.00	47.00	1.00	30										
		Unit appears somewhat fragmental with spots of	146461	47.00	48.00	1.00	20										
		angular potassic and epidote altered fragments,	146462	48.00	49.00	1.00	<10										
		~1-3% in frequency.	146463	49.00	50.00	1.00	10										
	36.50 38.00	Brown to buff, fine grained, bleached	146464	50.00	51.00	1.00	10										
		possibly sericite+ankerite altered	146465	51.00	52.00	1.00	20										
		section with a mottled appearance and	146466	52.00	53.00	1.00	20										
		veining at 60 degrees to core axis and	146467	53.00	53.00	.00	<10										
		crosscutting at 5 degrees to core axis.	146468	53.00	54.00	1.00	<10										
	42.40 43.00	Brown to buff, fine grained, bleached	146469	54.00	55.00	1.00	20										
		possibly sericite+ankerite altered	146470	55.00	56.00	1.00	20										
		section with three 10cm long white	146471	56.00	56.70	.70	20										
		quartz veins/sections hosting trace	146472	56.70	56.70	.00	9320										
		chalcopyrite and pyrite.	146473	56.70	57.50	.80	<10										
	44.30	Mottled yellow epidote alteration over	146474	57.50	58.50	1.00	20										
		40 cm.	146475	58.50	59.50	1.00	20										
	46.00	30cm weak reddish-grey hematite	146476	59.50	60.30	.80	20										
		alteration.	146477	60.30	61.30	1.00	20										
	47.60 48.00	Epidote and salmon coloured potassic	146478	76.00	77.00	1.00	20										
		alteration along shear.	146479	77.00	77.20	.20	<10										
	49.70 50.00	Chlorite and epidote alteration in a	146480	77.20	78.20	1.00	20										
		heavily quartz veined section.	146481	80.30	81.30	1.00	20										
	49.70 57.60	Lighter grey to grey-green, hard,	146482	81.30	81.30	.00	<10										
		possible pillow breccia (pillows	146483	81.30	82.30	1.00	<10										
		developed more obviously at 57m), ~10%	146484	82.30	83.30	1.00	20										
		quartz+/-carbonate veined section	146485	83.30	84.30	1.00	20										
		(veins white, hair-like to 3cm thick	146486	84.30	85.00	.70	20										
		and trending 70 degrees to core axis	146487	85.00	86.00	1.00	<10										
		and crosscutting at 50 degrees to core	146488	90.20	91.20	1.00	<10										
		axis) with minor bleaching and minor															
		epidote and sericite alteration mainly															
		as vein alteration halos. Mineralized															
		with 0.5-1% fine grained pyrite.															
	51.90	Rusty iron carbonate staining on															
		fractured surfaces.															
	55.90 57.10	Circular pillow selvages observed and															
		more obvious, better defined by															
		chlorite and carbonate stringers, up to															
		10-15cm in size, likely an altered															
		pillow breccia.															
	58.50 60.30	Potassic altered dark grey, very hard,															
		porhyritic section with contacts at 50															
		degrees to core axis. 5-10% phenocrysts															
		of potassic altered feldspars.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Carbonate stringers with 1cm long epidote alteration halos.															
	61.80	62.20 Potassic altered dark grey, very hard, porhyritic section. 5% phenocrysts of potassic altered feldspars.															
	62.20	Unit switches to darker grey and visibly less altered, ankerite stains blue where core fades out of the darker grey and into a medium grey section. 2-3% quartz+/-carbonate veins at 70 and 50 degrees to core axis, some carbonate veins also have reddish hematite and purplish flourite, also few quartz+carbonate veins are vuggy.															
	70.80	Lighter grey ankerite altered section with 3% quartz+/-carbonate veining.															
	77.00	Quartz+carbonate vein at 70 degrees to core axis, 20cm thick, white, hard, with 10-15% angular sheared mafic volcanic fragments 0.5-3cm in size.															
	81.30	84.90 30cm of strongly bleached alteration, epidote alteration, after epidote alteration is patchy in segments 20cm long.															
	Sharp lower	contact at 40-50 degrees to core axis.															
	19.40	20.00 Trace to 0.5% finely disseminated pyrite															
	20.00	21.00 1% fine grained disseminated pyrite with few blebs in weak hematite alteration.															
	21.00	22.00 0.5-1% fine grained disseminated pyrite and small 1-2mm pyrite blebs/nodules.															
	22.00	23.00 1-1.5% blebby and disseminated pyrite.															
	23.00	24.00 1-1.5% fine grained pyrite.															
	24.00	25.00 0.5% fine grained disseminated pyrite.															
	25.00	26.00 Trace finely disseminated pyrite.															
	26.00	27.00 Trace finely disseminated pyrite in potassic alteration.															
	27.00	28.00 Trace finely disseminated pyrite in potassic and chlorite alteration.															
	28.00	29.00 Trace-0.5% finely disseminated pyrite in potassic and chlorite alteration.															
	29.00	30.00 0.5-1% finely disseminated pyrite.															
	30.00	31.00 0.5-1% finely disseminated pyrite.															
	31.00	32.00 0.5-1% finely disseminated pyrite.															
	32.00	33.00 0.5-1% finely disseminated pyrite.															
	33.00	Blank.															
	35.50	36.50 0.5% finely disseminated pyrite.															
	36.50	37.50 0.5-1% finely disseminated and cubic pyrite in bleached section.															
	37.50	38.50 0.5-<1% finely disseminated and cubic pyrite in bleached section.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		38.50 39.50 0.5-0.75% pyrite and trace chalcopyrite in weak bleaching.															
		39.50 Standard pm 402.															
		39.50 40.50 0.5-1% finely disseminated and cubic pyrite.															
		40.50 41.50 0.5% finely disseminated pyrite.															
		41.50 42.50 Trace to 0.5% finely disseminated pyrite															
		42.50 43.00 Quartz veins with trace chalcopyrite and pyrite.															
		43.00 44.00 0.5% fine grained pyrite in ankerite altered section.															
		44.00 45.00 Trace pyrite in epidote altered area.															
		45.00 46.00 0.5% fine grained pyrite in quartz vein and silcified section.															
		46.00 47.00 Trace to 0.5% finely disseminated pyrite															
		47.00 48.00 0.5% finely disseminated pyrite.															
		48.00 49.00 0.5% finely disseminatd pyrite, one 1cm large chalcopyrite bleb, 0.5%.															
		49.00 50.00 0.5% finely disseminated pyrite.															
		50.00 51.00 Trace to 0.5% finely disseminated pyrite															
		51.00 52.00 Trace to 0.5% finely disseminated pyrite															
		52.00 53.00 1% fine grained disseminatd pyrite.															
		53.00 Blank.															
		53.00 54.00 1% fine grained disseminatd pyrite with few larger blebs.															
		54.00 55.00 0.5-1% fine grained disseminated pyrite.															
		55.00 56.00 0.5% fine grained pyrite.															
		56.00 56.70 Trace to 0.5% finely disseminated pyrite															
		56.70 Standard pm 908.															
		56.70 57.50 0.5% fine grained pyrite.															
		57.50 58.50 0.5% fine grained pyrite.															
		58.50 59.50 Trace pyrite in potassic altered section															
		59.50 60.30 Trace pyrite in potassic altered section															
		60.30 61.30 Trace pyrite.															
		76.00 77.00 Trace pyrite, bracket sample.															
		77.00 77.20 Trace pyrite in quartz vein.															
		77.20 78.20 Trace pyrite, bracket sample.															
		80.30 81.30 Trace pyrite, bracket sample.															
		81.30 Blank.															
		81.30 82.30 Trace pyrite, epidote and bleached section.															
		82.30 83.30 Trace to 0.5% pyrite in epidote+quartz vein.															
		83.30 84.30 Trace to 0.5% pyrite.															
		84.30 85.00 Trace pyrite.															
		85.00 86.00 Trace pyrite, bracket sample.															
		90.20 91.20 Trace pyrite, bracket sample.															
91.20	94.00	FELDSPAR PORPHYRY															
		Fine grained matrix, buff-orange in colour, very	146489	91.20	92.00	.80	<10										
		hard, non-magnetic, felsic intrusive, feldspar	146490	92.00	93.00	1.00	<10										

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		porphyry with ~1-1.5mm euhedral-subhedral white	146491	93.00	94.00	1.00	20										
		altered plagioclase phenocrysts.															
		Weak-moderate orangish potassic alteration and															
		moderate silicification.															
		Good RQD of 90% with very weak fracturing.															
		Up to 1% thin hair-like carbonate stringers at 40															
		and 60 degrees to core axis.															
		No visible sulphides.															
		~20-30% plagioclase phenocrysts.															
		91.20 92.00 Unit is fine grained and greyish with															
		lesser phenocrysts as a result of															
		contact metamorphism.															
		Sharp lower contact at 50 degrees to core axis.															
		91.20 92.00 No visible sulphides.															
		92.00 93.00 No visible sulphides.															
		93.00 94.00 No visible sulphides.															
94.00	104.80	MAFIC V0LCANIC (UNDIFFERENTIATED)															
		Fine grained to medium grained (variable textures),	146492	94.00	94.00	.00	2000										
		hard, dark grey to black to grey-green where more	146493	94.00	95.00	1.00	<10										
		bleached and veined, altered mafic volcanics,	146494	101.60	102.60	1.00	<10										
		massive, patchy magnetism.	146495	102.60	103.60	1.00	<10										
		Weak chlorite alteration, weak ankerite alteration,	146496	103.60	104.00	.40	<10										
		patchy buff bleaching (could be sericite+ankerite),	146497	104.00	104.80	.80	<10										
		weak carbonate alteration, minor weak pink potassic															
		alteration, weak epidote alteration. Alteration															
		heightened where veining increased.															
		Good RQD of 85% with weak fracturing.															
		3-8% (more frequent where unit is grey-green, more															
		altered/bleached) quartz+/-carbonate stringers at															
		60 degrees to core axis and 45 degrees to core axis.															
		Trace to 0.5% disseminated pyrite.															
		~1-2% buff-beige fine grained 1-2mm long linear															
		epidote disseminations throughout matrix.															
		101.60 104.80 Lighter grey-green, more heavily															
		altered/bleached/and veined section,															
		possible pillow selvages, could be a															
		section of pillow breccia.															
		102.00 30cm broken core section, RQD of 30%.															
		103.60 103.90 White quartz vein at 70 degrees to															
		core axis with trace pyrite and trace															
		blue-green fuchsite and 5% angular															
		epidote altered mafic volcanic															
		fragments with ~10-20cm of bleaching															
		on both sides of vein.															
		Weak shearing noted in bleached areas at ~70															
		degrees to core axis.															
		Sharp lower contact at 40 degrees to core axis.															
		94.00 Standard pm 417.															
		94.00 95.00 Trace pyrite, bracket sample.															
		101.60 102.60 Trace pyrite, bracket sample.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		102.60 103.60 Trace pyrite in bleaching.															
		103.60 104.00 Trace pyrite in a quartz vein.															
		104.00 104.80 Trace pyrite in altered section.															
104.80	105.80	FELDSPAR PORPHYRY															
		Fine grained matrix, buff-orange in colour, very hard, non-magnetic, felsic intrusive, feldspar porphyry with ~1-1.5mm euhedral-subhedral white altered plagioclase phenocrysts. Weak-moderate orangish potassic alteration and moderate silicification. Good RQD of 85% with very weak fracturing. Up to 1% thin quartz+carbonate stringers at 30 and 60 degrees to core axis, few thin hair-like chlorite stringers at 60 degrees to core axis. No visible sulphides. ~10% plagioclase phenocrysts. Sharp but irregular lower contact at 35 degrees to core axis. 104.80 105.80 Trace pyrite in feldspar porphyry.	146498	104.80	105.80	1.00	<10									
105.80	176.00	ANDESITE MASSIVE FL0W															
		Fine grained to medium grained (variable textures) likely an andesitic flow, hard, dark grey to black, altered mafic volcanics, massive, patchy magnetism. Weak chlorite alteration, weak ankerite alteration, patchy buff bleaching (could be sericite+ankerite), weak carbonate alteration, minor weak pink potassic alteration, weak epidote alteration. Alteration heightened where veining increased. Good RQD of 85%, weak fracturing at 60 degrees to core axis. 1-5% Thin hair-like carbonate stringers at 60 degrees to core axis, epidote stringers at 50-60 degrees to core axis, 1% quartz veining at 70 degrees to core axis to veins are deformed and folded with ptygmatic folds. Minor finely disseminated pyrite, ~0.5%. Unit is mostly dark grey with 10-20cm blotches of mixed alteration, mainily epidote, some minor bleaching. Micro-faults/fractures at ~65 degrees to core axis.	146499	105.80	106.80	1.00	<10									
			146500	123.50	124.50	1.00	10									
			146501	124.50	124.70	.20	10									
			146502	124.70	124.70	.00	<10									
			146503	124.70	125.70	1.00	<10									
			146504	125.70	126.70	1.00	10									
			146505	126.70	127.70	1.00	<10									
			146506	127.70	128.00	.30	40									
			146507	128.00	129.00	1.00	<10									
			146508	160.20	161.20	1.00	<10									
			146509	161.20	162.20	1.00	<10									
			146510	162.20	163.20	1.00	30									
			146511	163.20	164.20	1.00	<10									
			146512	164.20	164.20	.00	250									
			146513	164.20	165.20	1.00	<10									
			146514	165.20	166.20	1.00	<10									
			146515	166.20	167.20	1.00	<10									
			146516	167.20	168.20	1.00	<10									
			146517	168.20	169.20	1.00	<10									
			146518	170.50	171.50	1.00	<10									
		124.50 20cm white quartz vein at 40 degrees to core axis with 5% mafic fragments and trace to 0.5% pyrite.	146519	171.50	172.30	.80	<10									
			146520	172.30	173.00	.70	<10									
			146521	173.00	174.00	1.00	<10									
		155.00 Unit grades from dark grey to a medium dark grey with more frequent quartz+/- carbonate veining (~5-7%) and more alteration with minor bleaching, minor potassic alteration, and epidote alteration.	146522	174.00	174.00	.00	<10									
			146523	174.00	175.00	1.00	<10									
			146524	175.00	176.00	1.00	<10									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		161.60 162.60 Siliceous zone of grey quartz, epidote alteration and 0.5-1% pyrite.															
		171.50 1-2cm quartz vein at 50-60 degrees to core axis.															
		172.30 172.90 4cm thick quartz vein at 10 degrees to core axis, with magnetite in vein making it very magnetic.															
		105.80 106.80 Trace pyrite, bracket sample.															
		123.50 124.50 Trace to 0.5% pyrite, bracket sample.															
		124.50 124.70 0.5% pyrite in white quartz vein.															
		124.70 Blank.															
		124.70 125.70 Trace pyrite.															
		125.70 126.70 Trace pyrite in epidote altered section.															
		126.70 127.70 Trace pyrite.															
		127.70 128.00 0.5% pyrite and trace chalcopyrite in epidote altered area.															
		128.00 129.00 Trace to 0.5% pyrite.															
		160.20 161.20 Trace pyrite, bracket sample.															
		161.20 162.20 0.5-0.75% pyrite in siliceous zone.															
		162.20 163.20 Up to 0.5% finely disseminated pyrite in silicified and epidote altered section.															
		163.20 164.20 Up to 0.5% finely disseminated pyrite in epidote altered/sheared area.															
		164.20 Standard pm 402.															
		164.20 165.20 Up to 0.5% finely disseminated pyrite in potassic and epidote altered area.															
		165.20 166.20 0.5% finely disseminated pyrite.															
		166.20 167.20 0.5-0.75% finely disseminated pyrite within quartz carbonate veins.															
		167.20 168.20 Trace to 0.5% pyrite in sericite and epidote altered section.															
		168.20 169.20 Trace pyrite, bracket sample.															
		170.50 171.50 Trace pyrite, bracket sample.															
		171.50 172.30 ~2% pyrite in 1-2cm quartz vein.															
		172.30 173.00 Trace pyrite with magnetite in quartz vein.															
		173.00 174.00 Finely disseminated pyrite, up to 0.5%															
		174.00 Blank.															
		174.00 175.00 Finely disseminated pyrite, up to 0.5%															
		175.00 176.00 Finely disseminated pyrite, up to 0.5%															
176.00		END OF HOLE															

Date: 17 Aug, 2010 | GOLDEN CHALICE RESOURCES | Page: 1 of 6

Northing: 5335136.00
Easting: 423046.00
Elevation: 352.00

Collar Azi.: 330.0
Collar Dip: -45.0

Hole length: 152.00
Units: Metric
Core size: NQ
Grid: Metric 2007

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: N/A
Logged by: J. Craig
Date(s) logged: May 6,10, 2010
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
20	332.1	-45.9
71	333.0	-45.7
122	332.9	-45.6
152	332.1	-45.7

Drill Hole: TW-10-04

Project: Timmins West
Property: Timmins West
Claim: 4207037
Northing: N/A
Easting: N/A
GPS Northing: 5335136
GPS Easting: 423046
Date Started: May 4, 2010
Date completed: May 7, 2010
Drilled by: Bradley Bros
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 146384-432
Lab report: 26809

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%)	Ni(%)
.00	10.00	OVERBURDEN 10m Casing.															
10.00	105.20	FELSIC INTRUSIVE (UNDIFFERENTIATED) Medium to coarse grained, pink-orange salmon to buff coloured, very hard, non-magnetic, massive, homogeneous. Quartz, and few mafic phenocrysts. Possibly a quartz-porphyry. Pervasive potassic pink alteration, moderate silicification alteration, weak epidote alteration (buff epidote disseminations seen throughout core), minor sericite along slip selvages and patchy bleaching, weak chlorite alteration. Good RQD of 70-75% with several more broken lower RQD segments. Weak fracturing at 40-60 degrees to core axis with minor white quartz filling fractures. Few thin hair-like dark chlorite veinlets at 50 degrees to core axis, and cross-cutting at 80 degrees to core axis, ~1% white quartz veins at 40 degrees to core axis and 10 degrees to core axis ~1-2cm wide with disseminated pyrite and pyrite blebs as well as trace silvery possible arsenopyrite, up to 1% pink calcite veinlets at 60 degrees to core axis.	146384	12.00	13.00	1.00	27	<5	<5	<.2	30	21	17	5	14		
			146385	13.00	14.00	1.00	46	<5	<5	<.2	30	16	15	3	14		
			146386	14.00	15.00	1.00	6	<5	<5	<.2	31	16	18	4	12		
			146387	16.60	17.60	1.00	6	<5	<5	<.2	48	14	11	4	11		
			146388	17.60	18.40	.80	51	<5	<5	<.2	23	18	11	9	13		
			146389	18.40	19.40	1.00	84	<5	<5	<.2	35	17	16	7	12		
			146390	30.50	31.50	1.00	6	<5	<5	<.2	30	18	19	6	14		
			146391	31.50	31.80	.30	7	<5	<5	<.2	15	15	13	4	10		
			146392	31.80	32.80	1.00	8	<5	<5	.2	30	20	20	8	14		
			146393	34.60	35.60	1.00	5	<5	<5	<.2	30	19	23	5	14		
			146394	35.60	36.60	1.00	<5	<5	<5	<.2	33	20	31	6	15		
			146395	36.60	37.60	1.00	5	<5	<5	<.2	28	23	31	8	12		
			146396	37.60	37.60	.00	282	6	<5	.2	61	25	42	16	92		
			146397	37.60	38.60	1.00	7	<5	<5	<.2	28	23	34	9	14		
			146398	38.60	39.60	1.00	7	5	<5	<.2	29	22	37	7	14		
			146399	39.60	40.60	1.00	6	<5	<5	<.2	31	20	22	4	14		
			146400	49.50	50.50	1.00	7	5	<5	<.2	33	19	19	8	13		
			146401	50.50	50.70	.20	22	<5	<5	1.2	30	27	14	22	28		
			146402	50.70	51.70	1.00	5	<5	<5	<.2	37	18	22	4	14		
			146403	51.70	51.70	.00	<5	<5	<5	<.2	10	17	4	<2	6		
			146404	60.40	61.40	1.00	<5	<5	<5	<.2	32	15	15	4	13		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		0.5% Fine grained disseminated pyrite with few coarse cubic grains/blebs that make up to 2% pyrite, 0.5-2% pyrite in few quartz veins and possible trace silvery arsenopyrite. Possible quartz porphyry with up to 10% small 1mm size clear quartz phenocrysts. Yellow to greenish epidote fine grained grains/disseminations, ~2-5%.	146405	61.40	62.00	.60	10	<5	<5	.6	28	39	14	10	22		
			146406	62.00	63.00	1.00	9	<5	<5	.2	63	116	61	17	37		
			146407	77.70	78.70	1.00	6	<5	<5	.2	24	26	18	9	18		
			146408	78.70	79.10	.40	23	5	<5	.6	48	83	49	25	46		
			146409	79.10	80.10	1.00	11	<5	<5	<.2	22	21	18	7	18		
			146410	80.10	81.10	1.00	33	7	<5	<.2	20	20	18	8	15		
		31.50 31.80 205-30cm long white quartz vein with finely disseminated pyrite and possible trace arsenopyrite.															
		35.60 39.70 Pink-grey alteration, coarser grained, more mafic looking with more concentrations of chlorite phenocrysts.															
		50.50 15cm long 3-4cm thick white quartz vein with a 1cm band of coarse 1-2% pyrite along one edge of the vein at 40-50 degrees to core axis.															
		54.00 Semi-massive fine grained fragment of 5% pyrite along fracture at 40 degrees to core axis.															
		56.00 57.00 Broken core section, RQD of ~40%.															
		56.40 56.50 10cm long mafic dyke, chlorite and schistose texture with bleached contacts, sheared at ~80 degrees to core axis.															
		61.40 62.00 1-2cm thick quartz veins at 40 degrees to core axis and 10 degrees to core axis in more bleached section with 1% pyrite in large blebs in veins.															
		62.00 67.00 Medium grey, medium grained, chlorite altered section with weak potassic alteration and trace to 0.5% pyrite.															
		62.00 67.00 Broken core section, RQD of ~20% coincident with chlorite alteration.															
		73.00 Less pink potassic alteration, unit is a more buff-grey colour as it grades into bleached orangish alteration.															
		77.70 84.00 Unit is bleached to light white-orange with fine grained disseminated pyrite.															
		78.70 79.10 Foliated/deformed alteration lensitic of mix of potassic and green possibly weak chlorite alteration with fine grained 1% pyrite, weakly foliated at 70 degrees to core axis and folded milky-white thin quartz veinlets and sharp contacts at 50 degrees to core axis.															
		84.00 94.00 Potassic alteration with coarser chlorite phenocrysts.															
		94.00 100.20 Alteration is less potassic altered															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		and now light grey with weak chlorite alteration and minor bleaching.															
		100.20 103.70 Unit is gradually more red/maroon in colour, possibly a mix of chlorite, potassic alteration and silicification with possible hematite alteration, possibly a result of contact metamorphism with lower unit.															
		103.70 105.20 Alteration gradually switches out of reddish/maroon alteration and into grey chlorite alteration at contact area.															
		103.70 105.20 Broken core section, RQD of ~25-30%, coincident with grey chloritic alteration.															
		Irregular lower contact ~80 degrees to core axis.															
		12.00 13.00 Bracket sample, 0.5% fine grained disseminated pyrite.															
		13.00 14.00 Bracket sample, 0.5% fine grained disseminated pyrite, 2 thin quartz veins															
		14.00 15.00 Bracket sample, 0.5% fine grained disseminated pyrite.															
		16.60 17.60 Bracket sample, 0.5% fine grained disseminated pyrite.															
		17.60 18.40 Pale buff bleached alteration, fine grained disseminated pyrite.															
		18.40 19.40 Bracket sample, 0.5% fine grained disseminated pyrite.															
		30.50 31.50 Bracket sample, 0.5% fine grained disseminated pyrite.															
		31.50 31.80 20-30cm long white quartz vein with finely disseminated pyrite and possible trace very fine grained arsenopyrite.															
		31.80 32.80 Bracket sample, 0.5% fine grained disseminated pyrite.															
		34.60 35.60 Bracket sample, 0.5% fine grained disseminated pyrite.															
		35.60 36.60 Pink-grey potassic and chloritic alteration, more mafic, finely disseminated pyrite, 0.5%.															
		36.60 37.60 Pink-grey potassic and chloritic alteration, more mafic, finely disseminated pyrite, 0.5%.															
		37.60 Standard pm 402.															
		37.60 38.60 Pink-grey potassic and chloritic alteration, more mafic, finely disseminated pyrite, 0.5%.															
		38.60 39.60 Pink-grey potassic and chloritic alteration, more mafic, finely disseminated pyrite, 0.5%.															
		39.60 40.60 Bracket sample, 0.5% fine grained															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		disseminated pyrite.															
		49.50 50.50 Bracket sample, 0.5% fine grained disseminated pyrite.															
		50.50 50.70 1-2% coarse pyrite within a quartz vein.															
		50.70 51.70 Bracket sample, 0.5% fine grained disseminated pyrite.															
		51.70 Blank.															
		60.40 61.40 Bracket sample, 0.5% fine grained disseminated pyrite.															
		61.40 62.00 ~1% coarse pyrite in quartz veins in more bleached felsic intrusive.															
		62.00 63.00 Bracket sample, 0.5% fine grained disseminated pyrite in grey chlorite altered segment.															
		77.70 78.70 0.5% fine grained disseminated pyrite in alteration bleaching.															
		78.70 79.10 1% fine grained pyrite in bleached/mixed deformed alteration.															
		79.10 80.10 0.5% fine grained disseminated pyrite in alteration bleaching.															
		80.10 81.10 0.5% fine grained disseminated pyrite in alteration bleaching.															
105.20	152.00	PERIDOTITE															
		Dark grey to black, fine grained, hard, non-magnetic, homogeneous, chlorite+ankerite altered peridotite.	146411	113.00	114.00	1.00	22	14	12	.4	1007	487	80	32	85		
			146412	114.00	115.00	1.00	9	23	12	.2	212	647	111	37	89		
			146413	115.00	115.00	.00	10350	<5	<5	3.4	374	98	58	141	88		
		Moderate chlorite alteration, weak-moderate serpentine alteration, pervasive weak-moderate ankerite alteration (stained blue), patchy talc alteration, possible weak fuchsite alteration (pale green+ankerite alteration), potassic and silicified alteration near end of hole.	146414	115.00	116.00	1.00	32	10	11	.9	1873	609	182	37	208		
			146415	116.00	117.00	1.00	9	7	10	.7	568	624	85	31	87		
			146416	117.00	118.00	1.00	8	10	10	.5	324	579	158	31	87		
			146417	118.00	119.00	1.00	6	8	10	.4	259	568	59	32	82		
			146418	119.00	120.00	1.00	5	10	10	.2	103	514	41	28	75		
			146419	122.00	123.00	1.00	<5	9	10	.3	106	534	52	30	75		
		Good RQD of 75% with moderate fracturing and carbonate filling fractures.	146420	123.00	124.00	1.00	7	6	7	.3	92	368	35	25	64		
			146421	124.00	125.00	1.00	5	8	8	<.2	83	361	33	19	87		
		Up to 10% strong veining of greyish white ankerite (stained blue)+/-white calcite generally along shear but also crosscutting at 80 degrees to core axis and 5-10 degrees to core axis.	146422	143.50	144.50	1.00	5	<5	6	<.2	128	599	39	31	75		
			146423	144.50	144.50	.00	<5	<5	<5	.3	15	30	8	<2	7		
			146424	144.50	145.50	1.00	<5	<5	<5	.2	50	107	46	17	32		
			146425	145.50	146.10	.60	16	<5	<5	.2	55	287	49	21	43		
		General shear sense of 50 degrees to core axis.	146426	146.10	146.90	.80	11	<5	<5	.2	49	124	48	18	38		
		Mineralization consists of ~0.5-1% fine grained pyrite, 2-3mm rounded blebs/nodules of pyrite often with a carbonate rim, larger 1-4cm long blebs as well, ~1%, 0.5-2% pyrite filling carbonate veinlets, trace sphalerite and galena.	146427	146.90	147.70	.80	9	<5	<5	.5	41	144	46	19	37		
			146428	147.70	148.70	1.00	7	11	8	.3	91	649	44	29	57		
			146429	148.70	149.30	.60	11	12	11	.4	126	535	78	54	65		
			146430	149.30	150.30	1.00	16	6	<5	.3	38	72	42	29	21		
			146431	150.30	151.30	1.00	10	5	<5	.6	56	105	57	46	31		
		115.80 1-2% pyrite with trace reddish sphalerite and trace galena and red hematite.	146432	151.30	152.00	.70	11	<5	<5	2.1	66	113	78	116	34		
		126.50 127.20 Fine grained, very hard, grey, probably mafic, dyke with sharp contact at 80 degrees to core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
	140.20	140.70 Fine grained, very hard, grey-purplish red, probably mafic with weak potassic alteration and silicification, dyke with sharp contact at 50 degrees to core axis.															
	144.50	147.70 Fine grained to medium grained, reddish, very hard, silicified and potassic altered section with 2-3% quartz+/-carbonate stringers at 60-70 degrees to core axis with small quartz blebs in stringers and finely disseminated throughout altered section.															
	148.90	1-2% large 2cm long cubic pyrite crystals.															
	149.30	152.00 Fine grained to medium grained, mottled reddish to grey, alteration doesn't look as continuous as above, more mafic mottling, very hard, silicified and potassic altered section with 1% quartz+/-carbonate stringers at 60-70 degrees to core axis with small pyrite blebs in stringers and finely disseminated throughout altered section.															
	113.00	114.00 1% fine grained pyrite blebs and disseminations.															
	114.00	115.00 1% finely disseminated pyrite with a long pyrite along shear with trace galena and trace to 0.5% sphalerite.															
	115.00	Standard pm 908.															
	115.00	116.00 ~2% fine grained pyrite in 20 cm long stringer.															
	116.00	117.00 Up to 1% finely disseminated pyrite.															
	117.00	118.00 1-2% fine grained pyrite blebs and disseminations.															
	118.00	119.00 ~1% finely disseminated pyrite and pyrite stringers.															
	119.00	120.00 0.5% finely disseminated pyrite.															
	122.00	123.00 1% finely disseminated pyrite, trace sphalerite and trace galena.															
	123.00	124.00 Up to 1% finely disseminated pyrite with few small blebs.															
	124.00	125.00 ~1% finely disseminated pyrite with few small nodules.															
	143.50	144.50 0.5% finely disseminated pyrite.															
	144.50	Blank.															
	144.50	145.50 0.5% finely disseminated pyrite in red potassic alteration.															
	145.50	146.10 0.5% finely disseminated pyrite in red potassic veined alteration.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		146.10 146.90 0.5% finely disseminated pyrite in red potassic veined alteration.															
		146.90 147.70 0.5% finely disseminated pyrite in red potassic veined alteration.															
		147.70 148.70 0.5% finely disseminated pyrite in ankerite alteration.															
		148.70 149.30 1-2% coarse cubic pyrite crystals in ankerite alteration.															
		149.30 150.30 0.5% finely disseminated pyrite in ankerite alteration.															
		150.30 151.30 0.5% finely disseminated pyrite in ankerite alteration.															
		151.30 152.00 0.5% finely disseminated pyrite in ankerite alteration.															

GOLDEN CHALICE RESOURCES

DRILL HOLE RECORD

Date: 17 Aug, 2010

Northing:	423515.00
Easting:	*********
Elevation:	356.00
Collar Azi.:	335.0
Collar Dip:	-60.0
Hole length:	164.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Handheld GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	J. Craig
Date(s) logged:	April 30, May 03,04, 2010
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
17	329.5	-58.7
68	327.4	-58.3
119	334.7	-58.2
164	331.1	-58.2

Drill Hole:	TW-10-03
Project:	Timmins West
Property:	Timmins West
Claim:	4207037
Northing:	N/A
Easting:	N/A
GPS Northing:	5334800
GPS Easting:	423515
Date Started:	April 27, 2010
Date completed:	April 30, 2010
Drilled by:	Bradley Bros
Sample type:	Cut Core
Analyses:	PM 30g FA, BM AA
Lab:	Expert
Sample series:	146262-383
Lab report:	26808

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	4.40	OVERBURDEN															
		7m Casing.															
4.40	35.20	GABBRO															
		Coarse grained to medium grained, black to dark															
		grey, melanocratic gabbro, hard to very hard, weak															
		magnetism, homogeneous, massive.															
		Chlorite alteration.															
		Good RQD of 90%, weak fracturing.															
		Finely disseminated pyrite increasing with depth															
		with round pyrite grains near end, up to 0.5-1%.															
		Few patchy 5cm long leucogabbroic sections, and 1%															
		1cm altered orange phenocrysts appearing with depth.															
		Gabbro grades from coarse grained to medium grained															
		and down to fine grained at ~30m.															
		Rare 1% angular pink-orange potassic altered															
		fragments seen down unit.															
35.20	79.80	FELSIC TUFF															
		35.20 Fragments increase in prevalence to	146262	35.20	36.20	1.00	34	5	<5	.4	73	117	54	31	38		
		10-15%, with blocky angular felsic	146263	36.20	36.90	.70	114	<5	<5	5.4	810	108	7600	398	65		
		fragments up to 10cm in size	146264	36.90	37.80	.90	444	<5	<5	11.1	1227	42	2902	772	46		
		concentrated at fragmental lower	146265	37.80	38.80	1.00	220	<5	<5	9.4	667	42	2824	1068	39		
		contact over 2m.	146266	38.80	39.80	1.00	93	<5	<5	5.2	220	35	2023	483	28		
		Fine grained ash, very hard, dark to lighter grey	146267	39.80	40.80	1.00	98	<5	<5	5.4	237	33	2195	233	29		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		where chlorite altered, buffish where sericite	146268	40.80	41.80	1.00	108	<5	<5	5.4	535	25	1777	42	29		
		altered, magnetic where mineralized otherwise	146269	41.80	42.80	1.00	109	<5	<5	1.7	139	18	184	68	21		
		patchy, foliated/bedded, felsic ash tuff, likely	146270	42.80	43.80	1.00	62	<5	<5	2.6	135	27	421	26	27		
		rhyodacite in composition.	146271	43.80	43.80	.00	1300	<5	<5	35.3	25000	236	31000	2264	177		
		Chlorite alteration, siliceous alteration, weak	146272	43.80	44.80	1.00	75	<5	<5	5.7	711	38	3300	44	49		
		carbonate alteration, sericite alteration.	146273	44.80	45.80	1.00	37	<5	<5	1.7	188	24	1115	25	26		
		Good RQD of 90%, weak fracturing.	146274	45.80	46.80	1.00	34	<5	<5	2.4	603	24	368	32	30		
		~1% carbonate stringers at 50 degrees to core axis,	146275	46.80	47.80	1.00	96	<5	<5	7.3	1856	35	2425	27	41		
		hair-like chlorite stringers at 50 degrees to core	146276	47.80	48.80	1.00	110	<5	<5	2.5	574	31	130	28	42		
		axis, few hair-like red-brown hematite stringers,	146277	48.80	49.80	1.00	80	<5	<5	1.3	224	27	160	28	29		
		1% quartz-carbonate veins up to 5cm thick. Calcite	146278	49.80	50.80	1.00	165	5	<5	2.7	569	37	2808	53	43		
		veining more concentrated in sericite altered	146279	50.80	51.70	.90	169	<5	<5	4.0	281	36	420	119	50		
		sections.	146280	51.70	52.70	1.00	90	<5	<5	7.1	961	35	1063	142	42		
		Foliation/shear sense of ~45-50 degrees to core	146281	52.70	52.70	.00	<5	<5	<5	.3	33	12	29	8	7		
		axis with thin ash, chlorite and lesser magnetite	146282	52.70	53.20	.50	97	<5	<5	1.6	141	37	583	70	28		
		beds.	146283	53.20	54.20	1.00	98	<5	<5	1.9	179	30	546	128	27		
		Fine grained pyrite throughout unit, concentrated	146284	55.70	56.70	1.00	29	<5	<5	.5	46	83	102	53	19		
		as stringers along shear planes, with few vuggy	146285	56.70	57.70	1.00	166	<5	<5	7.9	552	31	7100	1152	26		
		pyrite bands, 1-5%. Reddish and honey brown to	146286	57.70	58.70	1.00	14	<5	<5	2.6	197	29	3657	198	23		
		rusty sphalerite disseminations, up to 1-3% and in	146287	58.70	59.70	1.00	24	5	<5	3.7	189	73	7400	811	27		
		stringers. Honey brown sphalerite seems to fringe	146288	59.70	60.50	.80	16	<5	<5	1.6	112	30	2684	240	20		
		on the reddish-maroon so-called 'black-jacks	146289	60.50	61.50	1.00	256	<5	<5	17.1	612	30	7100	839	22		
		sphalerite which are mostly observed together in	146290	61.50	62.50	1.00	50	<5	<5	9.6	198	26	4430	455	21		
		mixed chlorite and sericite altered or chlorite	146291	62.50	62.50	.00	7500	<5	<5	336.8	394	11	99	182	11		
		dominant altered sections. Few silvery/bluish	146292	62.50	63.50	1.00	40	<5	<5	7.1	108	39	2827	728	29		
		galena disseminations within the 'black-jacks	146293	63.50	64.50	1.00	21	<5	<5	5.5	79	33	17600	1132	24		
		sphalerite (trace to 0.5%).	146294	64.50	65.50	1.00	12	<5	<5	1.0	61	38	2074	106	25		
		Upper contact is fragmental over 2m with a mix of	146295	65.50	66.50	1.00	12	<5	<5	.7	73	54	267	51	33		
		maffic gabbro and felsic fragments. Reddish	146296	66.50	67.30	.80	13	<5	<5	.3	57	65	145	36	36		
		sphalerite dissemination 2cm thick noted to up to	146297	67.30	68.30	1.00	8	<5	<5	.4	65	49	64	36	25		
		1-2% with trace galena in fragmental upper contact	146298	68.30	69.30	1.00	16	<5	<5	.7	47	42	52	24	21		
		area at 36.7 over 20cm.	146299	69.30	70.30	1.00	11	<5	<5	.4	63	72	55	27	30		
		36.80 38.00 Tuff has a purplish-grey coloration,	146300	70.30	71.30	1.00	12	<5	<5	.4	66	52	61	27	26		
		likely due to a combination of	146301	71.30	71.30	.00	<5	<5	<5	<.2	12	14	8	<2	5		
		silicification and hematite alteration.	146302	71.30	72.30	1.00	352	<5	<5	.3	49	47	121	25	21		
	52.10	10cm 5cm thick quartz-carbonate vein at	146303	72.30	73.30	1.00	29	<5	<5	.8	91	85	1319	54	32		
		50 degrees to core axis with up to 1%	146304	73.30	74.30	1.00	38	<5	<5	1.0	56	35	107	40	23		
		pyrite.	146305	74.30	75.30	1.00	15	<5	<5	1.0	70	30	77	34	21		
	54.20 56.70	Grey-green, very hard, tuff has a	146306	75.30	76.30	1.00	11	<5	<5	.6	61	30	71	33	23		
		chloritic schistose texture.	146307	76.30	77.30	1.00	10	<5	<5	.5	64	30	56	42	21		
	35.20 60.50	Darker grey chlorite alteration	146308	77.30	78.00	.70	7	<5	<5	1.0	50	28	112	52	21		
		dominates.	146309	78.00	78.80	.80	28	<5	<5	1.7	62	56	566	304	30		
	58.70 59.10	Massive, homogeneous, hard, possible	146310	78.80	79.80	1.00	8	<5	<5	.6	58	34	117	80	22		
		intermediate dyke with contacts at 50															
		degrees to core axis with trace finely															
		disseminated pyrite.															
	60.50 67.10	Mix of weak-moderate chlorite and															
		sericite alteration. Honey brown															
		(~1-1.5%) and 'black-jacks (up to 2-3%)															
		sphalerite bands, up to 1.5cm thick															
		with bands of 2-3% pyrite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
	67.10	74.20 Buff-buffgreen sericite alteration dominates with more carbonate alteration and 3-5% calcite stringers.															
	74.20	76.20 Tuff is dark grey, chlorite altered with a schistose texture.															
	76.20	Sericite alteration more intense with bright yellow-green colouration, more homogeneous with 5-7% calcite stringers with pyrite and pyrrhotite within them, a mix of chlorite+sericite ~1m above lower contact.															
		Sharp lower contact at 45 degrees to core axis.															
	35.20	36.20 Up to 1% pyrite as round 1-2mm blebs and fine grained disseminations.															
	36.20	36.90 Up to 1% pyrite and ~1-2% reddish 'black-jacks sphalerite over 10cm with trace galena.															
	36.90	37.80 ~1-2% pyrite with up to 0.5% reddish 'black-jacks sphalerite in 1cm sized bleb, trace honey brown sphalerite.															
	37.80	38.80 2-3% pyrite with 0.5% reddish 'black-jacks sphalerite and trace honey brown sphalerite, trace galena within sphalerite.															
	38.80	39.80 2-3% pyrite, up to 1% reddish 'black-jacks sphalerite, 0.5% galena.															
	39.80	40.80 2-3% pyrite, up to 1% reddish 'black-jacks sphalerite along shear plane, trace honey brown sphalerite.															
	40.80	41.80 2-3% pyrite with 0.5% reddish 'black-jacks sphalerite and trace honey brown sphalerite, trace galena within sphalerite.															
	41.80	42.80 1% fine grained disseminated pyrite.															
	42.80	43.80 2-3% pyrite with 0.5% reddish 'black-jacks sphalerite and trace honey brown sphalerite, trace galena within sphalerite.															
	43.80	Standard gbm 303-1.															
	43.80	44.80 2-3% pyrite with 0.5-1% reddish 'black-jacks sphalerite and trace honey brown sphalerite, trace galena within sphalerite.															
	44.80	45.80 2-3% pyrite with 0.5-1% reddish 'black-jacks sphalerite and 0.5% honey brown sphalerite, trace galena within sphalerite.															
	45.80	46.80 2-3% pyrite with 0.5% reddish 'black-jacks sphalerite and 0.5% honey brown sphalerite.															
	46.80	47.80 3% pyrite with possible chalcopyrite,															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		up to 0.5% galena, and up to 0.5% sphalerite.															
	47.80	48.80 3% pyrite stringers along shear, trace sphalerite.															
	48.80	49.80 3% pyrite stringers along shear, trace sphalerite.															
	49.80	50.80 3% pyrite with ~1% reddish 'black-jacks sphalerite and 0.5% honey brown sphalerite.															
	50.80	51.70 3% pyrite stringers along shear, trace to 0.5% honey brown sphalerite.															
	51.70	52.70 3% pyrite stringers along shear, trace to 0.5% honey brown sphalerite.															
	52.70	Blank.															
	52.70	53.20 3% pyrite stringers along shear and ~1% in quartz-carbonate vein, 0.5% honey brown sphalerite.															
	53.20	54.20 3% pyrite stringers along shear.															
	55.70	56.70 0.5% finely disseminated pyrite.															
	56.70	57.70 3% pyrite, 2-3% 'black-jacks sphalerite, 1% honey brown sphalerite, trace galena.															
	57.70	58.70 3% pyrite, 1% 'black-jacks sphalerite, 1% honey brown sphalerite.															
	58.70	59.70 3% pyrite, 2% 'black-jacks sphalerite, 1-2% honey brown sphalerite, trace galena.															
	59.70	60.50 3% pyrite, 1-2% 'black-jacks sphalerite, 1-2% honey brown sphalerite.															
	60.50	61.50 3% pyrite, 2% 'black-jacks sphalerite, 2% honey brown sphalerite, trace galena.															
	61.50	62.50 3% pyrite, up to 2% 'black-jacks sphalerite, up to 2% honey brown sphalerite.															
	62.50	Standard gbm 997-4.															
	62.50	63.50 3% pyrite, 1% 'black-jacks sphalerite, 1% honey brown sphalerite.															
	63.50	64.50 3% pyrite, 3-4% 'black-jacks sphalerite, 2% honey brown sphalerite, 0.5% galena.															
	64.50	65.50 ~4% pyrite, 1% 'black-jacks sphalerite, 2-3% honey brown sphalerite, trace galena.															
	65.50	66.50 ~3% pyrite, up to 0.5-1% 'black-jacks sphalerite, 1-2% honey brown sphalerite.															
	66.50	67.30 ~3% pyrite, up to 0.5-1% 'black-jacks sphalerite, 1-2% honey brown sphalerite.															
	67.30	68.30 ~3% pyrite, trace 'black-jacks sphalerite, 1% honey brown sphalerite.															
	68.30	69.30 ~3% pyrite, up to 0.5-1% 'black-jacks sphalerite, up to 1% honey brown															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		sphalerite.															
		69.30 70.30 ~3% pyrite, trace 'black-jacks sphalerite, 0.5% honey brown sphalerite.															
		70.30 71.30 ~3% pyrite, trace sphalerite.															
		71.30 Blank.															
		71.30 72.30 2-3% pyrite, trace sphalerite.															
		72.30 73.30 Up to 2-3% pyrite, up to 1% 'black-jacks sphalerite, up to 1% honey brown sphalerite.															
		73.30 74.30 1-2% pyrite, 0.5-1% honey brown sphalerite.															
		74.30 75.30 1% pyrite, 0.5% pyrrhotite.															
		75.30 76.30 1-2% pyrite, trace pyrrhotite.															
		76.30 77.30 1-2% pyrite, 0.5% pyrrhotite.															
		77.30 78.00 1-2% pyrite, 0.5% pyrrhotite.															
		78.00 78.80 1-2% pyrite, 1% pyrrhotite.															
		78.80 79.80 1-2% pyrite, 1% pyrrhotite.															
79.80	86.90	FELDSPAR PORPHYRY															
		Pale grey to buff grey, hard, homogeous, medium to fine grained matrix with 10% up to 2mm plagioclase phenocrysts.	146311	79.80	79.80	.00	1200	<5	<5	34.4	25400	236	30800	2319	162		
			146312	79.80	80.80	1.00	29	<5	<5	1.1	66	16	85	32	13		
			146313	80.80	81.80	1.00	9	<5	<5	.7	34	17	57	29	11		
		Patchy yellow sericite alteration, moderately silicified (more so at upper contact).	146314	81.80	82.80	1.00	5	<5	<5	.2	28	16	41	16	9		
			146315	82.80	83.80	1.00	71	<5	<5	1.6	40	18	30	43	14		
		Good RQD of 90%, weak fracturing at 60 degrees to core axis with minor calcite filling fractures.	146316	83.80	84.80	1.00	8	<5	<5	.3	27	16	41	26	11		
			146317	84.80	85.80	1.00	5	<5	<5	.3	31	20	69	25	13		
		2-5% Quartz+/-carbonate stringers at 40-50 degrees to core axis, 1-2% calcite stringers at 70 degrees to core axis.	146318	85.80	86.90	1.10	20	<5	<5	.3	38	17	50	21	13		
		Few micro-faults at 80 degrees to core axis.															
		Finely disseminated pyrite (fine grained to cubic) and disseminated pyrrhotite blebs mainly in quartz+/-carbonate veins and carbonate gash veining.															
		Sharp lower contact at 45-50 degrees to core axis.															
		79.80 Standard gbm 996-3.															
		79.80 80.80 1-2% pyrite disseminated through unit and in quartz-carbonate vein with trace pyrrhotite.															
		80.80 81.80 1-2% disseminatd pyrite and 0.5% pyrrhotite.															
		81.80 82.80 1-2% disseminatd pyrite and 0.5% pyrrhotite, trace black-jack sphalerite.															
		82.80 83.80 2% pyrite, 1-1.5% pyrrhotite, mainly in a vein with quartz+chlorite.															
		83.80 84.80 2% pyrite, 0.5% pyrrhotite.															
		84.80 85.80 2% pyrite, 0.5% pyrrhotite.															
		85.80 86.90 ~1% fine grained pyrite.															
86.90	124.60	FELSIC TUFF															
		Fine grained ash, very hard, dark to lighter grey where chlorite altered, buffish where sericite	146319	86.90	87.90	1.00	51	<5	<5	1.2	63	41	1384	42	26		
			146320	87.90	88.90	1.00	27	<5	<5	2.1	112	27	372	27	25		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		altered, magnetic where mineralized otherwise	146321	88.90	88.90	.00	<5	<5	<5	<.2	15	13	11	<2	5		
		patchy, foliated/bedded, felsic ash tuff, likely	146322	88.90	89.90	1.00	37	<5	<5	2.7	111	39	3775	62	32		
		rhyodacite in composition.	146323	89.90	90.90	1.00	105	<5	<5	8.3	257	48	6700	45	42		
		Chlorite alteration (dominant), siliceous	146324	90.90	91.90	1.00	99	<5	<5	35.2	2086	57	9000	35	73		
		alteration, weak carbonate alteration, weak	146325	91.90	92.90	1.00	128	<5	<5	8.1	640	47	671	27	38		
		sericite alteration.	146326	92.90	93.90	1.00	116	<5	<5	3.6	396	58	99	32	38		
		Good RQD of 85-90% with weak fracturing and minor	146327	93.90	94.90	1.00	428	<5	<5	3.2	541	45	2840	25	35		
		5cm broken sections of core.	146328	94.90	95.90	1.00	341	<5	<5	1.4	318	64	706	33	32		
		Weak fracturing along shear of 40-50 degrees to	146329	95.90	96.90	1.00	56	<5	<5	1.7	321	40	91	23	26		
		core axis with dark grey-green chlorite generally	146330	105.20	106.20	1.00	14	<5	<5	1.5	63	57	134	58	28		
		thinly filling fractures.	146331	106.20	106.20	.00	7890	<5	<5	338.4	383	11	100	189	9		
		Shear foliation/ash bedding at 40-50 degrees to	146332	106.20	107.20	1.00	42	<5	<5	4.7	106	108	594	1539	43		
		core axis. Thin ash layers mostly consist of	146333	107.20	108.20	1.00	21	<5	<5	1.1	72	85	493	244	39		
		chlorite altered fine grained ash tuff that's dark	146334	110.80	111.80	1.00	30	<5	<5	1.3	62	109	256	87	37		
		grey and rarely bleached to buff-yellow where weak	146335	111.80	112.80	1.00	18	<5	<5	1.4	75	66	2474	290	36		
		and rare sericite alteration is present. Tuff ash	146336	112.80	113.80	1.00	67	<5	<5	4.2	109	97	8500	2229	43		
		beds are variably silicified down hole.	146337	113.80	114.80	1.00	32	<5	<5	4.7	365	107	9000	1550	44		
		1-2% Calcite veins at 50-60 degrees to core axis,	146338	114.80	115.80	1.00	43	<5	<5	3.9	293	116	5800	429	50		
		some along foliation, some cross-cutting foliation	146339	115.80	116.80	1.00	22	<5	<5	3.9	208	111	8200	617	47		
		at 45-60.	146340	116.80	117.80	1.00	8	<5	<5	1.2	98	77	2382	193	37		
		Secondary structures of micro-faults cutting core	146341	117.80	117.80	.00	<5	<5	<5	<.2	12	13	28	3	5		
		at 60 degrees to core axis and 80 degrees to core	146342	117.80	118.80	1.00	25	<5	<5	.4	63	89	1027	72	43		
		axis, most obvious at 105m depth.	146343	118.80	119.80	1.00	21	<5	<5	.4	71	45	732	20	28		
		Fine grained pyrite throughout unit, concentrated	146344	119.80	120.80	1.00	16	<5	<5	1.1	50	71	226	26	27		
		as stringers along shear planes, with few vuggy	146345	120.80	121.80	1.00	18	<5	<5	.6	60	91	124	27	31		
		pyrite bands, 1-5%. Reddish and honey brown to	146346	121.80	122.80	1.00	35	<5	<5	1.8	104	265	3245	131	66		
		rusty sphalerite disseminations, up to 1-3% and in	146347	122.80	123.80	1.00	48	<5	<5	2.9	123	330	7400	1944	44		
		stringers along shear or disseminations. Honey	146348	123.80	124.50	.70	23	<5	<5	1.8	83	282	5800	687	49		
		brown sphalerite dominates this sequence with	146349	124.50	124.80	.30	11	<5	<5	.5	71	170	2688	58	26		
		lesser reddish-maroon so-called 'black-jacks															
		sphalerite. Few silvery/bluish galena															
		disseminations within the 'black-jacks sphalerite															
		(trace to 0.5%). Pyrite+pyrrhotite stringers along															
		shear ans secondary cross-cutting ?.															
		86.90 98.40 Unit begins with dominant grey chlorite															
		alteration.															
		98.40 100.50 Unit is more intensely silicified.															
		104.00 Pyrrhotite frequenting shear															
		stringers with pyrite as well as some															
		potassic altered grains/disseminations															
		105.20 Alteration gradually switches to															
		dominantly buff-yellow sericite															
		alteration with weak red-purple															
		hematite alteration along shear with															
		5% calcite stringers at 50 degrees to															
		core axis and crosscutting at 70-80															
		degrees to core axis, and 1%															
		pyrrhotite+ 2-3% pyrite in stringers															
		along shear.															
		112.20 112.60 Chloritic mafic dyke at 50 degrees to															
		core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Lower contact at 40 degrees to core axis.															
		86.90 87.90 2-3% pyrite, 0.5% 'black jacks sphalerite, 1-2% honey brown sphalerite.															
		87.90 88.90 2-3% pyrite, 0.5-1% 'black jacks sphalerite, 1-2% honey brown sphalerite.															
		88.90 Blank.															
		88.90 89.90 3% pyrite, 1% 'black-jacks sphalerite, 1-2% honey brown sphalerite.															
		89.90 90.90 3% pyrite, 1-2% 'black-jacks sphalerite, 2-3% honey brown sphalerite, trace galena.															
		90.90 91.90 3% pyrite, 0.5% 'black-jacks sphalerite, 1% honey brown sphalerite, trace galena.															
		91.90 92.90 3% pyrite, trace to 0.5% 'black-jacks sphalerite, trace honey brown sphalerite, trace galena.															
		92.90 93.90 3% pyrite, trace to 0.5% 'black-jacks sphalerite, 0.5% honey brown sphalerite, trace galena.															
		93.90 94.90 3% pyrite, trace to 0.5% 'black-jacks sphalerite, 0.5% honey brown sphalerite, trace galena.															
		94.90 95.90 3% pyrite, trace to trace 'black-jacks sphalerite, 0.5% honey brown sphalerite.															
		95.90 96.90 3% pyrite, in stringers along shear, trace pyrrhotite.															
		105.20 106.20 3% pyrite and 1% pyrrhotite.															
		106.20 Standard gbm 997-3.															
		106.20 107.20 3% pyrite, 1-2% pyrrhotite, 0.5% 'black-jacks sphalerite, 0.5% honey brown sphalerite.															
		107.20 108.20 Up to 3% pyrite, 1-2% pyrrhotite.															
		110.80 111.80 3% pyrite, 1% pyrrhotite.															
		111.80 112.80 3% pyrite, 1% pyrrhotite, 1% 'black-jacks sphalerite, up to 1% honey brown sphalerite, trace galena.															
		112.80 113.80 3% pyrite, 1% pyrrhotite, 1-2% 'black-jacks sphalerite, 1% honey brown sphalerite, 0.5% galena.															
		113.80 114.80 3% pyrite, 1% pyrrhotite, 2% 'black-jacks sphalerite, ~1% honey brown sphalerite, 0.5% galena.															
		114.80 115.80 3% pyrite, 1% pyrrhotite, 1-2% 'black-jacks sphalerite, up to 1% honey brown sphalerite, trace galena.															
		115.80 116.80 Up to 3% pyrite, 1% pyrrhotite, 1-2% 'black-jacks sphalerite, up to 1% honey brown sphalerite, trace galena.															
		116.80 117.80 Up to 3% pyrite, 1% pyrrhotite, 1-1.5% 'black-jacks sphalerite, 0.5%															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		honey brown sphalerite, trace galena.															
		117.80 Blank.															
		117.80 118.80 Up to 3% pyrite, 1% pyrrhotite, 0.5% 'black-jacks sphalerite, 0.5% honey brown sphalerite.															
		118.80 119.80 2% fine grained pyrite.															
		119.80 120.80 2% pyrite, trace pyrrhotite.															
		120.80 121.80 2% pyrite, trace pyrrhotite and trace to 0.5% sphalerite.															
		121.80 122.80 2-3% pyrite, 1% 'black-jacks sphalerite, up to 1% honey brown sphalerite.															
		122.80 123.80 2-3% pyrite, 0.5% pyrrhotite, 2-2.5% 'black-jacks sphalerite, ~1% honey brown sphalerite, 0.5% galena.															
		123.80 124.50 1-2% pyrite, up to 2% 'black-jacks sphalerite, up to 1% honey brown sphalerite.															
		124.50 124.80 1-2% pyrite, 2% 'black-jacks sphalerite, up to 1% honey brown sphalerite.															
124.60	135.80	MINERALIZED CHERTY/SILICIFIED ZONE															
		Grey to white, very hard, magnetic bands of pyrrhotite and magnetite, 75-80% chert/quartz, foliated, mineralized with several semi-massive to massive pyrite and pyrrhotite sub-units. Intense silicification, moderate dark green chlorite banded alteration, more pervasive and strong with depth of the unit. Good RQD of 90%+ with weak fracturing. Foliated/sheared at 40-50 degrees to core axis. Mineralization generally exists as stringer (along foliation) and disseminated pyrite to massive pyrite sections. Pyrite content is ~2-10% but up to 65% where massive. Stringers are often pyrite+pyrrhotite along foliation but few are cross-cutting along fractures/faults. Pyrrhotite content generally is ~1-5%, but up to 35% where semi-massive.	146350	124.80	125.40	.60	246	<5	<5	6.1	89	131	2266	123	45		
			146351	125.40	125.40	.00	90	<5	<5	1328	617	56	30100	277200	41		
			146352	125.40	126.00	.60	203	<5	<5	7.1	123	122	948	296	48		
			146353	126.00	127.00	1.00	25	6	<5	1.2	56	63	176	41	22		
			146354	127.00	128.00	1.00	27	<5	<5	.9	76	70	185	24	29		
			146355	128.00	129.00	1.00	20	<5	<5	1.0	102	87	346	53	28		
			146356	129.00	129.90	.90	29	<5	<5	1.0	98	79	600	86	33		
			146357	129.90	130.30	.40	21	<5	<5	2.4	617	539	2655	348	67		
			146358	130.30	131.30	1.00	15	<5	<5	.5	145	135	1316	50	30		
			146359	131.30	132.30	1.00	13	8	6	.3	71	51	132	17	30		
			146360	132.30	133.30	1.00	8	<5	<5	<.2	45	31	50	12	23		
			146361	133.30	133.30	.00	<5	<5	<5	<.2	12	12	8	<2	6		
			146362	133.30	134.30	1.00	<5	<5	<5	<.2	49	31	195	9	20		
			146363	134.30	134.90	.60	7	<5	<5	.2	47	40	105	9	17		
			146364	134.90	135.50	.60	11	<5	<5	.3	122	138	49	15	36		
			146365	135.50	135.80	.30	12	5	<5	.7	309	610	105	25	66		
		124.80 125.40 20-30% semi-massive pyrite, trace to 0.5% 'black-jacks sphalerite cherty semi-massive pyrite section.															
		125.40 126.00 20-65% pyrite, 2-5% pyrrhotite, trace sphalerite cherty semi-massive pyrite section.															
		129.90 130.30 3-5% pyrite, 35-50% semi-massive pyrrhotite section.															
		135.50 135.80 10-15% semi-massive pyrite, up to 1% sphalerite, 30-45% semi-massive pyrrhotite section.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		127.30 Dark-green grey, more intensely chlorite altered section with more black sphalerite stringers and a few semi-massive pyrite and pyrrhotite sections.															
		Lower contact marked by appearance of fuchsite alteration at ~40 degrees to core axis.															
		124.80 125.40 20-30% semi-massive pyrite, trace to 0.5% 'black-jacks sphalerite.															
		125.40 Standard gbm 303-1.															
		125.40 126.00 20-65% pyrite, 2-5% pyrrhotite, trace sphalerite.															
		126.00 127.00 2-3% pyrite, 1-2% pyrrhotite, 0.5% sphalerite.															
		127.00 128.00 2% pyrite, 2-3% pyrrhotite, 0.5% sphalerite.															
		128.00 129.00 1-2% pyrite, 3% pyrrhotite, 1% sphalerite.															
		129.00 129.90 1-2% pyrite, 2-3% pyrrhotite, 2% 'black-jacks sphalerite.															
		129.90 130.30 3-5% pyrite, 35-50% semi-massive pyrrhotite.															
		130.30 131.30 3% pyrite, up to 10% pyrrhotite, 2% 'black-jacks sphalerite.															
		131.30 132.30 2-3% 'black-jacks sphalerite, 5-8% pyrrhotite, 2% pyrite.															
		132.30 133.30 1% pyrite, 1% pyrrhotite, 3-4% 'black-jacks sphalerite.															
		133.30 Blank.															
		133.30 134.30 1-2% pyrite, 1% pyrrhotite, 3-5% 'black-jacks sphalerite.															
		134.30 134.90 1% pyrite, 1% pyrrhotite, 1% 'black-jacks sphalerite.															
		134.90 135.50 1-2% pyrite, 1-2% honey brown sphalerite.															
		135.50 135.80 10-15% semi-massive pyrite, 30-45% semi-massive pyrrhotite, up to 1% sphalerite.															
135.80	164.00	PERIDOTITE															
		Green-grey, to dark grey to black, fine grained, hard, non-magnetic, chlorite+/-fuchsite+/-ankerite altered peridotite with possible mafic unsheared dykes. Patchy weak to moderate fuchsite alteration, strong chlorite alteration, weak-moderate serpentine alteration, pervasive weak-moderate ankerite alteration (stained blue), talc alteration at end of hole and weak-moderate hematite alteration along one section. Good RQD of 80% with weak-moderate fracturing	146366	135.80	136.80	1.00	5	16	14	.4	111	1254	52	24	109		
			146367	136.80	137.80	1.00	<5	9	10	.2	82	988	37	23	83		
			146368	137.80	138.80	1.00	<5	<5	<5	<.2	50	292	45	21	40		
			146369	138.80	139.80	1.00	6	6	<5	.2	51	343	43	21	39		
			146370	139.80	140.80	1.00	20	<5	<5	.2	51	361	51	22	45		
			146371	140.80	140.80	.00	312	<5	<5	.5	63	28	43	16	89		
			146372	140.80	141.80	1.00	6	<5	<5	<.2	42	91	48	20	27		
			146373	154.70	155.70	1.00	8	<5	<5	.2	135	75	61	26	51		
			146374	155.70	156.70	1.00	8	6	6	<.2	78	200	23	20	39		
			146375	156.70	157.70	1.00	5	10	7	.2	66	260	17	22	44		
			146376	157.70	158.70	1.00	6	7	8	<.2	66	216	11	20	41		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		around 40-50 degrees to core axis (along shear)	146377	158.70	159.70	1.00	41	13	11	.4	116	580	27	32	71		
		with weak chlorite/serpentine filling fractures.	146378	159.70	160.70	1.00	7	9	9	<.2	82	473	23	26	54		
		General shear sense/foliation of 35-50 degrees to	146379	160.70	161.70	1.00	8	10	9	<.2	88	435	22	25	54		
		core axis.	146380	161.70	162.70	1.00	14	9	9	<.2	87	480	23	27	56		
		Up to 10% white-grey ankerite+chlorite stringers	146381	162.70	162.70	.00	<5	<5	<5	<.2	7	30	5	<2	8		
		generally along foliation/shear, few thin quartz	146382	162.70	163.30	.60	11	11	9	<.2	97	316	19	23	51		
		veins.	146383	163.30	164.00	.70	114	8	8	<.2	82	242	14	20	40		
		Mineralization consists of ~1% disseminated pyrite,															
		and 1-2% honey brown sphalerite stringers in the															
		upper 5-6m of unit.															
		135.80 10-20cm pale green fuchsite alteration															
		137.80 142.70 Very hard, purplish-black, silicified															
		and hematite altered section likely															
		due to contact metamorphism of unit															
		with up to 1% 'black-jacks sphalerite															
		and finely disseminated pyrite.															
		144.50 145.70 Sheared hematite altered section.															
		147.00 148.00 Sheared more heavily carbonate veined															
		section, weak ankerite alteration.															
		149.00 149.70 Fine grained, medium grey, extremely															
		hard, possibly a mafic dyke at 50															
		degrees to core axis.															
		152.70 153.20 Medium to coarse grained															
		hematite+carbonate altered purplish															
		vein, 2-4cm thick at 35-40 degrees to															
		core axis.															
		155.70 More heavily and intensely ankerite															
		and talc altered section to end of															
		hole with disseminated cubes of															
		pyrite, and 10-15% carbonate veining.															
		135.80 136.80 3% honey brown sphalerite, 0.5%															
		'black-jacks sphalerite, 1% pyrite															
		with chlorite-ankerite.															
		136.80 137.80 1-2% honey brown sphalerite, 1%															
		pyrite with chlorite-ankerite.															
		137.80 138.80 Trace to 0.5% pyrite.															
		138.80 139.80 Trace pyrite.															
		139.80 140.80 Trace pyrite, 1-1.5% 'black-jacks															
		sphalerite in stringers.															
		140.80 Standard pm 402.															
		140.80 141.80 Trace pyrite, backet sample.															
		154.70 155.70 Trace pyrite, bracket sample.															
		155.70 156.70 Chlorite+ankerite, trace pyrite.															
		156.70 157.70 Chlorite+ankerite, trace pyrite.															
		157.70 158.70 Chlorite+ankerite, trace pyrite.															
		158.70 159.70 Chlorite+ankerite, trace pyrite.															
		159.70 160.70 Chlorite+ankerite, trace pyrite.															
		160.70 161.70 Chlorite+ankerite, trace pyrite.															
		161.70 162.70 Chlorite+ankerite, trace pyrite.															
		162.70 Blank.															
		162.70 163.30 Chlorite+ankerite, trace pyrite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		163.30 164.00 Chlorite+ankerite, trace pyrite.															
164.00		END OF HOLE															

Date: 17 Aug, 2010

GOLDEN CHALICE RESOURCES

DRILL HOLE RECORD

Northing:	5334800.00
Easting:	423515.00
Elevation:	356.00
Collar Azi.:	335.0
Collar Dip:	-45.0
Hole length:	125.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Handheld GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	April 27-28, 2010
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
17	333.4	-46.5
68	333.3	-44.7
125	334.9	-43.7

Drill Hole:	TW-10-02
Project:	Timmins West
Property:	Timmins West
Claim:	4207037
Northing:	N/A
Easting:	N/A
GPS Northing:	5334800
GPS Easting:	423515
Date Started:	April 22, 2010
Date completed:	April 24, 2010
Drilled by:	Bradley Brothers
Sample type:	Cut Core
Analyses:	PM 30g FA, BM AA
Lab:	Expert
Sample series:	136433-507
Lab report:	26807

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	5.50	OVERBURDEN															
		7m Of nw casing.															
5.50	21.70	GABBRO															
		Grey-greenish to green-black, coarse to medium grained, massive, homogeneous, hard to very hard, weakly magnetic. Minor chlorite alteration with some silicification with depth. Good RQD of 80% with minor fracturing filled with very thin dark green chlorite and local brown-orange oxidation in the first to 2-3m of unit. Rare calcite stringers. Trace yellow-brown pyrite disseminations on 2m to lower contact.	136433	20.70	21.70	1.00	6	<5	<5	.3	81	62	88	28	44		
		14.00 20.70 Dark green-black, chilled phase, grades from coarse to fine grained, very hard, weakly magnetic, 1-2% orange-pink potassic fragments/ alteration.															
		Sharp lower contact at 35-40 degrees to core axis.															
		20.70 21.70 Bracket sample, trace pyrite.															
21.70	59.90	FELSIC TUFF															
		Rhyo-dacite tuff.	136434	21.70	21.70	.00	<5	<5	<5	<.2	10	11	8	<2	<2		
		Grey to dark grey-green, fine grained, ash tuff,	136435	21.70	22.70	1.00	147	<5	<5	8.6	1285	45	87	53	47		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		foliated/ bedded, weak local magnetism, hard, local	136436	22.70	23.60	.90	7	<5	<5	.5	87	123	52	41	27		
		vugs.	136437	23.60	24.50	.90	19	<5	<5	.5	103	143	58	54	29		
		40-50% Weak yellow-green sericite and green to dark	136438	24.50	25.40	.90	105	<5	<5	5.3	397	45	362	324	27		
		green chlorite alteration. A few local	136439	25.40	26.30	.90	67	<5	<5	5.0	284	33	543	410	24		
		potassic-silicified sections.	136440	26.30	27.20	.90	133	<5	<5	6.4	336	32	2860	845	22		
		Decent RQD of 80% with a few sections of broken	136441	27.20	28.10	.90	116	<5	<5	5.8	243	29	1840	204	20		
		core.	136442	28.10	29.00	.90	158	<5	<5	7.1	137	33	1621	45	23		
		Weak to moderate fracturing at 40-50 degrees to	136443	29.00	30.00	1.00	133	<5	<5	5.2	177	29	4190	50	22		
		core axis +/- local oxidation and very thin	136444	30.00	31.00	1.00	101	<5	<5	5.8	614	27	8800	98	22		
		chlorite-calcite filling.	136445	31.00	32.00	1.00	98	<5	<5	8.6	1096	25	5300	147	25		
		Moderate foliation/ bedding at 40-50 degrees to	136446	32.00	32.00	.00	7790	<5	<5	343.6	392	9	106	174	7		
		core axis with very thin ash beds and 2-8mm wide	136447	32.00	33.00	1.00	203	<5	<5	16.5	4540	30	8000	181	30		
		chlorite/ magnetite beds.	136448	33.00	34.00	1.00	82	<5	<5	2.3	269	25	851	68	25		
		A few white-grey calcite +/- quartz stringers both	136449	34.00	35.00	1.00	174	<5	<5	5.2	338	30	1260	136	29		
		paralleling and cross cutting foliation at 45	136450	35.00	36.00	1.00	135	<5	<5	6.8	605	32	4550	553	26		
		degrees to core axis, multiple generations.	136451	36.00	37.00	1.00	14	<5	<5	1.3	80	71	247	51	17		
		Sulphide mineralization consists mostly	136452	37.00	37.90	.90	404	<5	<5	.8	47	80	146	38	16		
		yellow-brown pyrite mineralization occurring as	136453	37.90	38.60	.70	85	<5	<5	6.8	347	27	4900	706	21		
		coarse disseminations and stringers along foliation	136454	38.60	39.30	.70	91	<5	<5	8.4	239	31	10100	1243	20		
		planes. Trace amounts of brownish pyrrhotite is	136455	39.30	39.60	.30	69	<5	<5	11.6	182	109	23200	1018	24		
		also noted in association with pyrite	136456	39.60	40.35	.75	27	<5	<5	6.1	227	34	11400	764	19		
		mineralization. Trace-3% sphalerite mineralization	136457	40.35	41.10	.75	80	<5	<5	14.8	579	35	34600	1657	24		
		is noted with 2 types being distinguished.	136458	41.10	42.10	1.00	465	<5	<5	35.9	1372	34	19600	847	25		
		Black/jack stringer type sphalerite with trace	136459	42.10	43.10	1.00	134	<5	<5	9.2	216	25	5700	536	16		
		blue/ grey galena and localized mostly disseminated	136460	43.10	43.10	.00	<5	<5	<5	<.2	11	9	7	<2	<2		
		orange-brown honey sphalerite.	136461	43.10	44.10	1.00	49	<5	<5	11.5	229	31	8200	638	16		
		21.70 37.90 2-4% yellow-brown to brown pyrite	136462	44.10	45.10	1.00	18	<5	<5	1.3	74	59	569	52	27		
		disseminations and pyrite stringers	136463	45.10	46.10	1.00	5	<5	<5	.9	64	40	477	50	20		
		with rare to trace pyrrhotite. Radom	136464	46.10	47.10	1.00	<5	<5	<5	.7	69	46	113	43	20		
		disseminations/specks of black/ jack	136465	59.00	59.90	.90	22	<5	<5	4.3	63	46	1083	136	40		
		sphalerite with rare galena.															
		25.50 26.50 Broken core, 60% rqd.															
		37.90 44.30 Weak-moderate chlorite-sericite altered															
		section, more altered than up hole,															
		1-2% disseminated honey brown															
		sphalerite with a few stringers of															
		black jack sphalerite containing trace															
		amounts of galena. Pyrite															
		mineralization remains combined to															
		bedding as bands/ stringers from 1% up															
		to around 15% semi massive pyrite															
		locally.															
		39.30 39.60 Possible intermediate dyke (?), weakly															
		potassic altered, silicified, trace															
		pyrite, contacts at 50 degrees to core															
		axis.															
		38.60 41.10 2-3% honey brown sphalerite															
		disseminations, with 0.5% black jack															
		sphalerite and pyrite.															
		41.10 42.10 15% semi massive yellow-brown pyrite															
		band clusters.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
	43.70	2.5cm wide white quartz stringer at 30 degrees to core axis.															
47.10	59.90	Patchy grey-yellow sericite alteration is dominant to lower contact, 60% of unit.															
	50.30	5cm wide calcite-quartz veinlet with unknown orange-brown mineral (?).															
	57.00	7cm mafic dykelet/ thick bed (?), dark black, very fine grained, contacts at 40 degrees to core axis.															
	Sharp lower	contact at 40 degrees to core axis.															
	21.70	Blank.															
21.70	22.70	2% disseminated, trace specks of pyrrhotite, 10% silicified and potassic altered material.															
22.70	23.60	Moderate chlorite alteration, trace pyrite.															
23.60	24.50	Moderate chlorite alteration, trace pyrite.															
24.50	25.40	2%pyrite disseminations, fracture smears and a few stringers.															
25.40	26.30	1-2% pyrite, broken core.															
26.30	27.20	Minor broken core, 1% pyrite, trace pyrrhotite.															
27.20	28.10	1-2% pyrite.															
28.10	29.00	2-3% pyrite, trace pyrrhotite.															
29.00	30.00	4% pyrite, 0.5% black/ jack sphalerite.															
30.00	31.00	3% pyrite, 0.5% black/ jack sphalerite.															
31.00	32.00	2% pyrite, trace black/ jack sphalerite.															
	32.00	Standard gbm997-4.															
32.00	33.00	3% pyrite.															
33.00	34.00	Trace pyrite, trace black/ jack sphalerite.															
34.00	35.00	1-2% pyrite.															
35.00	36.00	0.5% pyrite disseminations and black sphalerite stringers up to 4-5mm wide at 50 degrees to core axis.															
36.00	37.00	Trace pyrite disseminations.															
37.00	37.90	Massive, trace pyrite disseminations.															
37.90	38.60	1% coarse pyrite.															
38.60	39.30	1% fine and coarse pyrite, 1% black jack sphalerite and honey sphalerite, trace galena.															
39.30	39.60	Trace pyrite.															
39.60	40.35	1-2% honey sphalerite, 0.5% pyrite.															
40.35	41.10	3-4% pyrite. Trace galena, 2-4% sphalerite (both honey and black jack.															
41.10	42.10	Roughly 15% pyrite, trace honey sphalerite.															
42.10	43.10	2-3% pyrite, 0.5-1% sphalerite.															
	43.10	Blank.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		43.10 44.10 2-3% pyrite, 1-2% sphalerite.															
		44.10 45.10 2% pyrite.															
		45.10 46.10 0.5% pyrite.															
		46.10 47.10 Bracket, trace-0.5% pyrite.															
		59.00 59.90 Bracket, trace-0.5% pyrite.															
59.90	64.50	FELDSPAR PORPHYRY															
		Pale grey to grey, medium grained, 5-10% white	136466	59.90	60.90	1.00	14	<5	<5	1.0	24	15	64	28	8		
		quartz-feldspar phenocrysts, massive, hard, non	136467	60.90	61.80	.90	18	<5	<5	.7	24	13	57	31	8		
		magnetic.	136468	61.80	62.70	.90	9	<5	<5	.8	22	19	119	75	10		
		Very weak yellow-brown sericite alteration.	136469	62.70	63.60	.90	26	<5	<5	1.3	34	18	121	59	10		
		Good RQD of 85% with local section of broken core.	136470	63.60	64.50	.90	17	<5	<5	1.5	31	21	855	93	13		
		Weak to moderate fracturing at 60-70 degrees to															
		core axis with rare chlorite fracture filling.															
		1% Hairlike grey-black quartz-calcite stringers at															
		70 degrees to core axis.															
		Trace dull yellow-brown coarse pyrite.															
		60.00 60.50 Broken core, 50% rqd.															
		Sharp, planar lower contact at 50 degrees to core															
		axis.															
		59.90 60.90 Trace pyrite.															
		60.90 61.80 Trace pyrite.															
		61.80 62.70 Trace pyrite.															
		62.70 63.60 Trace pyrite.															
		63.60 64.50 Trace pyrite.															
64.50	88.30	FELSIC TUFF															
		Rhyo-dacite tuff.	136471	64.50	64.50	.00	84	<5	<5	1321	639	50	30600	276000	37		
		Grey to dark grey-green, fine grained, ash tuff,	136472	64.50	65.30	.80	74	<5	<5	39.2	122	44	15600	392	41		
		foliated/ bedded, weak local magnetism, hard, local	136473	65.30	66.20	.90	98	<5	<5	31.3	221	27	7400	428	19		
		vugs. Maybe more mafic in composition.	136474	66.20	67.00	.80	25	<5	<5	5.2	98	24	7700	158	19		
		More dark green chlorite alteration with very weak	136475	67.00	67.70	.70	185	<5	<5	11.9	180	62	29000	111	49		
		local sericite bleaching. Weak ankerite (stains	136476	67.70	68.60	.90	96	<5	<5	7.4	282	44	4590	37	22		
		blue).	136477	68.60	69.50	.90	103	<5	<5	5.0	172	47	2250	24	26		
		RQD of 90% with a few minor sections of broken core	136478	69.50	70.40	.90	49	<5	<5	1.2	117	46	320	28	25		
		(5-10cm).	136479	70.40	71.15	.75	368	<5	<5	2.7	303	32	1370	24	28		
		Generally weakly fractured along foliation 40-50	136480	71.15	71.60	.45	27	<5	<5	.8	59	81	108	38	19		
		degrees to core axis with a few at 20-30 degrees to	136481	71.60	72.60	1.00	86	<5	<5	1.1	101	59	488	78	21		
		core axis. Generally dark green chlorite fracture	136482	87.30	88.30	1.00	25	<5	<5	.6	69	39	182	40	23		
		filling.															
		Moderate foliation/ bedding at 40-50 degrees to															
		core axis. Bedding is generally thin ash layers															
		with alternating more dark green chlorite layers															
		and occasional silicified/ potassic layers															
		scattered throughout unit.															
		1% White-grey calcite +/- quartz stringers both															
		paralleling and cross cutting foliation at 45 and															
		60 degrees to core axis, multiple generations.															
		Sulphide mineralization consists of 0.5%-3-4%															
		yellow-brown coarse pyrite disseminations and															
		stringers along foliation planes. Local bands of															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		black jack sphalerite with trace honey sphalerite and galena with bands.															
		64.50 67.00 1-2% brownish-red black jack sphalerite bands with trace honey brown-orange sphalerite and blue-grey specks within bands/ stringers.															
		67.00 67.70 Bleached beige section with around 2-3% sphalerite bands/ stringers and 1-2% pyrite.															
		71.15 71.60 Grey-purple silicified bed (?), potassic altered, sharp contacts at 50 degrees to core axis.															
		74.00 Moderate dark green chlorite occurs to lower contact, 2-3% irregular calcite stringers.															
		76.60 77.60 Moderate- strong chlorite alteration with 1% pale brown-orange garnets.															
		81.20 5mm wide brassy brown pyrrhotite stringers (magnetic).															
		Lower contact at 45 degrees to core axis.															
		64.50 Standard gbm303-1.															
		64.50 65.30 1-2% sphalerite, 1% pyrite.															
		65.30 66.20 1-2% sphalerite, 1% pyrite.															
		66.20 67.00 1% sphalerite, 1% pyrite.															
		67.00 67.70 Bleached, 2-3% sphalerite, 1-2% pyrite.															
		67.70 68.60 0.5% pyrite.															
		68.60 69.50 1% pyrite.															
		69.50 70.40 2-3% pyrite.															
		70.40 71.15 2% pyrite.															
		71.15 71.60 Silicified-potassic altered, 0.5% pyrite.															
		71.60 72.60 0.5% pyrite.															
		87.30 88.30 Bracket, trace-0.5% pyrite.															
88.30	95.00	MINERALIZED/SILICIFIED CHERTY ZONE															
		Grey-white, extremely hard, non magnetic matrix	136483	88.30	88.30	.00	<5	<5	<5	<.2	12	15	13	3	<2		
		with magnetic bands of pyrrhotite and magnetite,	136484	88.30	89.40	1.10	5	<5	<5	.8	79	57	719	47	20		
		80% chert/quartz, foliated, mineralized.	136485	89.40	90.40	1.00	8	<5	<5	1.1	59	38	170	14	11		
		Strongly silicified, moderate dark green chlorite	136486	90.40	91.40	1.00	18	<5	<5	.8	34	29	56	9	8		
		alteration as bands and more pervasive alteration	136487	91.40	92.40	1.00	41	<5	<5	1.3	29	34	780	31	7		
		with depth.	136488	92.40	93.40	1.00	36	<5	<5	1.4	62	44	237	32	10		
		Good RQD of 90-95% with minor fracturing at 50	136489	93.40	94.20	.80	37	<5	<5	1.6	118	78	666	44	24		
		degrees to core axis +/- chlorite and /or pyrite	136490	94.20	95.00	.80	263	<5	<5	14.5	150	119	2760	277	20		
		smears. Some cross fracturing at 55 degrees to core															
		axis.															
		Moderate foliation at 50 degrees to core axis.															
		Sulphide mineralization consists of 2-4%															
		yellow-brown pyrite as coarse disseminations and															
		bands/ stringers along foliation planes. 1-6%															
		brassy-bronzy pyrrhotite disseminations and															
		stringers to irregular stringers on and along															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		foliation planes with some secondary pyrite-pyrrhotite mineralization along cross fracturing. A few bands of black jack sphalerite are also noted throughout section with a few specks of galena.															
		93.40 95.00 Dark green-black moderate-strongly chlorite altered section containing 4-6% brassy-brown pyrrhotite stringers, 1-2% pyrite and a few sphalerite stringers.															
		Gradual contact.															
		88.30 Blank.															
		88.30 89.40 1% pyrite.															
		89.40 90.40 2-3% pyrite, strongly silicified.															
		90.40 91.40 1-2% pyrite, strongly silicified.															
		91.40 92.40 1-2% pyrite, strongly silicified.															
		92.40 93.40 1-2% pyrite and pyrrhotite, strongly silicified.															
		93.40 94.20 Chloritic, silicified, 1% pyrite, 4-5% pyrrhotite.															
		94.20 95.00 Chloritic, silicified, 1% pyrite, 5-7% pyrrhotite.															
95.00	95.90	SEMI-MASSIVE SULPHIDE ZONE															
		Semi massive pyrite-pyrrhotite zone (dominantly pyrite) in cherty silicified zone. Strongly silicified. Good RQD of 95% a few minor fractures. 40% Fine to coarse yellow-brown pyrite with a few tiny vugs grading from semi massive discontinuous stringers to more massive sulphide. 2-3% brassy brown pyrrhotite is noted prominently in the first 20cm of unit. A single band of black jack sphalerite is note at 95.15m at 50-55 degrees to core axis. Unit consists of 20-30% silicified-cherty matrix. Lower contact at 45 degrees to core axis.	136491	95.00	95.90	.90	31	<5	<5	6.5	247	281	4470	552	56		
		95.00 95.90 Massive pyrite (40%), 2% pyrrhotite, 0.5% sphalerite.															
95.90	125.00	PERIDOTITE															
		Sheared talc-chlorite peridotite with possible more mafic sections (?). Dark black, fine grained, sheared, moderately hard, locally magnetic, schisty. Dominant weak to moderate chlorite and lesser talc alteration with weak to moderate ankerite alteration determined by blue stain. Local purple black silicified/ hematite alteration noted. Minor fuchsite alteration noted at upper contact. Decent RQD of 80-85% with a few sections of broken	136492	95.90	96.80	.90	26	7	<5	1.7	71	510	2060	339	43		
			136493	96.80	97.60	.80	14	12	8	1.0	127	860	2590	294	67		
			136494	97.60	98.60	1.00	5	13	10	.7	101	686	1090	198	64		
			136495	105.70	106.60	.90	17	9	8	.4	109	570	175	39	59		
			136496	106.60	107.60	1.00	30	5	6	.4	70	276	337	39	35		
			136497	107.60	107.90	.30	18	26	24	.8	233	3930	51	36	162		
			136498	107.90	108.30	.40	7	12	9	.4	108	1148	72	36	82		
			136499	108.30	109.10	.80	11	19	15	.6	144	3810	46	38	119		
			136500	109.10	109.10	.00	2090	<5	<5	1.1	486	76	90	37	326		
			136501	109.10	109.95	.85	11	14	13	.5	151	1413	44	32	92		

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		core around purple black, harder sections of core.	136502	109.95	110.80	.85	70	11	7	.4	97	898	40	37	68		
		Weak to locally moderately fractured core at 30-50	136503	110.80	111.80	1.00	9	9	9	.4	122	1197	40	33	79		
		degrees to core axis +/- chlorite-serpentine	136504	111.80	112.60	.80	13	9	9	.5	142	1044	59	32	75		
		fracture filling.	136505	112.60	113.40	.80	8	13	10	.6	129	1030	53	30	82		
		Moderately sheared-foliated at both 30 and 50	136506	113.40	114.40	1.00	48	7	7	.4	122	680	38	34	61		
		degrees to core axis but dominantly around 50	136507	114.40	115.40	1.00	15	11	7	.4	81	259	33	26	36		
		degrees to core axis.															
		5-10% White calcite-quartz stringers paralleling															
		foliation-shearing.															
		A few white, generally barren quartz veins up to															
		15cm at 50 degrees to core axis.															
		Trace to at best 0.5% yellow-brown pyrite with															
		trace amounts of pyrrhotite associated with															
		stringers.															
	95.90	20cm pale fuchsite.															
	95.90 97.60	Contact metamorphism consists of															
		silicified/ hematite altered extremely															
		hard sections with some chlorite															
		altered sections, trace sphalerite and															
		pyrrhotite with around 1-1.5% pyrite,															
		contacts at 50 degrees to core axis.															
	101.70	8cm wide quartz-calcite vein at 25															
		degrees to core axis.															
	102.30	5cm wide brownish mafic-intermediate															
		dyklet (?), very hard.															
	103.40	20cm silicified/hematite section,															
		very hard, dyke (?), broken core,															
		trace pyrite, contacts at 50 and in															
		broken core.															
	105.70 116.00	Grey zone due to more moderate															
		ankerite alteration with local minor															
		fuchsite.															
	106.40	12cm quartz vein at 25tca, barren.															
	107.00	4cm wide basaltic dykelet, dark															
		green, 50 degrees to core axis.															
	107.60 107.90	Dark green-purple, hematite-chlorite															
		basalt, 0.5% coarse yellow pyrite.															
	108.00	5cm of fuchsite alteration.															
	108.20	5cm of fuchsite alteration.															
	108.30 109.95	Basalt, dark green, fine grained,															
		chlorite altered with minor hematite															
		alteration, 10% altered ultramafic,															
		0.5-1% coarse pyrite, contacts at 60															
		and 40 degrees to core axis.															
	111.80 114.40	Purple hematite alteration and															
		silicification, weak to moderate															
		throughout section.															
	123.50	Possible spinifex (?) over 20cm															
		section.															
	95.90 96.80	1-2% pyrite, trace sphalerite and															
		pyrrhotite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		96.80 97.60 1-2% pyrite, trace pyrrhotite.															
		97.60 98.60 Bracket sample, trace pyrite.															
		105.70 106.60 Chlorite-ankerite, trace pyrite, 5% quartz.															
		106.60 107.60 Chlorite-ankerite, trace pyrite.															
		107.60 107.90 Chlorite-hematite alteration, 0.5-1%.															
		107.90 108.30 Minor fuchsite, weak-moderate ankerite, trace pyrite.															
		108.30 109.10 Chlorite-ankerite-hematite, trace-0.5% pyrite.															
		109.10 Standard pm417.															
		109.10 109.95 Chlorite-ankerite-hematite, 0.5-1% pyrite.															
		109.95 110.80 Moderate ankerite, 5% irregular ankerite-quartz stringers, trace pyrite.															
		110.80 111.80 Moderate ankerite, 5% irregular ankerite-quartz stringers, trace pyrite.															
		111.80 112.60 Silicified-potassic-ankerite altered, trace-0.5% pyrite.															
		112.60 113.40 Silicified-potassic-ankerite altered, trace-0.5% pyrite.															
		113.40 114.40 Silicified-potassic-ankerite altered, trace-0.5% pyrite.															
		114.40 115.40 Trace pyrite.															
125.00		END OF HOLE															

Date: 17 Aug, 2010

GOLDEN CHALICE RESOURCES

Page: 1 of 10

Northing: 423863.00
Easting: 5334436.00
Elevation: 366.00

Collar Azi.: 330.0
Collar Dip: -45.0

Hole length: 171.50
Units: Metric
Core size: NQ
Grid: Metric 2007

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: N/A
Logged by: J. Craig
Date(s) logged: April 24-28, 2010
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
20	332.0	-46.4
71	332.5	-44.6
122	334.6	-41.5
172	335.0	-36.3

Drill Hole: TW-10-01

Project: Timmins West
Property: Timmins West
Claim: 4207057
Northing: N/A
Easting: N/A
GPS Northing: 5334436
GPS Easting: 423863
Date Started: April 21, 2010
Date completed: April 24, 2010
Drilled by: Bradley Bros
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Catterallo, Expert Labs
Sample series: 146182-261
Lab report: 53TW, 102154-155

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Au ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	7.00	OVERBURDEN 7m Of casing.															
7.00	11.80	MAFIC V0LCANIC (UNDIFFERENTIATED) Fine grained, grey to dark grey, moderately-magnetic, very hard, homogeneous, massive mafic volcanic, likely basalt. Moderately siliceous, weak carbonate alteration. Good RQD of 85%, weak fracturing. Few ~1% hair-like calcite stringers at 70-90 degrees to core axis. Fine grained, disseminated pyrite, pyrite localized along thin calcite stringers, ~0.5%. General shear sense of 60 degrees to core axis. Sharp lower contact 60 degrees to core axis with 1m lighter grey-green alteration leading up to contact.	146182	10.80	11.80	1.00	<5	<10									
11.80	16.10	FELDSPAR PORPHYRY Fine grained matrix, very hard, pinkish to buff, 2% quartz eyes, 15% feldspar phenocrysts (1-3mm), non-magnetic, homogenous, massive feldspar porphyry dyke. Strong siliceous alteration, minor chlorite alteration, possible weak potassic alteration as unit is pinkish for ~1m after contact.	146183	11.80	12.80	1.00	<5	<10								
			146184	12.80	13.80	1.00	<5	<10								
			146185	13.80	14.80	1.00	<5	<10								
			146186	14.80	15.40	.60	<5	<10								
			146187	15.40	16.10	.70	6	<10								

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Au ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Good RQD orange 75-80%.															
		~1% weak hair-like chlorite veins at 45 degrees to core axis and calcite stringers at 60-80 degrees to core axis.															
		Disseminated fine grained and some cubic pyrite, up to 0.5%.															
		13.40 15cm long quartz vein with chlorite and cubic pyrite, up to 0.5% at irregular core axis directions (not one obvious trend).															
		Lower contact likely sharp but in 10cm broken core section.															
		11.80 12.80 Fine grained disseminated trace pyrite.															
		12.80 13.80 Fine grained disseminated and cubic pyrite, 0.5%.															
		13.80 14.80 Fine grained disseminated pyrite with quartz veining hosting pyrite, 0.5%.															
		14.80 15.40 Fine grained disseminated and cubic pyrite, 0.5%.															
		15.40 16.10 Fine grained disseminated and cubic pyrite, 0.5%.															
16.10	43.40	FELSIC VOLCANIC (UNDIFFERENTIATED)															
		Fine grained ash, very hard, non to very weakly-magnetic, alternating grey with buffish grey tuffaceous bedding and shearing, likely a felsic ash tuff of rhyodacite composition.	146188	16.10	17.10	1.00	5	<10									
			146189	17.10	18.10	1.00	<5	<10									
			146190	18.10	19.10	1.00	7	<10									
			146191	19.10	20.10	1.00	<5	<10									
		Strong siliceous alteration, minor carbonate alteration, chlorite alteration (patchy), and buff sericite alteration.	146192	20.10	21.10	1.00	<5	<10									
			146193	36.10	37.10	1.00	<5	<10									
			146194	37.10	38.10	1.00	<5	<10									
		Good RQD of 85-90%.	146195	38.10	39.10	1.00	<5	<10									
		Weak fracturing at 60 degrees to core axis with minor calcite filling fractures.	146196	39.10	39.10	.00	242	250									
			146197	39.10	40.10	1.00	<5	<10									
		1% Thin and hair-like calcite stringers at 60 degrees (along bedding) to core axis with some cross-cutting at 0-5 degrees to core axis, 1% thin minor quartz+/-carbonate veins at 70-90 degrees to core axis.	146198	40.10	41.10	1.00	<5	<10									
			146199	42.40	43.40	1.00	<5	<10									
		Up to 5% bedded/foliated pyrite at 60-70 degrees to core axis.															
		Tuffaceous foliation generally at 50-60 degrees to core axis.															
		27.40 27.75 Fine grained, hard, mafic to intermediate dyke (possibly an andesite)															
		Tiny mm-sized specs of fine grained black mineral, prevalent and concentrated mainly in lighter grey, more siliceous cherty tuff beds.															
		5% Lighter grey to grey-buff stretched fragments along 60-70 degrees to core axis.															
		Sharp lower contact 65 degrees to core axis with brecciated fragments at contact.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Au ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		16.10 17.10 Fine grained disseminated pyrite with quartz veining hosting pyrite, 0.5%.															
		17.10 18.10 Fine grained disseminated pyrite, ~3%.															
		18.10 19.10 Fine grained disseminated pyrite, ~3%.															
		19.10 20.10 Fine grained disseminated pyrite, ~3%.															
		20.10 21.10 Fine grained disseminated pyrite, ~3%.															
		36.10 37.10 Fine grained disseminated pyrite, ~3%.															
		37.10 38.10 Fine grained disseminated pyrite, ~3%.															
		38.10 39.10 Fine grained disseminated pyrite, ~3%.															
		39.10 Fine grained disseminated pyrite, ~3%.															
		39.10 40.10 Standard pm 402.															
		40.10 41.10 Fine grained disseminated pyrite, ~3%.															
		42.40 43.40 Fine grained disseminated pyrite, ~3%.															
43.40	46.50	FELDSPAR PORPHYRY															
		Fine grained matrix, very hard, buff to buff-grey, up to 15% feldspar phenocrysts (1-3mm), non-magnetic, homogenous, massive feldspar porphyry dyke.	146200	43.40	44.40	1.00	<5	<10									
			146201	44.40	44.40	.00	<5	<10									
			146202	44.40	45.40	1.00	<5	<10									
			146203	45.40	46.50	1.10	<5	<10									
		Strong siliceous alteration, patchy chlorite alteration, minor carbonate alteration.															
		Good RQD of 90%, weak fracturing.															
		Up to 1% thin hair-like chlorite veins at 60 degrees to core axis, with a couple minor hair-like yellow-buff epidote veins at 50 degrees to core axis															
		Up to 1% finely disseminated pyrite and possible trace very fine grained silvery specks of what looks like arsenopyrite.															
		Sharp lower contact at 70 degrees to core axis.															
		43.40 44.40 Fine grained disseminated pyrite, ~3%.															
		44.40 Fine grained cubic and disseminated pyrite, up to 1%, possible fine grained trace arsenopyrite.															
		44.40 45.40 Blank.															
		45.40 46.50 Fine grained cubic and disseminated pyrite, up to 1%, possible fine grained trace arsenopyrite.															
46.50	70.50	FELSIC VOLCANIC (UNDIFFERENTIATED)															
		Fine grained ash, very hard, non to weakly magnetic, alternating grey-light grey, to cream buff-grey within a sheared tuffaceous felsic unit of rhyodacite composition.	146204	46.50	47.50	1.00	<5	<10									
			146205	56.00	57.00	1.00	<5	<10									
			146206	57.00	58.00	1.00	<5	<10									
			146207	58.00	59.00	1.00	<5	<10									
		Strong siliceous alteration, minor carbonate alteration, chlorite alteration (patchy), buff sericite alteration.	146208	59.00	60.00	1.00	<5	<10									
			146209	60.00	61.00	1.00	<5	<10									
			146210	69.50	70.50	1.00	<5	20									
		Good RQD of 85-90%.															
		Weak fracturing at 60 degrees to core axis, with minor calcite+quartz filling few fractures.															
		2% Quartz+/-carbonate veins at various degrees to core axis with a common trend of 65-90 degrees to															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Au ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		core axis.															
		Foliated at 50-60 degrees to core axis with up to 5% pyrite.															
		46.50 50.00 Unit is more fragmental, ~10-15% fragments, 1-5cm in size, elongated to bedding.															
		59.30 20cm long, 3-4cm thick vuggy quartz-carbonate vein with finely disseminated pyrite.															
		60.00 15cm long 2-3cm thick quartz vein at 5 degrees to core axis with finely disseminated pyrite.															
		5% Tiny mm-sized specs of fine grained black mineral giving the unit the appearance of darker bands throughout unit until about 65m, after 65m specs appear as thin black mineral lineation's.															
		65.80 30cm broken core section.															
		70.00 2cm thick vuggy quartz-carbonate vein at 50 degrees to core axis.															
		70.20 10cm long quartz-ankerite vein (stained blue) at 0 degrees to core axis pinched out and continues at 15 degrees to core axis.															
		Sharp lower contact at 60 degrees to core axis.															
		46.50 47.50 Fine grained cubic and disseminated pyrite, up to 1%, possible fine grained trace arsenopyrite.															
		56.00 57.00 Fine grained disseminated pyrite, up to 1%.															
		57.00 58.00 Fine grained disseminated pyrite, ~3-5%.															
		58.00 59.00 Fine grained disseminated pyrite, ~3-5%.															
		59.00 60.00 Fine grained disseminated pyrite, ~3-5%.															
		60.00 61.00 Fine grained disseminated pyrite, ~3-5% with 20cm long quartz-carbonate vein.															
		69.50 70.50 Fine grained disseminated pyrite, ~3-5%.															
70.50	75.00	FELDSPAR PORPHYRY															
		Fine grained matrix, very hard, buff to buff-grey,	146211	70.50	70.50	.00	30	70	20	40							
		10% feldspar phenocrysts (1-3mm), non-magnetic,	146212	70.50	71.50	1.00		<5		<5	<10						
		homogenous, massive feldspar porphyry dyke.	146213	71.50	72.50	1.00		<5		<5	<10						
		Siliceous alteration, minor chlorite alteration.	146214	72.50	73.50	1.00		<5		<5	<10						
		Good RQD of 90%, weak fracturing.	146215	73.50	74.20	.70		<5		<5	<10						
		Few hair-like chlorite stringers at 30 degrees to core axis.	146216	74.20	75.00	.80		<5		<5	<10						
		Finely disseminated very fine grained pyrite, up to 0.5-1%.															
		Sharp lower contact at 60-70 degrees to core axis at edge of broken core.															
		70.50 Fine grained disseminated pyrite, ~3-5% with quartz-ankerite vein.															
		70.50 71.50 Standard pm 417.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Au ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		71.50 72.50 0.5% finely disseminated pyrite.															
		72.50 73.50 0.5% finely disseminated pyrite.															
		73.50 74.20 0.5% finely disseminated pyrite.															
		74.20 75.00 0.5% finely disseminated pyrite.															
75.00	76.10	FELSIC VOLCANIC (UNDIFFERENTIATED)															
		Fine grained ash, very hard, non to weakly	146217	75.00	76.00	1.00	<5	<10									
		magnetic, alternating light grey to cream buff-grey															
		within a sheared tuffaceous felsic volcanic unit of															
		rhyodacite composition.															
		Strong siliceous alteration, minor carbonate															
		alteration, chlorite alteration (patchy), buff															
		sericite alteration.															
		Good RQD of 90%, weak fracturing.															
		3-5% Finely disseminated and sheared pyrite.															
		Foliation at 60 degrees to core axis.															
		Irregular contact at ~60 degrees to core axis (not															
		obviously sharp).															
		75.00 76.00 0.5% finely disseminated pyrite.															
76.10	81.60	MAFIC INTRUSIVE (UNDIFFERENTIATED)															
		Medium grained, dark grey with purplish tinge,															
		non-magnetic, hard, looks like a melanocratic															
		biotite gabbro.															
		Strong-moderate biotization, weak pervasive															
		carbonate alteration.															
		Good RQD of 85%, weak fracturing.															
		~1% calcite stringers at 70 degrees to core axis.															
		Finely disseminated cubic pyrite and pyrite in few															
		calcite stringers, up to 0.5%.															
		81.20 1cm thick vuggy white quartz vein at 70															
		degrees to core axis with 0.5% coarse															
		cubic pyrite.															
		Irregular lower contact at ~60 degrees to core axis.															
81.60	97.30	FELSIC VOLCANIC (UNDIFFERENTIATED)															
		Fine grained ash, very hard, non to weakly	146218	85.00	86.00	1.00	<5	<10									
		magnetic, alternating light grey to cream buff-grey	146219	86.00	87.00	1.00	<5	<10									
		to purplish-grey within a sheared tuffaceous felsic	146220	87.00	87.00	.00	<5	<10									
		volcanic unit, likely a rhyodacite.	146221	87.00	88.00	1.00	<5	<10									
		Strong siliceous alteration, minor carbonate	146222	88.00	89.00	1.00	<5	10									
		alteration, moderate purplish biotization or	146223	89.00	90.00	1.00	<5	10									
		hematization at depth, chlorite alteration	146224	96.30	97.30	1.00	<5	10									
		(patchy), buff sericite alteration.															
		Good RQD of 90%, weak fracturing.															
		1% White quartz stringers at 60-70 degrees to core															
		axis, 1% calcite veins at 70-80 degrees to core axis															
		Up to 3-5% fine grained and cubic pyrite.															
		Cubic pyrite and finely disseminated pyrite aligned															
		at a general shear sense of 50-60 degrees to core															
		axis, becoming more disseminated and less															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Au ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		aligned/sheared with depth (~91m).															
		91.00 Unit is darker grey to purplish grey with less pyrite and shear banding, feldspars elongated along shear sense direction, likely hematite alteration.															
		Sharp lower contact at 70 degrees to core axis with 30cm fine grained light grey chill zone.															
		85.00 86.00 Fine grained disseminated pyrite, ~3-5%.															
		86.00 87.00 Fine grained disseminated pyrite, ~3%.															
		87.00 Fine grained disseminated pyrite, up to 3%.															
		87.00 88.00 Blank.															
		88.00 89.00 Fine grained disseminated pyrite, up to 3%.															
		89.00 90.00 Fine grained disseminated pyrite, up to 3%.															
		96.30 97.30 Fine grained disseminated pyrite, ~3-5%.															
97.30	102.00	FELDSPAR PORPHYRY															
		Fine grained matrix, very hard, buff to buff-grey, up to 10% feldspar phenocrysts (1-3mm), non-magnetic, homogenous, massive quartz feldspar porphyry dyke.	146225	97.30	98.30	1.00	<5	10									
			146226	98.30	99.30	1.00	<5	<10									
			146227	99.30	100.30	1.00	<5	10									
			146228	100.30	101.30	1.00	<5	<10									
		Siliceous alteration, minor chlorite alteration, and minor pinkish-orange potassic alteration.	146229	101.30	102.00	.70	<5	10									
		Good RQD of 90-95% with weak fracturing.															
		1% Hair-like yellowish epidote stringers at 55-80 degrees to core axis.															
		Very fine grained disseminated pyrite, ~0.5%.															
		Sharp lower contact at 60 degrees to core axis with light grey 20cm long chill zone.															
		97.30 98.30 Fine grained disseminated pyrite, up to 2-3%.															
		98.30 99.30 Fine grained finely disseminated pyrite, ~0.5%.															
		99.30 100.30 Fine grained finely disseminated pyrite, ~0.5%.															
		100.30 101.30 Fine grained finely disseminated pyrite, ~0.5%.															
		101.30 102.00 Fine grained finely disseminated pyrite, ~0.5%.															
102.00	117.50	FELSIC VOLCANIC (UNDIFFERENTIATED)															
		Fine grained ash, very hard, non to weakly magnetic, alternating light grey to cream buff-grey to purplish-grey within a sheared tuffaceous felsic volcanic unit, likely a rhyodacite.	146230	102.00	103.00	1.00	<5	<10									
			146231	103.00	103.00	.00	249	250									
			146232	106.00	107.00	1.00	<5	<10									
			146233	107.00	108.00	1.00	<5	<10									
		Strong siliceous alteration, minor carbonate alteration, moderate purplish hematization, chlorite alteration (patchy), buff sericite alteration.	146234	108.00	109.00	1.00	<5	<10									
			146235	109.00	110.00	1.00	<5	<10									
			146236	110.00	111.00	1.00	<5	<10									
			146237	116.50	117.50	1.00	<5	10									

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Au ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Good RQD of 90%.															
		Weak fracturing with moderate quartz filling															
		fractures at 60 degrees to core axis.															
		2% Sometimes vuggy white quartz+/-carbonate (one															
		stained blue for ankerite) veins at 60-70 degrees															
		to core axis.															
		3-8% Pyrite, finely disseminated or cubic, along															
		shears, or in quartz veins and hematite altered															
		subunit.															
		General foliation of 60 degrees to core axis.															
		102.60 30cm broken core section.															
		108.40 109.80 Unit is darker grey-purple, not															
		obviously sheared (more massive															
		looking), more heavily hematite															
		altered with larger cubic pyrite															
		grains, ~3-8%.															
		109.60 5-6cm thick white quartz+/-carbonate															
		vein with coarse pyrite, ~2% with															
		1-2cm pink alteration halo at 60															
		degrees to core axis and															
		fuchsite+carbonate.															
		Sharp lower quartz-carbonate vein contact at ~45															
		degrees to core axis.															
		102.00 103.00 Fine grained finely disseminated															
		pyrite, ~0.5%.															
		103.00 Fine grained disseminated pyrite,															
		~3-5%.															
		106.00 107.00 Standard pm 402.															
		107.00 108.00 Fine grained disseminated pyrite, up															
		to 3%.															
		108.00 109.00 Fine grained disseminated pyrite, up															
		to 3%.															
		109.00 110.00 Fine grained disseminated pyrite, up															
		to 3%.															
		110.00 111.00 Fine grained disseminated cubic															
		pyrite, up to 2-3%.															
		116.50 117.50 Fine grained disseminated pyrite, up															
		to 3%.															
117.50	120.10	QUARTZ CARBONATE VEIN															
		Hard, white, quartz+carbonate veins system at 50	146238	117.50	118.10	.60	<5	10									
		degrees to core axis, 5-15cm thick.	146239	118.10	118.70	.60	7	20									
		Silicified, carbonate altered.	146240	118.70	119.40	.70	<5	10									
		Good RQD of 90%.	146241	119.40	119.40	.00	<5	<10									
		117.50 118.10 5-10cm thick white quartz-carbonate	146242	119.40	120.10	.70	<5	<10									
		vein at 60 degrees to core axis.															
		118.20 118.50 4-6cm thick white quartz-carbonate															
		vein at 50 degrees to core axis.															
		118.70 120.10 Thick white quartz-carbonate vein at															
		60-70 degrees to core axis.															
		Quartz veins are intercalated with felsic tuff															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Au ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		sections, ~10-20cm long in between quartz veining.															
		Quartz is largely barren with finely disseminated															
		to coarser cubic pyrite with 2-3cm pyrite blebs, up															
		to 3% pyrite with 3-8% pyrite in intercalating															
		felsic tuff.															
		Lower contact at 50 degrees to core axis.															
		117.50 118.10 Fine grained disseminated pyrite, up															
		to 3%.															
		118.10 118.70 Finely disseminated pyrite, ~1%.															
		118.70 119.40 Finely disseminated pyrite, ~1-2%.															
		119.40 Finely disseminated pyrite, ~1%.															
		119.40 120.10 Blank.															
120.10	144.50	FELSIC VOLCANIC (UNDIFFERENTIATED)															
		Fine grained ash, very hard, non to weakly	146243	120.10	121.10	1.00	28	<10									
		magnetic, alternating light grey to cream buff-grey	146244	130.00	131.00	1.00	27	<10									
		to purplish-grey within a sheared tuffaceous felsic	146245	131.00	132.00	1.00	10	10									
		volcanic unit, likely a rhyodacite.	146246	132.00	133.00	1.00	7	10									
		Strong siliceous alteration, minor carbonate	146247	133.00	134.00	1.00	35	40									
		alteration, patchy chlorite alteration, buff	146248	134.00	135.00	1.00	38	40									
		sericite alteration.	146249	143.50	144.50	1.00	<5		0								
		Good RQD of 90%.															
		Weak fracturing at 60 degrees to core axis.															
		1% Thin white quartz veins at 80-90 degrees to core															
		axis.															
		Foliated at 50-60 degrees to core axis.															
		Up to 3-5% foliated pyrite and disseminated pyrite.															
		Sharp lower contact at 60 degrees to core axis.															
		120.10 121.10 Finely disseminated pyrite, ~1%.															
		130.00 131.00 Finely disseminated pyrite, ~1-2%.															
		131.00 132.00 Fine grained disseminated pyrite, up															
		to 3%.															
		132.00 133.00 Fine grained disseminated pyrite, up															
		to 3%.															
		133.00 134.00 Fine grained disseminated pyrite,															
		~3-5%.															
		134.00 135.00 Fine grained disseminated pyrite,															
		~3-5%.															
		143.50 144.50 Fine grained disseminated pyrite, up															
		to 3%.															
144.50	146.25	FELDSPAR PORPHYRY															
		Fine grained matrix, very hard, buff to grey, up to	146250	144.50	145.50	1.00	<5		0								
		10% feldspar phenocrysts (1-3mm), non-magnetic,	146251	145.50	145.50	.00	8590	9100									
		homogenous, massive quartz feldspar porphyry dyke.	146252	145.50	146.20	.70	7	<10									
		Siliceous alteration, minor chlorite alteration.	146253	146.20	147.20	1.00	<5	<10									
		Good RQD of 90%.															
		Up to 1% 1cm thick white quartz vein at 60 degrees															
		to core axis.															
		Fine grained disseminated pyrite, ~0.5%.															
		Sharp lower contact at 50-60 degrees to core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Au ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		144.50 145.50 Fine grained disseminated pyrite, 2-3%															
		145.50 Fine grained disseminated pyrite, ~1%.															
		145.50 146.20 Standard pm 908.															
		146.20 147.20 Fine grained disseminated pyrite, ~1%.															
146.25	168.50	FELSIC VOLCANIC (UNDIFFERENTIATED)															
		Fine grained ash, very hard, non to weakly	146254	164.50	165.50	1.00	<5	<10									
		magnetic, alternating light grey to cream buff-grey	146255	165.50	166.50	1.00	<5	10									
		to purplish-grey within a sheared tuffaceous felsic	146256	166.50	167.50	1.00	5	10									
		volcanic unit, likely a rhyodacite.	146257	167.50	168.50	1.00	5	10									
		Strong siliceous alteration, minor carbonate															
		alteration and chlorite alteration, buff sericite															
		alteration.															
		Good RQD of 90-95% with weak fracturing and minor															
		carbonate filling fractures at 40-55 degrees to															
		core axis.															
		1% White, often vuggy to drusy vugg calcite,															
		quartz-carbonate veins up to 10cm long at 50-60															
		degrees to core axis with up to 1% cubic and finely															
		disseminated pyrite, with very fine grained silvery															
		specks of possible arsenopyrite in trace.															
		Up to 3% fine grained foliated pyrite bands and															
		disseminations.															
		150.40 150.70 30cm long dyke of quartz-feldspar															
		porphyry at 60-70 degrees to core axis															
		167.10 10cm long white quartz-carbonate vein.															
		Sharp lower contact at 50-60 degrees to core axis															
		with 10cm long grey fine grained chill margin.															
		164.50 165.50 Fine grained disseminated pyrite, 2-3%															
		165.50 166.50 Fine grained disseminated pyrite, 2-3%															
		166.50 167.50 Fine grained disseminated pyrite, up															
		to 3%.															
		167.50 168.50 Fine grained disseminated pyrite, up															
		to 3% with 1% pyrite in quartz vein,															
		possible trace arsenopyrite.															
168.50	171.50	FELDSPAR PORPHYRY															
		Fine grained matrix, very hard, buff to	146258	168.50	169.50	1.00	<5	<10									
		buff-orange-pink, ~5-10% feldspar phenocrysts	146259	169.50	170.50	1.00	<5	<10									
		(1-3mm), non-magnetic, homogenous, massive quartz	146260	170.50	171.50	1.00	<5	<10									
		feldspar porphyry dyke.															
		Siliceous alteration, minor chlorite alteration.															
		Decent RQD of 80% until 170.5m where core is broken															
		until end of hole, with RQD of 20%.															
		Finely disseminated pyrite, up to 1%.															
		White feldspar phenocrysts subhedral and up to 2mm															
		in size.															
		168.50 169.50 Fine grained disseminated pyrite, up															
		to 3% with up to 1% in															
		quartz-carbonate veins.															
		169.50 170.50 Up to 0.5-1% finely disseminated															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Au ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		pyrite.															
		170.50 171.50 Up to 0.5-1% finely disseminated pyrite.															
171.50		END OF HOLE															
		171.50 Up to 0.5-1% finely disseminated pyrite.															

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Northing: 421327.00
Easting: 5335175.00
Elevation: 351.00

Collar Azi.: 360.0
Collar Dip: -45.0

Hole length: 125.00
Units: Metric
Core size: NQ
Grid: Metric 2007

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: Very soft with several sections washed away
Logged by: J. Craig
Date(s) logged: June 1, 2010
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
53	360.0	-45.0
125	360.0	-45.0

Drill Hole: TW-10-10

Project: Timmins West
Property: Timmins West
Claim: 4207036
Northing: 725N
Easting: L1400E
GPS Northing: 5335175
GPS Easting: 421327
Date Started: May 30, 2010
Date completed: June 1, 2010
Drilled by: Bradley Bros
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 146747-758
Lab report: Job 096

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	40.00	OVERBURDEN 40m Of casing.															
40.00	59.00	FAULT ZONE Heavily broken up, sheared, fissile, weak, very soft, fault zone adcumulate peridotite. Fine grained, dark grey to black, patchy magnetism that varies from weak to strong. Several thick sections of fault gouge and fault breccia, in general the unit is held together by grey-green clay that coats the core. Serpentine altered, weakly carbonate altered. Unit is mostly in tact but very friable and easily broken, not competent. RQD is decent, and ~80% considering core is held together by clay. Fracturing very common at many different angles to core axis, no dominant trend. Weak veining, dominantly thin white calcite veins (~1%) at 40 degrees to core axis, 75 degrees to core axis, and 0-5 degrees to core axis. No visible sulphides. 57.20 30-40cm broken core section, RQD of 25%.															
59.00	105.60	KOMATIITIC PERID0TITE ADCUMULATE 59.00 Drillers noted a 2ft. Wash away of core.	146747	64.50	65.50	1.00	10	8	0	78.0	45	18	66				

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Lower contact not obvious but marked by core	146748	65.50	66.00	.50	12	7	0	50.0	44	18	70				
		becoming more competent with less sheared/clayey	146749	66.00	67.00	1.00	9	10	0	83.0	57	20	59				
		core sequences.	146750	104.60	105.60	1.00	6	<5	0	74.0	42	19	65				
		Fine grained, dark grey to black, variable hardness															
		from moderately hard to soft where sheared and															
		fractured, variable magnetism from weak to strong,															
		~85% olivine composition, adcumulate peridotite.															
		Unit is close to fault, or may still be in the															
		fault zone but appears to be more competent with															
		few sequences of clayey fault gouge and more															
		frequent sequences of hard compact core.															
		Strong serpentine alteration, moderate carbonate															
		alteration as clay gouge reacts strongly to hcl.															
		RQD ~80% with few broken core sections.															
		Fracturing common and chaotic, dominant trend seems															
		to be 55 degrees to core axis and 85 degrees to															
		core axis.															
		1% Thin white with few pink calcite veins seem to															
		occur at 60 degrees to core axis, but also appear															
		at chaotic angles and as calcite fragments. Up to															
		1% light green serpentine+calcite veins rare.															
		Rare trace fine grained pyrite.															
		No obvious shear trend however some sections															
		suggest 70 degrees to core axis may be the dominant															
		trend of shearing.															
		Overall the unit is ~20% competent with 1/5th of it															
		being harder, more compact and not easily broken.															
		64.50 67.70 Core is harder and more competent, not															
		interspersed with clay and shearing.															
		68.00 Drillers noted a 1ft. Wash away of core															
		(~70cm of core lost).															
		85.40 Heavily broken core section, pulverized															
		core, RQD of 15-20%.															
		91.20 91.30 10cm section of spinifex texture,															
		random and chicken scratch, with															
		olivine blades up to 1.5cm long.															
		Sharp lower contact at 50 degrees to core axis															
		marked by calcite veining.															
		64.50 65.50 Bracket sample, no visible sulphides.															
		65.50 66.00 Bracket sample, no visible sulphides.															
		66.00 67.00 Bracket sample, no visible sulphides.															
		104.60 105.60 Bracket sample, no visible sulphides.															
105.60	111.30	KOMATIITIC PERIDOTITE GRAPHITIC															
		Fine grained, dark grey, variable hardness,	146751	105.60	106.60	1.00	11	8	0	106	35	19	65				
		variably magnetic (strong in places), graphitic and	146752	106.60	107.60	1.00	14	10	0	70.0	43	20	65				
		carbonate altered adcumulate peridotite.	146753	107.60	108.60	1.00	12	8	0	46.0	31	18	69				
		Moderate serpentine alteration, strong carbonate	146754	108.60	109.60	1.00	8	5	0	69.0	25	16	35				
		alteration and moderate graphite alteration (shiny	146755	109.60	110.60	1.00	12	7	0	82.0	41	19	46				
		silvery fracture planes with a greasy feel/residue).	146756	110.60	111.30	.70	11	7	0	88.0	28	17	36				
		Good RQD of 85%.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		Fracturing common at 50 degrees to core axis with minor calcite filling healed fractures. Calcite veins on the order of 5-12%, appears white-grey and has possible weak ankerite alteration (weakly stained blue), veins generally trend at 50-55 degrees to core axis. Few calcite+pale green serpentine veins at various angles. No visible sulphides. Sharp lower contact at 55-60 degrees to core axis.															
		105.60 106.60 No visible sulphides, graphite and carbonate alteration.															
		106.60 107.60 No visible sulphides, graphite and carbonate alteration.															
		107.60 108.60 No visible sulphides, carbonate alteration.															
		108.60 109.60 No visible sulphides, carbonate alteration.															
		109.60 110.60 No visible sulphides, carbonate alteration.															
		110.60 111.30 No visible sulphides, carbonate alteration.															
111.30	125.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Fine grained, dark grey to black, variable hardness	146757	111.30	111.30	.00	6	<5	1	58.0	332	137	19				
		from moderately hard to soft where sheared and	146758	111.30	112.30	1.00	9	7	0	178	43	17	72				
		fractured, variable magnetism from weak to strong, ~85% olivine composition, adcumulate peridotite. Serpentine altered, weakly carbonate altered. Good RQD of 80-85%. Fracturing common at 50 to 75 degrees to core axis with rare calcite filling few of the fractures. 2% Hair-like to 1cm thick white and pink calcite veins at 0-5 degrees to core axis and 55 degrees to core axis. No visible sulphides. 111.30 Standard pm 404. 111.30 112.30 Bracket sample.															
125.00		END OF HOLE															

Date: 18 Aug, 2010

GOLDEN CHALICE RESOURCES

Page: 1 of 6

Northing: 421417.00
Easting: 5334965.00
Elevation: 366.00

Collar Azi.: 180.0
Collar Dip: -45.0

Hole length: 176.00
Units: Metric
Core size: NQ
Grid: Metric 2007

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: N/A
Logged by: J. Craig
Date(s) logged: May 31, 2010
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
53	180.7	-47.5
104	182.6	-47.3
155	182.0	-48.1
176	182.1	-48.2

Drill Hole: TW-10-09

Project: Timmins West
Property: Timmins West
Claim: 4207036
Northing: 470N
Easting: L1500E
GPS Northing: 5334965
GPS Easting: 421417
Date Started: May 28, 2010
Date completed: May 29, 2010
Drilled by: Bradley Bros
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 146711-746
Lab report: Job: 096

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	40.00	OVERBURDEN 40m Of casing.															
40.00	44.00	FAULT ZONE Broken up core with short fault gouge sequences in fine grained, dark grey, moderately magnetic adcumulate peridotite. Moderate serpentine alteration, weakly carbonate altered fault gouge. Variable RQD, rough visual RQD of 45-50%. Plenty of fracturing at variable angles to core axis, 60-65 degrees to core axis most common. Few ~1% thin white calcite veins at 30 degrees to core axis and 65 degrees to core axis. No visible sulphides. A few short clayey fault gouge sections, ~3-4cm in size and intermixed in pulverized core, ~10cm gouge near 43m. 39.60 39.90 Broken/pulverized core section, RQD of 10%. Lower contact into more intact, higher RQD adcumulate peridotite.															
44.00	49.40	KOMATIITIC PERID0TITE ADCUMULATE Very fine grained, black to dark grey, variable															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		hardness, moderately hard to soft where it looks a															
		bit fissile, moderately to strongly magnetic															
		(patchy in places), ~85% olivine, homogeneous,															
		massive, adcumulate peridotite.															
		Moderate serpentine alteration, weak carbonate															
		alteration.															
		RQD variable with many broken sections, and faults.															
		Rough visual RQD of 75-80%.															
		Fracturing common at 65-70 degrees to core axis.															
		2% Thin white calcite stringers at 45 degrees to															
		core axis, 65-70 degrees to core axis and few at															
		25-30 degrees to core axis.															
		Trace fine grained pyrite.															
		Lower contact marked by fault gouge.															
49.40	56.40	FAULT ZONE															
		Broken up core with fault gouge sequences in fine															
		grained, dark grey, moderately magnetic (patchy)															
		adcumulate peridotite.															
		Moderate serpentine alteration, weak to moderate															
		carbonate alteration (fault gouge reacts to hcl).															
		Variable RQD, heavily broken up, roughly ~35-40%.															
		Frequent fracturing at various degrees to core															
		axis, notably at 60 degrees to core axis.															
		Trace thin hair-like calcite stringers.															
		Trace fine grained pyrite.															
		49.80 52.50 Heavily broken section of core, RQD of															
		20-25%.															
		Lower contact into higher RQD core.															
56.40	80.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Very fine grained, black to dark grey, hard,															
		moderately to strongly magnetic (patchy in places),															
		~80-85% olivine, homogeneous, massive, adcumulate															
		peridotite.															
		Moderate to strong serpentine alteration, weak															
		carbonate alteration.															
		RQD of ~80-85%.															
		Fracturing common at 85 degrees to core axis and															
		65-70 degrees to core axis with minor calcite															
		filling few fractures.															
		2-5% Thin calcite stringers and up to 3cm thick															
		calcite veins at 45 degrees to core axis and 0-5															
		degrees to core axis.															
		Trace fine grained pyrite, trace to 0.5% along															
		fractures.															
		Lower contact marked by appearance of spinifex															
		texture.															
80.90	83.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey spinifex textured unit, fine grained,															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		hard, patchy moderate to strongly magnetic,															
		adcumulate peridotite.															
		Moderate serpentine alteration, weak carbonate															
		alteration.															
		RQD of 85-90%.															
		Fracturing at 70-75 degrees to core axis with minor															
		calcite filling fractures.															
		1% White calcite stringers at 50 degrees to core															
		axis.															
		Trace to nil sulphides.															
		Variable spinifex textures, very little platy															
		spinifex with up to 2cm long olivine blades, mostly															
		random and chicken scratch texture, generally faint															
		and 0.5cm sized olivine blades.															
		Lower contact marked by spinifex dwindling and															
		becoming more faint.															
83.80	113.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Very fine grained, black to dark grey, variable	146711	96.00	97.00	1.00	7	10	0	77.0	46	21	81				
		hardness (hard to medium-soft where more	146712	97.00	98.00	1.00	9	8	0	65.0	40	60	50				
		fissile/fractured), moderately to strongly	146713	98.00	99.00	1.00	7	9	0	85.0	45	24	64				
		magnetic, ~85% olivine, homogeneous, massive,	146714	112.40	113.40	1.00	8	8	0	82.0	40	17	55				
		adcumulate peridotite.															
		Moderate to strong serpentine alteration, weak															
		carbonate alteration, weak talc alteration.															
		RQD of 85-90%.															
		Fracturing common at high angles to core axis,															
		generally ~80-85 degrees to core axis.															
		5-6% White calcite veins at 50 degrees to core axis															
		and 85 degrees to core axis, variable thickness															
		from hair-like to 6 cm thick.															
		97.80 10cm thick grey-white quartz-carbonate															
		vein at 80 degrees to core axis.															
		Sharp lower contact at 75-80 degrees to core axis.															
		96.00 97.00 Bracket sample, no visible sulpides.															
		97.00 98.00 0.5% fine grained pyrite as small															
		angular blebs near thick calcite vein,															
		trace pyrrhotite.															
		98.00 99.00 Bracket sample, no visible sulpides.															
		112.40 113.40 Bracket sample.															
113.40	117.50	FELSIC INTRUSIVE (UNDIFFERENTIATED)															
		Hard, grey-white, fine grained, siliceous felsic	146715	113.40	114.40	1.00	<5										
		intrusive dyke.	146716	114.40	115.40	1.00	<5										
		Strongly silicified, moderate chlorite alteration.	146717	115.40	116.40	1.00	19										
		Good RQD of 85-90%.	146718	116.40	117.50	1.10	<5										
		Fracturing common at 70 degrees to core axis.															
		1-2% Calcite stringers at 50-65 degrees to core axis															
		Trace chalcopyrite in calcite stringer, trace pyrite															
		Chloritic and micaceous selvages within unit.															
		115.10 116.00 Small fault into adcumulate															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		peridotite with 5-10cm sections of fault gouge.															
		Sharp lower contact at 80-85 degrees to core axis.															
		113.40 114.40 Trace pyrite, felsic dyke.															
		114.40 115.40 Trace pyrite, felsic dyke.															
		115.40 116.40 Trace pyrite, felsic dyke.															
		116.40 117.50 Trace chalcopyrite in calcite stringers, felsic dyke.															
117.50	124.80	FAULT ZONE															
		Soft, broken up and sheared fine grained, dark grey	146719	117.50	117.50	.00	9235										
		weakly magnetic adcumulate peridotite. With several	146720	117.50	118.50	1.00	10	9	0	59.0	45	19	53				
		sections of clayey fault gouge.															
		Serpentine altered, carbonate altered.															
		RQD of 75%, core is mostly in tact but very friable															
		and easy to break (fracture selvages coated with															
		clay).															
		Fracturing at variable and high angles to core															
		axis, noted around 75-85 degrees to core axis.															
		2% Common thin white calcite stringers at various															
		degrees to core axis, but noted at 85-90 degrees to															
		core axis.															
		Trace fine grained disseminated pyrite.															
		Several sections of 10-20cm long grey to light															
		green clayey fault gouge.															
		Lower contact marked by darker and harder															
		adcumulate peridotite.															
		117.50 Standard pm 908.															
		117.50 118.50 Bracket sample.															
124.80	158.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Very fine grained, black to dark grey, hardness	146721	126.00	127.00	1.00	<5	<5	0	37.0	27	20	68				
		varies from hard to moderately soft/friable below	146722	127.00	128.00	1.00	8	<5	0	36.0	25	19	73				
		133m, moderately to strongly magnetic (patchy	146723	128.00	129.00	1.00	6	<5	0	45.0	25	20	77				
		magnetism), ~85-90% olivine, homogeneous, massive,	146724	129.00	130.00	1.00	<5	<5	0	44.0	21	22	71				
		adcumulate peridotite.	146725	130.00	131.00	1.00	5	<5	0	36.0	21	21	81				
		Strong-moderate serpentine alteration, weak	146726	131.00	132.00	1.00	5	5	0	37.0	22	21	89				
		carbonate alteration, trace weak talc alteration.	146727	132.00	133.00	1.00	<5	5	0	37.0	22	20	70				
		RQD of ~90%.	146728	140.60	141.60	1.00	9	8	0	36.0	62	22	60				
		Fracturing generally at 60-70 degrees to core axis	146729	141.60	141.60	.00	<5	<5	0	9.0	7	2	4				
		with frequent calcite filling fractures.	146730	141.60	142.60	1.00	<5	<5	0	20.0	14	6	11				
		Veining typically consists of 3-5% thin (hair like	146731	142.60	143.10	.50	<5	<5	0	40.0	9	4	7				
		to 1.5cm thick, typically hair-like) white calcite	146732	143.10	144.10	1.00	10	11	0	88.0	76	23	65				
		and pale to pistachio green serpentine stringers at															
		various degrees to core axis, most notable is 65-80															
		and 40 degrees to core axis. A yellow micaceous															
		mineral als0 noted within serpentine stringers.															
		Sulphides generally consist of ~0.5-1% very fine															
		grained disseminated pyrite with 0.5% pyrite in															
		numerous calcite stringers, trace chalcopyrite.															
		Lower contact marked by colour contrast and lesser															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		olivine.															
		133.20 15-20cm section of faint spinifex texture, with a random orientation to spinifex olivine blades.															
		141.60 143.10 Grey, very hard, siliceous, felsic dyke at 45-60 degrees to core axis.															
		143.20 Unit is more sheared, fractured, carbonate veined and soft.															
		Lower contact not sharp but gradual and approximate, marked by colour contrast suggesting lesser olivine composition.															
		126.00 127.00 Bracket sample.															
		127.00 128.00 0.5-1% very fine grained disseminated pyrite.															
		128.00 129.00 0.5-1% very fine grained disseminated pyrite.															
		129.00 130.00 0.5-1% very fine grained disseminated pyrite.															
		130.00 131.00 0.5-1% very fine grained disseminated pyrite.															
		131.00 132.00 0.5-1% very fine grained disseminated pyrite with 0.5% fine grained pyrite filling in calcite stringer.															
		132.00 133.00 Bracket sample, trace finely disseminated pyrite.															
		140.60 141.60 Bracket sample.															
		141.60 Blank.															
		141.60 142.60 Trace pyrite, felsic dyke.															
		142.60 143.10 Trace pyrite, felsic dyke.															
		143.10 144.10 Bracket sample, trace chalcopyrite in sheared peridotite.															
158.00	176.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Fine grained, medium to dark grey, hard to moderately hard, weak magnetism, ~75-80% olivine, massive, homogeneous, mesocumulate peridotite intercalated with felsic porphyritic dykes. Moderate to weak serpentine alteration, weak carbonate alteration, minor silicification, and minor talc alteration. Good RQD of ~85%, but has a few short broken/crumbly core sections around 173m where core is visibly softer and less competent. Fracturing common at 65 degrees to core axis. Few thin hair-like calcite stringers at 50 degrees to core axis. Sulphides consist of very fine grained trace disseminated pyrite, and trace pyrite in the feldspar porphyry dykes. Almost at the end of the hole, fine grained large 1-2cm blebs of pyrite appear at ~2% pyrite.	146733	159.80	160.80	1.00	9	9	0	51.0	58	18	63				
			146734	160.80	161.50	.70	<5	<5	0	694	25	10	27				
			146735	161.50	162.50	1.00	13	9	0	73.0	52	17	59				
			146736	168.00	169.00	1.00	9	9	0	87.0	51	17	61				
			146737	169.00	169.80	.80	<5	<5	0	248	35	19	22				
			146738	169.80	169.80	.00	<5	<5	1	477	104	30	350				
			146739	169.80	170.50	.70	<5	<5	0	144	34	14	25				
			146740	170.50	171.30	.80	6	6	0	50.0	45	15	56				
			146741	171.30	171.90	.60	<5	<5	0	41.0	29	16	28				
			146742	171.90	172.50	.60	9	9	0	30.0	30	21	61				
			146743	172.50	173.10	.60	6	7	0	39.0	53	24	53				
			146744	173.10	174.10	1.00	5	5	0	66.0	32	17	53				
			146745	174.10	175.10	1.00	10	7	0	61.0	32	12	58				
			146746	175.10	176.00	.90	7	9	0	61.0	37	17	62				

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
160.80	161.50	Felsic grey-white, hard, siliceous, coarse grained, feldspar porphyry dyke at 45-50 degrees to core axis.															
162.90	163.10	Felsic grey-white, hard, siliceous, coarse grained, feldspar porphyry dyke at 55-60 degrees to core axis.															
169.00	170.50	Felsic grey-white, hard, siliceous, coarse grained, feldspar porphyry dyke at 40 degrees to core axis.															
171.30	171.90	Felsic grey-white, hard, siliceous, coarse grained, feldspar porphyry dyke at 40-45 degrees to core axis.															
172.50	173.10	Felsic grey-white, hard, siliceous, coarse grained, feldspar porphyry dyke at 40 degrees to core axis.															
175.50		~2% fine grained pyrite blebs 1-2cm long over 10-20cm.															
159.80	160.80	Bracket sample.															
160.80	161.50	Trace fine grained yellow chalcopyrite, feldspar porphyry dyke.															
161.50	162.50	Bracket sample.															
168.00	169.00	Trace pyrite.															
169.00	169.80	Trace pyrite.															
169.80		Standard pm 417.															
169.80	170.50	Trace pyrite.															
170.50	171.30	0.5% very fine gained pyrite.															
171.30	171.90	Trace pyrite.															
171.90	172.50	No visible sulphides.															
172.50	173.10	Trace pyrite.															
173.10	174.10	Trace pyrite.															
174.10	175.10	Trace pyrite.															
175.10	176.00	~2% fine grained blebby pyrite.															
176.00		END OF HOLE															

Date: 18 Aug, 2010 | GOLDEN CHALICE RESOURCES | Page: 1 of 5

Northing: 421008.00
Easting: 5334816.00
Elevation: 351.00

Collar Azi.: 360.0
Collar Dip: -55.0

Hole length: 173.00
Units: Metric
Core size: NQ
Grid: Metric 2007

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: N/A
Logged by: J. Craig
Date(s) logged: May 27,28, 2010
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
98	5.9	-54.5
149	.7	-54.4
173	2.9	-54.3

Drill Hole: TW-10-08

Project: Timmins West
Property: Timmins West
Claim: 4207036
Northing: 305N
Easting: L1100E
GPS Northing: 5334816
GPS Easting: 421008
Date Started: May 20, 2010
Date completed: May 27, 2010
Drilled by: Bradley Bros
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 146699-710
Lab report: 85 TW-07-TW-08

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	37.00	OVERBURDEN 37m Of casing.															
37.00	47.20	KOMATIITIC PERID0TITE Driller mistake: 98m block is actually 95m, so test was done at 95m. Fine grained, medium grey to dark grey, moderate hardness, magnetic, likely peridotite, possibly adcumulate peridotite. Moderate serpentine alteration, minor carbonate alteration. Poorly RQD as core is heavily broken up in this section, with an average/approximate RQD of ~35-40% at best. Heavily erratically fractured, no obvious trend. Trace carbonate stringers. Trace to nil sulphides. 39.50 40.20 Lighter grey, softer, some what sheared/foliated section, foliated ~55-60 degrees to core axis. Lower contact in 20-30cm section of pulverized core.															
47.20	57.00	DIABASE Fine to medium grained, moderate to weak hardness, dark grey to black, moderately to strongly															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		magnetic, ~20% light green altered plagioclase															
		splotches/phenocrysts, 1-4mm in size.															
		Moderate serpentine alteration, chlorite															
		alteration, weak carbonate alteration.															
		Decent RQD of 80% for the most particularly with a															
		couple broken up sections.															
		Fracturing at ~50-60 degrees to core axis.															
		Weak veining, minor hair-like carbonate veins, no															
		obvious trend.															
		Trace to nil sulphides, trace fine grained pyrite															
		seen.															
		37.00 50.20 Really poorly core recovery, very															
		broken up and blocky core.															
		49.90 50.10 Heavily pulverized core.															
		50.20 57.00 Good RQD of 85-90%.															
		Lower contact marked by contrasting grain sizes and															
		more homogeneous texture.															
57.00	58.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Very fine grained, black to dark grey, hard,															
		moderately magnetic, ~85% olivine, homogeneous,															
		massive, adcumulate peridotite.															
		Serpentine altered, carbonate altered.															
		Variable RQD, several grinded and pulverized															
		sections, with some lost/unrecovered core.															
		Fracturing variable, generally at 65-70 degrees to															
		core axis, but heavily fractured where RQD low.															
		Minor thin hair-like carbonate veinlets at ~5															
		degrees to core axis and cross-cutting at 40															
		degrees to core axis.															
		Trace very fine grained disseminated pyrite.															
		Lower contact marked by broken core.															
58.60	62.10	FAULT ZONE															
		Heavily broken, pulverized core in fine grained															
		adcumulate peridotite.															
		Serpentine altered.															
		~1m lost/unrecovered core, RQD overall ~15%.															
		Minor clayey sections, with broken up core pieces															
		and clay between.															
		No visible sulphides.															
		Lower contact begins in biotite-rich section.															
62.10	77.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Very fine grained, black to dark grey, moderately															
		hard, moderately magnetic, ~85% olivine,															
		homogeneous, massive, adcumulate peridotite.															
		Serpentine altered, carbonate altered.															
		Poorly RQD of ~45-50% with several broken sections.															
		Fracturing erratic but often seen at 70-80 degrees															
		to core axis.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		1-2% White-grey calcite veins at 40-80 degrees to core axis.															
		No visible sulphides.															
		62.10 63.00 Purplish-grey up to 3% black biotite disseminations in core.															
		64.50 Small possible fault, heavily broken up core, RQD of ~10-15%.															
		70.00 71.00 Broken core section, heavily broken up, small core pieces, RQD ~15-20%.															
		72.10 73.30 Broken core section, heavily broken up, RQD ~25%.															
		76.10 25-30cm broken core section, RQD ~35%.															
		Lower contact in broken core.															
77.00	111.10	DIABASE															
		Fine to medium grained, moderate hardness, dark grey to black, moderately to strongly magnetic.															
		Weak chlorite alteration, weak carbonate alteration.															
		Good RQD of approximately 70-75% with several blocky sections.															
		Fracturing at various angles, generally 35-65 degrees to core axis.															
		Few thin hair-like black chlorite stringers at 45-50 degrees to core axis, few carbonate veinlets and fragments.															
		Trace to 0.5% fine grained and medium grained pyrite															
		77.00 83.50 ~20% light green altered plagioclase splotches/phenocrysts, 1-4mm in size.															
		83.50 Unit is void of plagioclase splotches, matrix looks more homogeneous and grey-green.															
		98.00 3m missing core, core block is really at 95m, and drill test was really done at 95m instead of the reported 98m.															
		100.00 105.00 Heavily broken up and blocky section, RQD ~45%.															
		Unit grades out with a fine grained chill margin over ~1m and faint lower contact ~45 degrees to core axis.															
111.10	123.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Fine grained, medium to dark grey, moderately magnetic, moderately hard, ~75-80% olivine, mesocumulate peridotite, homogeneous, massive.	146699	122.40	123.40	1.00	<5										
		Moderate-weak serpentine alteration, weak carbonate alteration.															
		Poorly RQD ~60% with a few broken up sections.															
		Fracturing generally along high angles, ~65-70 degrees to core axis.															
		Up to 1% few hair-like chlorite stringers, and few hair-like calcite stringer.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Trace fine grained disseminated pyrite.															
		117.40 30cm broken core section, RQD ~20%.															
		118.00 20cm broken core section, RQD ~15-20%.															
		119.30 20-30cm broken core section, RQD ~15%.															
		120.10 30-40cm broken core section, RQD ~20%.															
		Faint but sharp lower contact around 65-70 degrees to core axis.															
		122.40 123.40 Bracket sample, trace pyrite.															
123.40	128.80	DIABASE															
		Medium grained, moderate hardness, dark grey, moderately to strongly magnetic, massive, homogeneous diabase dyke.	146700	123.40	124.40	1.00	7										
			146701	124.40	125.40	1.00	<5										
			146702	125.40	126.40	1.00	<5										
		Weak chlorite alteration, weak serpentine alteration	146703	126.40	127.20	.80	<5										
		Good RQD of ~70%.	146704	127.20	127.80	.60	<5										
		Fracturing mainly at high angles to core axis.	146705	127.80	128.80	1.00	<5										
		Up to 1.5% fine and medium grained pyrite in stringers and along fractures, concentrated along lower contact area.															
		Coarser grained plagioclase phenocrysts seen in one spot forming a pseudo gabbroic texture for 20cm close to upper contact.															
		Sharp lower contact at 65-70 degrees to core axis.															
		123.40 124.40 Trace pyrite.															
		124.40 125.40 Trace pyrite.															
		125.40 126.40 Trace pyrite.															
		126.40 127.20 Trace to 0.5% pyrite blebs.															
		127.20 127.80 Up to 1.5% pyrite stringers and blebs.															
		127.80 128.80 Up to 1% very fine grained pyrite disseminated through unit and along fractures.															
128.80	173.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Fine grained, medium to dark grey, moderately to patchy magnetism, medium to soft hardness (quite soft and fissile in places), ~75-80% olivine, mesocumulate peridotite, homogeneous, massive.	146706	128.80	129.80	1.00	6										
			146707	148.00	149.00	1.00	<5										
			146708	149.00	149.00	.00	388										
			146709	149.00	150.00	1.00	33										
		Moderate serpentine alteration, moderate to strong carbonate alteration, moderate to weak ankerite alteration (stains blue on white-grey veined core).	146710	150.00	151.00	1.00	<5										
		Good RQD of ~80-85% with minor broken core sections.															
		Fracturing abundant at 70 degrees to core axis with minor calcite filling some fractures, but also at various angles to core axis.															
		5-10% Calcite veins/disseminations, up to 4cm thick and various angles to core axis, one more obvious trend is 40 degrees to core axis. Strong reaction to HCl in many places.															
		Trace finely disseminated pyrite with few noted blebs of pyrite in calcite veins ~0.5% pyrite, trace pyrrhotite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Unit is heavily fractured with very few sections actually hard, most of the unit is easily broken in hand with little force, fractured surfaces are light green and clayey/soft. The abundance of calcite veining gives the unit the appearance of pseudobrecciation in many places. No spinifex was observed, possibly because it may have been too faint to see or it just wasn't there at all.															
		131.50 10-20cm long sheared section, broken up fissile core in a clayey matrix of fault gouge, possible small scale fault, shearing appears to be at 75-80 degrees to core axis.															
		149.20 Some thicker calcite veins have silvery mineral, possibly galena and possible pyrrhotite, particularly at 149.2m.															
		128.80 129.80 Bracket sample, 0.5% pyrite along fractures, trace pyrite disseminated throughout.															
		148.00 149.00 Bracket sample, trace pyrite.															
		149.00 Standard pm 404.															
		149.00 150.00 Trace pyrite, heavily carbonate veined, weak ankerite alteration.															
		150.00 151.00 Bracket sample.															
173.00		END OF HOLE															

Date: 18 Aug, 2010 | GOLDEN CHALICE RESOURCES | Page: 1 of 5

Northing: 421116.00
Easting: 5334631.00
Elevation: 351.00

Collar Azi.: 360.0
Collar Dip: -45.0

Hole length: 176.00
Units: Metric
Core size: NQ
Grid: Metric 2007

Materials left: Casing
Collar survey: Handheld GPS
DH Survey method: Reflex

Comments: N/A
Logged by: J. Craig
Date(s) logged: May 19,20,21, 2010
Purpose: N/A
Core storage: Hastings Facility Timmins

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
17	.6	-43.4
68	1.2	-43.0
119	3.4	-43.3
176	4.1	-43.6

Drill Hole: TW-10-07

Project: Timmins West
Property: Pen-Horwood
Claim: 4207036
Northing: 130N
Easting: L1200E
GPS Northing: 5334631
GPS Easting: 421116
Date Started: May 17, 2010
Date completed: May 19, 2010
Drilled by: Bradley Bros
Sample type: Cut Core
Analyses: PM 30g FA, BM AA
Lab: Expert
Sample series: 146667-698
Lab report: 85 TW-07-TW-08

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	7.00	OVERBURDEN															
		7m Of casing.															
7.00	99.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Fine grained, dark-grey to black, hard, moderately	146667	76.50	77.50	1.00	<5										
		to strongly magnetic, massive, homogeneous, likely	146668	77.50	78.20	.70	<5										
		peridotite (~80% olivine), few short intervals of	146669	78.20	79.20	1.00	<5										
		spinifex texture.	146670	79.20	80.20	1.00	<5										
		Moderate serpentine alteration, weak-moderate	146671	80.20	81.00	.80	<5										
		carbonate alteration, weak patchy talc alteration.	146672	81.00	81.80	.80	7										
		Variable RQD with several broken up sections, ~65%.	146673	81.80	82.60	.80	7										
		Fracturing generally at 65-70 degrees to core axis,	146674	82.60	83.60	1.00	8										
		with minor calcite filling fractures.	146675	83.60	84.60	1.00	8										
		1-3% Hair-like calcite stringers at 40-50 degrees	146676	84.60	84.60	.00	<5										
		to core axis, cross-cutting at 30 degrees to core	146677	84.60	85.60	1.00	<5										
		axis, up to 1% 2-4cm thick white calcite veins at	146678	85.60	86.30	.70	<5										
		40 degrees to core axis.	146679	86.30	87.30	1.00	<5										
		Trace to 0.5% finely disseminated pyrite, trace	146680	87.30	88.30	1.00	<5										
		chalcopyrite.	146681	88.30	89.30	1.00	<5										
		13.50 16.60 Broken core section, RQD of 60%.	146682	89.30	90.10	.80	<5										
		26.50 27.20 Broken core section, RQD of 65%.	146683	90.10	91.10	1.00	<5										
		52.00 53.00 Broken core section, RQD of 40%.	146684	94.60	95.60	1.00	<5										
		56.00 58.00 Broken core section, RQD of 25%.	146685	95.60	96.60	1.00	<5										
		59.90 60.10 Weak spinifex texture, random spinifex	146686	96.60	96.60	.00	376										
		with weak platy spinifex.	146687	96.60	97.60	1.00	<5										

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
62.40	65.00	Weak spinifex texture, poorly developed platy textured spinifex.	146688	97.60	98.60	1.00	<5										
			146689	98.60	99.10	.50	<5										
77.50	78.20	Mafic dyke at 60 degrees to core axis, purplish-grey, magnetic, 1% blebby pyrite with weak shear sense of 70 degrees to core axis, fine grained matrix, 1% biotite disseminations.															
79.20	82.60	Purplish-grey mafic biotite dyke at 65-70 degrees to core axis, magnetic, with 5% black anhedral biotite disseminations, ~0.5% finely disseminated pyrite, hard.															
84.60	85.30	Three 5cm sections of clayey fault gouge in blocky core.															
86.30	90.10	Grey-green chloritic dyke at 70 degrees to core axis contact, moderately magnetic, with black chlorite disseminations, medium grained, hard, 0.5% pyrite, silicified and pink-orange potassic alteration in a quartz+carbonate vein.															
95.60	99.10	Purplish-grey mafic biotite dyke with irregular contact ~65 degrees to core axis, moderately magnetic, with 5% black anhedral biotite disseminations, 1-2% coarse pyrite, up to 1cm sized crystals.															
Sharp contact out of a biotite dyke in broken core.																	
76.50	77.50	Bracket sample.															
77.50	78.20	~1% blebby pyrite.															
78.20	79.20	Trace to 0.5% pyrite.															
79.20	80.20	~0.5% finely disseminated pyrite.															
80.20	81.00	~0.5% finely disseminated pyrite.															
81.00	81.80	~0.5% finely disseminated pyrite.															
81.80	82.60	~0.5% finely disseminated pyrite.															
82.60	83.60	Trace pyrite.															
83.60	84.60	Trace pyrite.															
84.60		Blank.															
84.60	85.60	Trace pyrite.															
85.60	86.30	Trace to 0.5% pyrite.															
86.30	87.30	~0.5% finely disseminated pyrite.															
87.30	88.30	~0.5% finely disseminated pyrite.															
88.30	89.30	~0.5% finely disseminated pyrite.															
89.30	90.10	~0.5% finely disseminated pyrite.															
90.10	91.10	Bracket sample.															
94.60	95.60	Bracket sample.															
95.60	96.60	1-2% coarse grained pyrite.															
96.60		Standard pm 404.															
96.60	97.60	1-2% coarse grained pyrite.															
97.60	98.60	1-2% coarse grained pyrite.															
98.60	99.10	1-2% coarse grained pyrite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
99.10	148.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark to medium grey to grey-green, fine grained mesocumlate peridotite (~70% olivine), hard, moderately magnetic, massive, homogeneous, with short spinifex flow top sections. Moderate serpentine alteration, weak carbonate alteration. Good RQD of 85-90%. Weak fracturing at 60 degrees to core axis with minor calcite filling few fractures. 1-2% Calcite stringers at 50 degrees to core axis. ~0.5-1% fine grained pyrite, mainly associated with calcite stringers. 100.80 101.00 Coarse grained pyrite along fracture. 101.80 10-20cm sheared mafic dyke at 50 degrees to core axis. 124.50 125.75 Spinifex textured peridotite, random and chicken scratch texture with sequences of platy texture, olivine blades from 0.5cm to 1.5cm long. 127.00 Broken core section for 40-50cm with an RQD of ~10%. 142.40 142.60 Spinifex textured peridotite, random texture with olivine blades on the order of 1-2cm long. Broken lower contact. 99.10 100.10 Bracket sample.	146690	99.10	100.10	1.00	<5								
148.90	152.00	FAULT ZONE															
		Fault zone in fine grained, dark grey, mesocumulate komatiitic peridotite, soft, non-magnetic to weakly magnetic. Serpentine alteration, carbonate alteration (fault gouge fizzes with hcl). Relatively decent RQD of ~60-65%, fractured due to faulting. No obvious shear/displacement trend, but looks to be approximately 75-80 degrees to core axis. Trace to 0.5% pyrite along fracture planes. 80cm Or more of broken up green-grey clayey fault gouge. Fault zone ends with broken up core section for 10cm, lower contact within broken core.															
152.00	167.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Fine grained, dark-grey to black, hard, weakly magnetic, massive, homogeneous, adcumulate peridotite (~80% olivine). Moderate serpentine alteration, weak carbonate alteration but strong in one segment, weak patchy	146691	157.60	158.60	1.00	<5								
			146692	158.60	158.90	.30	<5								
			146693	158.90	159.90	1.00	<5								
			146694	166.60	167.60	1.00	<5								

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		talc alteration.															
		Decent RQD of 70-75% with several broken up sections of core.															
		Fracturing at 50, 60 and 80 degrees to core axis.															
		2-3% Calcite stringers at 65-70 degrees to core axis															
		~0.5% fine grained pyrite mainly local to carbonate stringers and fracture planes, trace pyrrhotite.															
		154.20 155.40 Darker grey to grey-brown, medium grained, carbonaceous peridotite, possibly a dyke, sharp contacts at 45-50 tca. Strong fizz with HCl and 3-4cm thick carbonate fragment/vein.															
		158.60 158.90 Coarse grained, grey, hard, siliceous, felsic dyke at 45 degrees to core axis with quartz and 2% fine gained pinkish coloured disseminations and thin hair-like chlorite stringers.															
		166.80 1-2% fine grained, beige-buff, 1mm sized leucoxene disseminations appear in matrix.															
		167.40 Thin 5cm thick section of clayey fault gouge.															
		Lower contact in 10cm broken core section.															
		157.60 158.60 Bracket sample.															
		158.60 158.90 Felsic dyke, trace pyrite.															
		158.90 159.90 Bracket sample.															
		166.60 167.60 Bracket sample.															
167.60	169.80	FELDSPAR PORPHYRY															
		Grey, fine grained matrix, hard, siliceous, porphyritic plagioclase phenocrysts.	146695	167.60	168.60	1.00	<5										
			146696	168.60	168.60	.00	<5										
		Silicified.	146697	168.60	169.80	1.20	<5										
		Decent RQD of 65-70%.															
		Weak fracturing, generally at 70 degrees to core axis.															
		No visible sulphides.															
		20-25% White subhedral 2mm sized plagioclase phenocrysts.															
		167.90 Aqua-blue, platy, micaceous/vitreous looking vein at 20 degrees to core axis with possible sericite alteration (dull yellow disseminations).															
		168.60 20-30cm section of dark grey, fine grained peridotite, with sharp contacts at 75-80 degrees to core axis															
		Sharp lower contact at 75-80 degrees to core axis.															
		167.60 168.60 Feldspar porphyry, no visible sulphides.															
		168.60 Blank.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		168.60 169.80 Feldspar porphyry, no visible sulphides.															
169.80	176.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Fine grained, dark-grey to black, hard, non-magnetic, massive, homogeneous, adcumulate peridotite (~80% olivine). Moderate serpentine alteration, weak carbonate alteration but strong in one segment, weak patchy talc alteration. Decent RQD of 75-80%. Moderate fracturing at various angles, commonly 60-65 degrees to core axis with minor calcite or serpentine filling fractures. 2-5% Thin calcite stringers at 60-65 degrees to core axis, a few light green serpentine stringers at 60 degrees to core axis. Trace fine grained pyrite.	146698	169.80	170.80	1.00	<5									
		169.80 172.60 Broken/blocky core section, RQD of ~45%.															
		169.80 170.80 Bracket sample.															
176.00		END OF HOLE															

Date: 17 Aug, 2010 | GOLDEN CHALICE RESOURCES | Page: 1 of 10

Northing:	5334510.00	Drill Hole:	TW-10-06
Easting:	421999.00		
Elevation:	355.00	Project:	Timmins West
		Property:	Horwood
Collar Azi.:	360.0	Claim:	4207036
Collar Dip:	-45.0	Northing:	25N
		Easting:	L2100E
Hole length:	176.00	GPS Northing:	5334510
Units:	Metric	GPS Easting:	421999
Core size:	NQ	Date Started:	May 11, 2010
Grid:	Metric 2007	Date completed:	May 14, 2010
		Drilled by:	Bradley Bros
Materials left:	Casing	Sample type:	Cut Core
Collar survey:	Handheld GPS	Analyses:	PM 30g FA, BM AA
DH Survey method:	Reflex	Lab:	Expert
		Sample series:	146525-666
Comments:	N/A	Lab report:	102151,152,153
Logged by:	J. Craig		
Date(s) logged:	May 12-14, 2010		
Purpose:	N/A		
Core storage:	Hastings Facility Timmins		

DRILL HOLE RECORD

*** Dip Tests ***

Depth	Azi.	Dip
26	355.6	-45.1
77	.5	-44.6
128	358.2	-44.4
176	1.4	-44.2

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
.00	13.50	OVERBURDEN															
		13.5m Casing.															
13.50	55.90	MAFIC V0LCANIC (UNDIFFERENTIATED)															
		Fine grained, hard, dark grey to black to	146525	13.50	14.20	.70	<10										
		grey-green, heavily altered mafic volcanics,	146526	14.20	14.90	.70	<10										
		massive, bleaching alteration associated with	146527	14.90	15.90	1.00	<10										
		pyrite, variable magnetics from strong to moderate	146528	15.90	16.90	1.00	<10										
		to weak. Likely an altered basalt.	146529	16.90	17.90	1.00	<10										
		Weak chlorite alteration, moderate pervasive	146530	17.90	18.90	1.00	<10										
		ankerite alteration (stains blue), patchy	146531	18.90	19.90	1.00	<10										
		brown-buff bleaching (could be sericite+ankerite),	146532	19.90	20.90	1.00	<10										
		weak carbonate alteration, minor silicification,	146533	20.90	21.90	1.00	<10										
		minor pinkish weak potassic alteration,	146534	21.90	21.90	.00	2000										
		weak-moderate epidote alteration, weak sericite	146535	21.90	22.80	.90	<10										
		alteration. Alteration heightened where veining	146536	22.80	23.60	.80	<10										
		increased.	146537	23.60	24.60	1.00	<10										
		Good RQD of 85%.	146538	24.60	25.60	1.00	<10										
		Weak fracturing at 50 degrees to core axis with	146539	25.60	26.60	1.00	<10										
		minor carbonate filling fractures.	146540	26.60	27.60	1.00	<10										
		~5% quartz+/-carbonate veining at ~65-70 degrees to	146541	27.60	28.20	.60	<10										
		core axis and cross-cutting at 40 degrees to core	146542	28.20	29.20	1.00	<10										
		axis, up to 1% hair-like iron-carbonate stringers	146543	35.90	36.90	1.00	<10										
		at 65 degrees to core axis, carbonate veins have	146544	36.90	36.90	.00	<10										
		variable thickness from hair-like to 3-4cm thick	146545	36.90	37.70	.80	<10										

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		pink calcite veins, some veins have bleached	146546	37.70	38.50	.80	<10										
		buff-brown halos or are associated with bleaching.	146547	38.50	39.50	1.00	10										
		0.5-1% Fine grained disseminated pyrite, ~1-2%	146548	39.50	40.50	1.00	10										
		mainly in bleached buff/variably altered sections.	146549	40.50	41.50	1.00	<10										
		Weakly to moderately sheared in some sections	146550	41.50	42.30	.80	20										
		namely bleached buff to grey-green variably altered	146551	42.30	42.90	.60	<10										
		sections, sheared at ~50-60 degrees to core axis.	146552	42.90	43.90	1.00	<10										
		Cross-cutting microfractures at various angles and	146553	43.90	44.90	1.00	<10										
		ptygmatic folding of veins.	146554	44.90	44.90	.00	270										
		13.50 14.90 Sheared grey-green with rusty iron	146555	54.90	55.90	1.00	<10										
		carbonate at 50-60 degrees to core															
		axis, iron-carbonate altered mafic dyke?															
		14.40 Iron-carbonate rusty veining at 60-70															
		degrees to core axis over 40cm.															
		Dark grey to black mafic volcanics are generally															
		more magnetic than the lighter, more altered															
		sections.															
		18.90 23.60 Medium grey to grey-green, fine grained															
		section with moderate shearing at 55															
		degrees to core axis, epidote															
		alteration, minor bleaching and buff															
		epidote alteration halos around															
		carbonate veins.															
		22.10 22.30 RQD of 10%, broken core section.															
		36.90 37.70 Grey-green epidote+red aplite altered															
		section.															
		37.70 38.50 Deep red-maroon coloured alteration,															
		fine grained, possibly red aplite.															
		38.50 43.90 Grey-green, fine grained, variably															
		altered section to red aplite, epidote,															
		and sericite bleaching alteration with															
		milky white folded/deformed stringers.															
		39.70 40.50 Bleached section with sericite															
		alteration, shearing at 50-60 degrees															
		to core axis and 1-2% fine grained															
		pyrite along shear.															
		41.80 42.10 RQD of 25%, broken core section.															
		Sharp lower contact in fractured core at 50 degrees															
		to core axis.															
		13.50 14.20 No sulphides, iron-carbonate alteration.															
		14.20 14.90 No sulphides, iron-carbonate alteration.															
		14.90 15.90 Trace pyrite.															
		15.90 16.90 Trace pyrite.															
		16.90 17.90 Trace pyrite, with areas of epidote															
		altered carbonate veins.															
		17.90 18.90 Trace pyrite.															
		18.90 19.90 Trace pyrite in potassic and epidote															
		altered section.															
		19.90 20.90 Trace to 0.5% pyrite in potassic															
		altered section.															
		20.90 21.90 Trace to 0.5% pyrite in potassic and															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		chlorite altered section.															
		21.90 Standard pm 417.															
		21.90 22.80 Trace to 0.5% pyrite in potassic altered section.															
		22.80 23.60 Trace to up to 0.5% pyrite in potassic altered section.															
		23.60 24.60 Trace pyrite.															
		24.60 25.60 0.5% pyrite in quartz+carbonate veined and ankerite altered section.															
		25.60 26.60 0.5% pyrite in quartz+carbonate veined and ankerite altered section.															
		26.60 27.60 0.5% pyrite in quartz+carbonate veined and weak potassic and ankerite altered section.															
		27.60 28.20 0.5-1% pyrite in quartz vein.															
		28.20 29.20 Trace pyrite.															
		35.90 36.90 Trace pyrite in dark grey magnetic section.															
		36.90 Blank.															
		36.90 37.70 Trace pyrite in fine grained epidote+potassic altered section.															
		37.70 38.50 Trace pyrite.															
		38.50 39.50 Trace pyrite in epidote+potassic altered section.															
		39.50 40.50 2% fine grained pyrite in bleached and sheared section.															
		40.50 41.50 0.5% fine grained pyrite in variably altered section.															
		41.50 42.30 1-2% fine grained pyrite in bleached section.															
		42.30 42.90 0.5% fine grained pyrite in sheared section.															
		42.90 43.90 Trace pyrite.															
		43.90 44.90 0.5-1% fine grained pyrite along shear.															
		44.90 Standard pm 402.															
		54.90 55.90 Trace to 0.5% pyrite.															
55.90	57.50	FELDSPAR PORPHYRY															
		Fine grained matrix, green-grey to brownish in colour, very hard, non-magnetic, felsic intrusive, feldspar porphyry with ~1-1.5mm euhedral-subhedral altered plagioclase phenocrysts. Silicification, minor epidote alteration. RQD of 90% with weak fracturing at 55 degrees to core axis. Up to 1% thin hair-like carbonate veins at 55-60 degrees to core axis, and a thin quartz vein at 5-10 degrees to core axis, few hair-like chlorite stringers at 60 degrees to core axis. No visible sulphides. 8-10% Altered greyish-buff plagioclase phenocrysts.	146556	55.90	56.70	.80	<10								
			146557	56.70	57.50	.80	<10										

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		Sharp lower contact at 35-40 degrees to core axis.															
57.50	115.00	MAFIC V0LCANIC (UNDIFFERENTIATED)															
		Fine grained, hard, dark grey to black to	146558	57.50	58.50	1.00	10										
		grey-green, altered mafic volcanics, massive,	146559	58.50	59.20	.70	10										
		bleaching alteration associated with pyrite,	146560	59.20	59.95	.75	<10										
		variable magnetics from strong to moderate to weak.	146561	59.95	60.50	.55	30										
		Likely an altered basalt.	146562	60.50	61.50	1.00	<10										
		Weak somewhat pervasive ankerite alteration (stains	146563	61.50	62.50	1.00	<10										
		blue), patchy brown-buff bleaching (could be	146564	62.50	62.50	.00	<10										
		sericite+ankerite), weak carbonate alteration,	146565	62.50	63.50	1.00	<10										
		minor silicification, minor reddish pink aplite	146566	63.50	64.50	1.00	<10										
		alteration, weak-poor hematite alteration,	146567	64.50	65.50	1.00	<10										
		weak-moderate epidote alteration, weak sericite	146568	65.50	66.50	1.00	<10										
		alteration. Alteration heightened where veining	146569	66.50	67.50	1.00	<10										
		increased.	146570	67.50	68.50	1.00	<10										
		Good RQD of 90%, weak fracturing.	146571	68.50	69.00	.50	10										
		Veining predominantly consists of	146572	69.00	70.00	1.00	<10										
		quartz+/-carbonate veins at 60-70 degrees to core	146573	72.00	73.00	1.00	<10										
		axis and epidote altered veins at 60 degrees to	146574	73.00	73.00	.00	9880										
		core axis, some red hematite filled veins. Veins	146575	73.00	74.00	1.00	<10										
		are generally along a shear sense of 60 degrees to	146576	74.00	75.00	1.00	<10										
		core axis, but many are folded and deformed.	146577	75.00	75.90	.90	<10										
		Sulphides consist of finely disseminated pyrite,	146578	75.90	76.40	.50	20										
		trace to 0.5%, associated with epidote and sericite	146579	76.40	77.40	1.00	10										
		alteration mainly.	146580	77.40	78.40	1.00	<10										
		Micro-faults/fractures secondary structures at ~65	146581	78.40	78.70	.30	10										
		degrees to core axis clearly visible by offsetting	146582	78.70	79.70	1.00	10										
		veins.	146583	79.70	80.70	1.00	20										
	59.95 60.50	Feldspar porphyry dyke, very hard,	146584	80.70	80.70	.00	10										
		brownish, non-magnetic, felsic	146585	80.70	81.70	1.00	10										
		intrusive, sharp contact at 45 degrees	146586	84.50	85.50	1.00	10										
		to core axis.	146587	85.50	86.50	1.00	10										
	78.40	20-30cm long white quartz vein at 60	146588	86.50	87.50	1.00	<10										
		degrees to core axis with 5% sheared	146589	87.50	88.50	1.00	<10										
		mafic epidote altered angular fragments.	146590	88.50	89.50	1.00	<10										
	78.40 80.40	Sheared, buffish orange epidote	146591	89.50	90.50	1.00	<10										
		alteration in grey-green volcanics	146592	104.20	105.20	1.00	<10										
		section with fine grained pyrite and a	146593	105.20	105.80	.60	<10										
		brecciated texture.	146594	105.80	105.80	.00	2020										
	85.50 89.70	Sheared, buffish orange epidote	146595	105.80	106.80	1.00	<10										
		alteration in grey-green volcanics	146596	106.80	107.80	1.00	<10										
		section with fine grained pyrite.	146597	107.80	108.80	1.00	20										
	87.50 88.30	Brecciated lensitic of quartz,	146598	108.80	109.80	1.00	<10										
		grey-green mafic volcanics and epidote	146599	109.80	110.80	1.00	<10										
		altered fragments at 40 degrees to core	146600	110.80	111.80	1.00	<10										
		axis.	146601	111.80	112.80	1.00	<10										
	105.20 105.80	Hard, siliceous, grey, porphyritic	146602	112.80	113.80	1.00	<10										
		dyke at 50-60 degrees to core axis.	146603	113.80	115.00	1.20	<10										
	107.00 113.00	Bright yellow to buff,															
		bleached/sericite altered and epidote															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		altered sequence, appears as bands of sericite alteration and darker grey unaltered bands of variable thickness, sheared/foliated at 70-80 degrees to core axis and folded, mineralized with ~1% fine grained pyrite, moderate ankerite alteration.															
		108.90 Isoclinal folding, folded axis approximately 70 degrees to core axis.															
		Sharp lower contact at 55-60 degrees to core axis.															
		57.50 58.50 Trace pyrite.															
		58.50 59.20 Trace to 0.5% pyrite.															
		59.20 59.95 Trace to 0.5% finely disseminated pyrite															
		59.95 60.50 No visible sulphides.															
		60.50 61.50 Up to 0.5% pyrite.															
		61.50 62.50 Trace pyrite in epidote altered section.															
		62.50 Blank.															
		62.50 63.50 Trace pyrite in epidote alteration.															
		63.50 64.50 Trace pyrite.															
		64.50 65.50 Trace pyrite.															
		65.50 66.50 Trace pyrite in epidote and hematite altered section.															
		66.50 67.50 Trace to 0.5% pyrite.															
		67.50 68.50 Trace to 0.5% pyrite in hematite altered section.															
		68.50 69.00 Trace pyrite in bleached sericite and epidote altered section.															
		69.00 70.00 Trace pyrite, bracket sample.															
		72.00 73.00 Trace to 0.5% pyrite, bracket sample.															
		73.00 Standard pm 908.															
		73.00 74.00 1-2% fine grained pyrite filling in carbonate vein.															
		74.00 75.00 Trace to 0.5% pyrite.															
		75.00 75.90 Trace to 0.5% pyrite.															
		75.90 76.40 0.5 to 1% fine grained pyrite.															
		76.40 77.40 Trace pyrite.															
		77.40 78.40 Up to 1% fine grained pyrite.															
		78.40 78.70 Trace pyrite in quartz vein.															
		78.70 79.70 0.5-1% fine grained pyrite in sheared epidote altered section.															
		79.70 80.70 1-2% fine grained pyrite.															
		80.70 Blank.															
		80.70 81.70 Trace pyrite, bracket sample.															
		84.50 85.50 0.5% fine grained pyrite.															
		85.50 86.50 0.5% fine grained pyrite in epidote alteration.															
		86.50 87.50 0.5% fine grained pyrite in epidote alteration.															
		87.50 88.50 Trace pyrite in brecciated, silicified altered section.															
		88.50 89.50 Trace pyrite in altered section.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		89.50 90.50 Trace pyrite, bracket sample.															
		104.20 105.20 Trace to 0.5% pyrite, bracket sample.															
		105.20 105.80 No visible sulphides.															
		105.80 Standard pm 417.															
		105.80 106.80 0.5% finely disseminated pyrite in sheared/silicified/epidote altered section.															
		106.80 107.80 0.5-1% sheared/banded epidote altered section.															
		107.80 108.80 0.5-1% sheared/banded epidote altered section.															
		108.80 109.80 ~1% fine grained pyrite in sheared/folded sericite altered section.															
		109.80 110.80 Trace pyrite in altered section.															
		110.80 111.80 Trace pyrite in altered section.															
		111.80 112.80 Trace to 0.5% pyrite.															
		112.80 113.80 0.5-1% fine grained pyrite in ankerite altered section.															
		113.80 115.00 ~1% fine grained pyrite along thin carbonate stringers.															
115.00	117.50	FELDSPAR PORPHYRY															
		Very hard, siliceous, grey, porphyritic dyke, likely a feldspar porphyry (similar to porphyrys in the area, less altered).	146604	115.00	115.00	.00	<10										
			146605	115.00	116.00	1.00	<10										
			146606	116.00	116.70	.70	<10										
		Pevasive siliceous alteration.	146607	116.70	117.50	.80	<10										
		Good RQD of 90%, weak fracturing.															
		1-2% Thin hair-like calcite stringers at 45-50 degrees to core axis and crosscutting at 70 degrees to core axis.															
		No visible sulphides.															
		115.80 116.30 Fine grained, grey, mafic dyke at 50 degrees to core axis.															
		Sharp lower contact at 45 degrees to core axis.															
		115.00 Blank.															
		115.00 116.00 No visible sulphides.															
		116.00 116.70 No visible sulphides.															
		116.70 117.50 No visible sulphides.															
117.50	144.40	MAFIC V0LCANIC (UNDIFFERENTIATED)															
		Fine grained, hard, dark grey to black to grey-green, altered mafic volcanics with variable bands of bleached sericite and epidote alteration, bleaching alteration often associated with pyrite, variable magnetics. Likely an altered basalt.	146608	117.50	118.50	1.00	<10										
			146609	118.50	119.50	1.00	<10										
			146610	119.50	120.50	1.00	<10										
			146611	120.50	121.50	1.00	<10										
			146612	121.50	122.50	1.00	<10										
		Weak to moderate patchy ankerite alteration (stains blue), patchy brown-buff bleaching (could be sericite+ankerite), weak carbonate alteration, minor silicification, weak-moderate epidote alteration, weak sericite alteration.	146613	122.50	123.50	1.00	<10										
			146614	123.50	123.50	.00	260										
			146615	123.50	124.50	1.00	30										
			146616	124.50	125.50	1.00	<10										
			146617	135.00	136.00	1.00	<10										

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		Good RQD of 90%, weak fracturing.	146618	136.00	137.00	1.00	<10										
		Veining predominantly consists of	146619	137.00	138.00	1.00	<10										
		quartz+/-carbonate veins at 60-70 degrees to core	146620	138.00	139.00	1.00	<10										
		axis and epidote altered veins at 60 degrees to	146621	139.00	140.00	1.00	<10										
		core axis. Veins are generally along a shear sense	146622	140.00	141.00	1.00	<10										
		of 60 degrees to core axis, but many are folded and	146623	141.00	141.90	.90	<10										
		deformed.	146624	141.90	141.90	.00	<10										
		Sulphides consist of finely disseminated pyrite,	146625	141.90	142.40	.50	<10										
		trace to 0.5%, associated with epidote and sericite	146626	142.40	143.40	1.00	<10										
		alteration mainly.	146627	143.40	144.40	1.00	<10										
		36 Up to 1% fine grained disseminated and stringer															
		pyrite seen around 36m for ~5m.															
		Deep red-maroon coloured alteration, fine grained,															
		likely hematite altered.															
		Sharp lower contact at 50 degrees to core axis.															
		117.50 118.50 Trace pyrite.															
		118.50 119.50 Trace pyrite in epidote altered section.															
		119.50 120.50 Trace pyrite in epidote altered section.															
		120.50 121.50 Trace pyrite in bleached section.															
		121.50 122.50 0.5% fine grained pyrite in bleached section.															
		122.50 123.50 0.5% fine grained pyrite in bleached section.															
		123.50 Standard pm 402.															
		123.50 124.50 Trace pyrite in bleached section.															
		124.50 125.50 Trace pyrite, bracket sample.															
		135.00 136.00 0.5-1% fine grained pyrite, in variable alteration.															
		136.00 137.00 0.5-1% fine grained pyrite in stringers and disseminations in variably epidote altered section.															
		137.00 138.00 0.5-1% fine grained pyrite in stringers and disseminations in variably epidote altered section.															
		138.00 139.00 1% fine grained pyrite in stringers and disseminations in variably epidote altered section.															
		139.00 140.00 0.5-1% fine grained pyrite in stringers and disseminations in variably epidote altered section.															
		140.00 141.00 0.5-1% fine grained pyrite in stringers and disseminations in variably epidote altered section.															
		141.00 141.90 0.5-1% fine grained pyrite in stringers and disseminations in variably epidote altered section.															
		141.90 Blank.															
		141.90 142.40 Trace pyrite, hematite altered section															
		142.40 143.40 0.5-1% fine grained pyrite in															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		stringers and disseminations in variably epidote altered section.															
		143.40 144.40 0.5-1% fine grained pyrite in stringers and disseminations in variably epidote altered section.															
144.40	163.30	FELDSPAR PORPHYRY															
		Very hard, siliceous, grey, likely a dyke of	146628	144.40	145.20	.80	<10										
		feldspar porphyry (similar to porphyrys in the	146629	145.20	145.70	.50	<10										
		area, less altered), non-magnetic, 2% fine grained	146630	145.70	146.20	.50	<10										
		up to 1mm in size pale yellow sericite	146631	146.20	146.70	.50	<10										
		disseminations in porphyry matrix.	146632	146.70	147.40	.70	<10										
		Pevasive siliceous alteration, minor epidote	146633	147.40	148.40	1.00	<10										
		alteration.	146634	148.40	148.40	.00	9500										
		Good RQD of 90%, weak fracturing.	146635	148.40	149.40	1.00	10										
		2% Calcite stringers, mostly thin hair-like at	146636	149.40	150.40	1.00	<10										
		45-60 degrees to core axis, few 1-2cm pink calcite	146637	150.40	151.40	1.00	<10										
		veins at 40 degrees to core axis, with few	146638	151.40	152.40	1.00	<10										
		quartz+/-carbonate veins at 70 degrees to core axis.	146639	152.40	153.40	1.00	<10										
		Generally ~0.5% fine grained pyrite, up to 2%	146640	153.40	154.40	1.00	<10										
		pyrite near small dyke.	146641	154.40	155.40	1.00	<10										
		145.20 147.40 Buff-orange bleached siliceous	146642	155.40	156.40	1.00	<10										
		segment appearing as an altered	146643	156.40	157.40	1.00	<10										
		quartz+carbonate+epidote vein system.	146644	157.40	157.40	.00	<10										
		148.20 10cm grey segment (possibly a dyke)	146645	157.40	158.40	1.00	<10										
		with moderate shearing at 60-70	146646	158.40	159.40	1.00	<10										
		degrees to core axis.	146647	159.40	160.40	1.00	<10										
		161.40 10-15cm long grey, fine grained,	146648	160.40	161.40	1.00	<10										
		hard, siliceous, sheared mafic dyke?,	146649	161.40	162.40	1.00	<10										
		sheared at 70 degrees to core axis,	146650	162.40	163.30	.90	<10										
		with contact at 70 degrees to core															
		axis and up to 2% pyrite at lower															
		contact area.															
		Sharp lower contact at ~75-80 degrees to core axis.															
		144.40 145.20 Trace sulphides, in porphyry.															
		145.20 145.70 Trace sulphides in bleached siliceous															
		and quartz veined section.															
		145.70 146.20 Trace sulphides in bleached siliceous															
		and quartz veined section.															
		146.20 146.70 Trace sulphides in bleached siliceous															
		and quartz veined section.															
		146.70 147.40 Trace sulphides in bleached siliceous															
		and quartz veined section.															
		147.40 148.40 0.5% fine grained pyrite in porphyry.															
		148.40 Standard pm 908.															
		148.40 149.40 Trace to 0.5% fine grained pyrite															
		disseminated in porphyry.															
		149.40 150.40 Trace to 0.5% fine grained pyrite															
		disseminated in porphyry.															
		150.40 151.40 Trace to 0.5% fine grained pyrite															
		disseminated in porphyry.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		151.40 152.40 Trace to 0.5% fine grained pyrite disseminated in porphyry.															
		152.40 153.40 Trace to 0.5% fine grained pyrite disseminated in porphyry.															
		153.40 154.40 Trace to 0.5% fine grained pyrite disseminated in porphyry.															
		154.40 155.40 Trace to 0.5% fine grained pyrite disseminated in porphyry.															
		155.40 156.40 Trace to 0.5% fine grained pyrite disseminated in porphyry.															
		156.40 157.40 Trace to 0.5% fine grained pyrite disseminated in porphyry.															
		157.40 Blank.															
		157.40 158.40 Trace to 0.5% fine grained pyrite disseminated in porphyry.															
		158.40 159.40 Trace to 0.5% fine grained pyrite disseminated in porphyry.															
		159.40 160.40 Trace to 0.5% fine grained pyrite disseminated in porphyry.															
		160.40 161.40 Trace to 0.5% fine grained pyrite disseminated in porphyry.															
		161.40 162.40 1-2% pyrite as up to 2cm long blebs.															
		162.40 163.30 Trace pyrite.															
163.30	176.00	MAFIC V0LCANIC (UNDIFFERENTIATED)															
		Fine grained, hard, dark grey to medium grey to reddish where hematite altered, altered mafic volcanics. Heavily quartz+ankerite veined at chaotic angles. Weak pervasive bleaching from ankerite alteration and veining. Non-magnetic. Likely an altered basalt. Moderate to strong pervasive ankerite alteration (stains blue), weak bleaching (due to ankerite), moderate silicification, weak epidote alteration, patchy red alteration. Good RQD of 90%, weak fracturing. Veining predominantly consists of 10-15% deformed white and grey quartz+/-ankerite veins at various degrees to core axis. Sulphides consist of finely disseminated pyrite, trace to 0.5%, associated with epidote and sericite alteration mainly.	146651	163.30	164.30	1.00	<10								
			146652	164.30	165.00	.70	<10										
			146653	165.00	166.00	1.00	10										
			146654	166.00	166.00	.00	260										
			146655	166.00	166.90	.90	<10										
			146656	166.90	167.50	.60	20										
			146657	167.50	168.20	.70	40										
			146658	168.20	169.00	.80	50										
			146659	169.00	170.00	1.00	20										
			146660	170.00	171.00	1.00	20										
			146661	171.00	172.00	1.00	50										
			146662	172.00	173.00	1.00	50										
			146663	173.00	174.00	1.00	30										
			146664	174.00	174.00	.00	<10										
			146665	174.00	175.00	1.00	30										
			146666	175.00	176.00	1.00	<10										
		168.00 Unit is relatively unaltered until approximately 167.5-168m.															
		166.90 167.50 Very hard, siliceous, reddish to grey, porphyry dyke.															
		169.00 Strong quartz+ankerite veining/alteration begins.															
		163.30 164.30 Trace pyrite.															
		164.30 165.00 Trace pyrite.															
		165.00 166.00 Trace pyrite.															

From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu (%)	Ni (%)
		166.00 Standard pm 402.															
		166.00 166.90 Trace pyrite.															
		166.90 167.50 0.5% pyrite.															
		167.50 168.20 0.5% pyrite.															
		168.20 169.00 Trace to 0.5% pyrite.															
		169.00 170.00 Trace to 0.5% pyrite in quartz+ankerite altered section.															
		170.00 171.00 Trace to 0.5% pyrite in quartz+ankerite altered section.															
		171.00 172.00 Trace to 0.5% pyrite in quartz+ankerite altered section.															
		172.00 173.00 Trace to 0.5% pyrite in quartz+ankerite altered section.															
		173.00 174.00 Trace to 0.5% pyrite in quartz+ankerite altered section.															
		174.00 Blank.															
		174.00 175.00 Trace to 0.5% pyrite in quartz+ankerite altered section.															
		175.00 176.00 Trace to 0.5% pyrite in quartz+ankerite altered section.															
176.00		END OF HOLE															

*** Certificate of analysis ***

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

Date : 2010/06/16

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26808**
Your order number :
Project : **TW**

Total number of samples : **89**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
146262		34	28	5	<5	<5	<5	0.4
146263		114		<5		<5		5.4
146264		444		<5		<5		11.1
146265		220		<5		<5		9.4
146266		93		<5		<5		5.2
146267		98		<5		<5		5.4
146268		108		<5		<5		5.4
146269		109		<5		<5		1.7
146270		62		<5		<5		2.6
146271	1.30	1216		<5		<5		35.3
146272		75		<5		<5		5.7
146273		37		<5		<5		1.7
146274		34	37	<5	<5	<5	<5	2.4
146275		96		<5		<5		7.3
146276		110		<5		<5		2.5
146277		80		<5		<5		1.3
146278		165		5		<5		2.7
146279		169		<5		<5		4.0
146280		90		<5		<5		7.1
146281		<5		<5		<5		0.3

Joe Landers, Manager

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Your order number :

Project : **TW**

Total number of samples : **89**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
146282		97		<5		<5		1.6
146283		98		<5		<5		1.9
146284		29		<5		<5		0.5
146285		166		<5		<5		7.9
146286		14	17	<5	<5	<5	<5	2.6
146287		24		5		<5		3.7
146288		16		<5		<5		1.6
146289		256		<5		<5		17.1
146290		50		<5		<5		9.6
146291	7.50	7298		<5		<5		336.8
146292		40		<5		<5		7.1
146293		21		<5		<5		5.5
146294		12		<5		<5		1.0
146295		12		<5		<5		0.7
146296		13		<5		<5		0.3
146297		8		<5		<5		0.4
146298		16	20	<5	<5	<5	<5	0.7
146299		11		<5		<5		0.4
146300		12		<5		<5		0.4
146301		<5		<5		<5		<0.2

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Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
146302		352		<5		<5		0.3
146303		29		<5		<5		0.8
146304		38		<5		<5		1.0
146305		15		<5		<5		1.0
146306		11		<5		<5		0.6
146307		10		<5		<5		0.5
146308		7		<5		<5		1.0
146309		28		<5		<5		1.7
146310		8	11	<5	<5	<5	<5	0.6
146311	1.20	1142		<5		<5		34.4
146312		29		<5		<5		1.1
146313		9		<5		<5		0.7
146314		5		<5		<5		0.2
146315		71		<5		<5		1.6
146316		8		<5		<5		0.3
146317		5		<5		<5		0.3
146318		20		<5		<5		0.3
146319		51		<5		<5		1.2
146320		27		<5		<5		2.1
146321		<5		<5		<5		<0.2

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Folder : **26808**

Your order number :

Project : **TW**

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Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
146322		37	40	<5	<5	<5	<5	2.7
146323		105		<5		<5		8.3
146324		99		<5		<5		35.2
146325		128		<5		<5		8.1
146326		116		<5		<5		3.6
146327		428		<5		<5		3.2
146328		341		<5		<5		1.4
146329		56		<5		<5		1.7
146330		14		<5		<5		1.5
146331	7.89	7466		<5		<5		338.4
146332		42		<5		<5		4.7
146333		21		<5		<5		1.1
146334		30	24	<5	<5	<5	<5	1.3
146335		18		<5		<5		1.4
146336		67		<5		<5		4.2
146337		32		<5		<5		4.7
146338		43		<5		<5		3.9
146339		22		<5		<5		3.9
146340		8		<5		<5		1.2
146341		<5		<5		<5		<0.2

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Date : 2010/06/16

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26808**
Your order number :
Project : **TW**

Total number of samples : **89**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
146342		25		<5		<5		0.4
146343		21		<5		<5		0.4
146344		16		<5		<5		1.1
146345		18		<5		<5		0.6
146346		35	41	<5	<5	<5	<5	1.8
146347		48		<5		<5		2.9
146348		23		<5		<5		1.8
146349		11		<5		<5		0.5
146350		246		<5		<5		6.1

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Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
146262	0.5	73	81	117	114	54	57	31
146263		810		108		7390		398
146264		1227		42		2902		772
146265		667		42		2824		1068
146266		220		35		2023		483
146267		237		33		2195		233
146268		535		25		1777		42
146269		139		18		184		68
146270		135		27		421		26
146271		---------- >DL		236		---------- >DL		2264
146272		711		38		3300		44
146273		188		24		1115		25
146274	2.4	603	590	24	29	368	400	32
146275		1856		35		2425		27
146276		574		31		130		28
146277		224		27		160		28
146278		569		37		2808		53
146279		281		36		420		119
146280		961		35		1063		142
146281		33		12		29		8

>DL Value greater than detection limit

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26808**

Your order number :

Project : **TW**

Total number of samples : **89**

Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2		Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
146282		141		37		583			70
146283		179		30		546			128
146284		46		83		102			53
146285		552		31		6860			1152
146286	2.5	197	198	29	29	3657		3797	198
146287		189		73		7220			811
146288		112		30		2684			240
146289		612		30		7240			839
146290		198		26		4430			455
146291		394		11		99			182
146292		108		39		2827			728
146293		79		33		----------	>DL		1132
146294		61		38		2074			106
146295		73		54		267			51
146296		57		65		145			36
146297		65		49		64			36
146298	0.5	47	53	42	44	52		55	24
146299		63		72		55			27
146300		66		52		61			27
146301		12		14		8			<2

>DL Value greater than detection limit

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26808**
Your order number :
Project : **TW**

Total number of samples : **89**

Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
146302		49		47		121		25
146303		91		85		1319		54
146304		56		35		107		40
146305		70		30		77		34
146306		61		30		71		33
146307		64		30		56		42
146308		50		28		112		52
146309		62		56		566		304
146310	0.6	58	58	34	31	117	120	80
146311		---------- >DL		236		---------- >DL		2319
146312		66		16		85		32
146313		34		17		57		29
146314		28		16		41		16
146315		40		18		30		43
146316		27		16		41		26
146317		31		20		69		25
146318		38		17		50		21
146319		63		41		1384		42
146320		112		27		372		27
146321		15		13		11		<2

>DL Value greater than detection limit

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26808**
Your order number :
Project : **TW**

Total number of samples : **89**

Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
146322	2.7	111	103	39	39	3775	3653	62
146323		257		48		7030		45
146324		2086		57		9030		35
146325		640		47		671		27
146326		396		58		99		32
146327		541		45		2840		25
146328		318		64		706		33
146329		321		40		91		23
146330		63		57		134		58
146331		383		11		100		189
146332		106		108		594		1539
146333		72		85		493		244
146334	1.3	62	62	109	101	256	230	87
146335		75		66		2474		290
146336		109		97		8350		2229
146337		365		107		8850		1550
146338		293		116		5890		429
146339		208		111		8270		617
146340		98		77		2382		193
146341		12		13		28		3

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Total number of samples : **89**

Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
146342		63		89		1027		72
146343		71		45		732		20
146344		50		71		226		26
146345		60		91		124		27
146346	1.7	104	99	265	251	3245	3167	131
146347		123		330		7170		1944
146348		83		282		5550		687
146349		71		170		2688		58
146350		89		131		2266		123

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Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Cu AAT-8 % 0.010	Zn AAT-8 % 0.010
146262	34	38	39		
146263		65			0.760
146264		46			
146265		39			
146266		28			
146267		29			
146268		29			
146269		21			
146270		27			
146271		177		2.500	3.100
146272		49			
146273		26			
146274	35	30	34		
146275		41			
146276		42			
146277		29			
146278		43			
146279		50			
146280		42			
146281		7			

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Total number of samples : **89**

Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Cu AAT-8 % 0.010	Zn AAT-8 % 0.010
146282		28			
146283		27			
146284		19			
146285		26			0.710
146286	191	23	23		
146287		27			0.740
146288		20			
146289		22			0.710
146290		21			
146291		11			
146292		29			
146293		24			1.760
146294		25			
146295		33			
146296		36			
146297		25			
146298	27	21	23		
146299		30			
146300		26			
146301		5			

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Project : **TW**

Total number of samples : **89**

Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Cu AAT-8 % 0.010	Zn AAT-8 % 0.010
146302		21			
146303		32			
146304		23			
146305		21			
146306		23			
146307		21			
146308		21			
146309		30			
146310	81	22	25		
146311		162		2.540	3.080
146312		13			
146313		11			
146314		9			
146315		14			
146316		11			
146317		13			
146318		13			
146319		26			
146320		25			
146321		5			

Laboratoire Expert Inc.

127, Boulevard Industriel
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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26808**

Your order number :

Project : **TW**

Total number of samples : **89**

Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Cu AAT-8 % 0.010	Zn AAT-8 % 0.010
146322	60	32	34		
146323		42			0.670
146324		73			0.900
146325		38			
146326		38			
146327		35			
146328		32			
146329		26			
146330		28			
146331		9			
146332		43			
146333		39			
146334	83	37	36		
146335		36			
146336		43			0.850
146337		44			0.900
146338		50			0.580
146339		47			0.820
146340		37			
146341		5			

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Date : 2010/06/16

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26808**
Your order number :
Project : **TW**

Total number of samples : **89**

Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Cu AAT-8 % 0.010	Zn AAT-8 % 0.010
146342		43			
146343		28			
146344		27			
146345		31			
146346	130	66	64		
146347		44			0.740
146348		49			0.580
146349		26			
146350		45			

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Date : 2010/06/16

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26807**

Your order number :

Project : **TW**

Total number of samples : **75**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
136433		6	7	<5	<5	<5	<5	0.3
136434		<5		<5		<5		<0.2
136435		147		<5		<5		8.6
136436		7		<5		<5		0.5
136437		19		<5		<5		0.5
136438		105		<5		<5		5.3
136439		67		<5		<5		5.0
136440		133		<5		<5		6.4
136441		116		<5		<5		5.8
136442		158		<5		<5		7.1
136443		133		<5		<5		5.2
136444		101		<5		<5		5.8
136445		98	106	<5	<5	<5	<5	8.6
136446	7.79	7570		<5		<5		343.6
136447		203		<5		<5		16.5
136448		82		<5		<5		2.3
136449		174		<5		<5		5.2
136450		135		<5		<5		6.8
136451		14		<5		<5		1.3
136452		404		<5		<5		0.8

Joe Landers, Manager

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26807**
Your order number :
Project : **TW**

Total number of samples : **75**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
136453		85		<5		<5		6.8
136454		91		<5		<5		8.4
136455		69		<5		<5		11.6
136456		27		<5		<5		6.1
136457		80	74	<5	<5	<5	<5	14.8
136458		465		<5		<5		35.9
136459		134		<5		<5		9.2
136460		<5		<5		<5		<0.2
136461		49		<5		<5		11.5
136462		18		<5		<5		1.3
136463		5		<5		<5		0.9
136464		<5		<5		<5		0.7
136465		22		<5		<5		4.3
136466		14		<5		<5		1.0
136467		18		<5		<5		0.7
136468		9		<5		<5		0.8
136469		26	27	<5	<5	<5	<5	1.3
136470		17		<5		<5		1.5
136471		84		<5		<5		1321.0
136472		74		<5		<5		39.2

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26807**
Your order number :
Project : **TW**

Total number of samples : **75**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
136473		98		<5		<5		31.3
136474		25		<5		<5		5.2
136475		185		<5		<5		11.9
136476		96		<5		<5		7.4
136477		103		<5		<5		5.0
136478		49		<5		<5		1.2
136479		368		<5		<5		2.7
136480		27		<5		<5		0.8
136481		86	82	<5	<5	<5	<5	1.1
136482		25		<5		<5		0.6
136483		<5		<5		<5		<0.2
136484		5		<5		<5		0.8
136485		8		<5		<5		1.1
136486		18		<5		<5		0.8
136487		41		<5		<5		1.3
136488		36		<5		<5		1.4
136489		37		<5		<5		1.6
136490		263		<5		<5		14.5
136491		31		<5		<5		6.5
136492		26		7		<5		1.7

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Folder : **26807**

Your order number :

Project : **TW**

Total number of samples : **75**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
136493		14	15	12	9	8	7	1.0
136494		5		13		10		0.7
136495		17		9		8		0.4
136496		30		5		6		0.4
136497		18		26		24		0.8
136498		7		12		9		0.4
136499		11		19		15		0.6
136500	2.09	2218		<5		<5		1.1
136501		11		14		13		0.5
136502		70		11		7		0.4
136503		9		9		9		0.4
136504		13		9		9		0.5
136505		8	6	13	11	10	9	0.6
136506		48		7		7		0.4
136507		15		11		7		0.4

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Client : **Golden Chalice Resources**

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Folder : **26807**

Your order number :

Project : **TW**

Total number of samples : **75**

Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
136433	0.4	81	75	62	56	88	81	28
136434		10		11		8		<2
136435		1285		45		87		53
136436		87		123		52		41
136437		103		143		58		54
136438		397		45		362		324
136439		284		33		543		410
136440		336		32		2860		845
136441		243		29		1840		204
136442		137		33		1621		45
136443		177		29		4190		50
136444		614		27		8620		98
136445	8.9	1096	1069	25	26	5050		147
136446		392		9		106		174
136447		4540		30		8020		181
136448		269		25		851		68
136449		338		30		1260		136
136450		605		32		4550		553
136451		80		71		247		51
136452		47		80		146		38

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26807**

Your order number :

Project : **TW**

Total number of samples : **75**

Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
136453		347		27		4930		706
136454		239		31		---------- >DL		1243
136455		182		109		---------- >DL		1018
136456		227		34		---------- >DL		764
136457	15.0	579	608	35	29	---------- >DL		1657
136458		1372		34		---------- >DL		847
136459		216		25		5800		536
136460		11		9		7		<2
136461		229		31		8040		638
136462		74		59		569		52
136463		64		40		477		50
136464		69		46		113		43
136465		63		46		1083		136
136466		24		15		64		28
136467		24		13		57		31
136468		22		19		119		75
136469	1.2	34	34	18	17	121	131	59
136470		31		21		855		93
136471		639		50		---------- >DL		---------- >DL
136472		122		44		---------- >DL		392

>DL Value greater than detection limit

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26807**

Your order number :

Project : **TW**

Total number of samples : **75**

Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
136473		221		27		7500		428
136474		98		24		7520		158
136475		180		62		---------- >DL		111
136476		282		44		4590		37
136477		172		47		2250		24
136478		117		46		320		28
136479		303		32		1370		24
136480		59		81		108		38
136481	1.2	101	102	59	54	488	491	78
136482		69		39		182		40
136483		12		15		13		3
136484		79		57		719		47
136485		59		38		170		14
136486		34		29		56		9
136487		29		34		780		31
136488		62		44		237		32
136489		118		78		666		44
136490		150		119		2760		277
136491		247		281		4470		552
136492		71		510		2060		339

>DL Value greater than detection limit

Laboratoire Expert Inc.

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Addressee : **Darlene Wojtczak**

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Your order number :

Project : **TW**

Total number of samples : **75**

Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
136493	1.0	127	122	860	848	2590	2590	294
136494		101		686		1090		198
136495		109		570		175		39
136496		70		276		337		39
136497		233		3930		51		36
136498		108		1148		72		36
136499		144		3810		46		38
136500		486		76		90		37
136501		151		1413		44		32
136502		97		898		40		37
136503		122		1197		40		33
136504		142		1044		59		32
136505	0.6	129	139	1030	1006	53	53	30
136506		122		680		38		34
136507		81		259		33		26

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Client : **Golden Chalice Resources**

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Your order number :

Project : **TW**

Total number of samples : **75**

Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Zn AAT-8 % 0.010	Zn-Dup AAT-8 % 0.010	Pb AAT-8 % 0.010
136433	25	44	37			
136434		<2				
136435		47				
136436		27				
136437		29				
136438		27				
136439		24				
136440		22				
136441		20				
136442		23				
136443		22				
136444		22		0.880		
136445	146	25	23	0.530	0.530	
136446		7				
136447		30		0.800		
136448		25				
136449		29				
136450		26				
136451		17				
136452		16				

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Client : **Golden Chalice Resources**

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Folder : **26807**
Your order number :
Project : **TW**

Total number of samples : **75**

Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Zn AAT-8 % 0.010	Zn-Dup AAT-8 % 0.010	Pb AAT-8 % 0.010
136453		21		0.490		
136454		20		1.010		
136455		24		2.320		
136456		19		1.140		
136457	1626	24	21	3.440	3.480	
136458		25		1.960		
136459		16		0.570		
136460		<2				
136461		16		0.820		
136462		27				
136463		20				
136464		20				
136465		40				
136466		8				
136467		8				
136468		10				
136469	54	10	10			
136470		13				
136471		37		3.060		27.600
136472		41		1.560		

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Your order number :

Project : **TW**

Total number of samples : **75**

Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Zn AAT-8 % 0.010	Zn-Dup AAT-8 % 0.010	Pb AAT-8 % 0.010
136473		19		0.740		
136474		19		0.770		
136475		49		2.900		
136476		22				
136477		26				
136478		25				
136479		28				
136480		19				
136481	73	21	21			
136482		23				
136483		<2				
136484		20				
136485		11				
136486		8				
136487		7				
136488		10				
136489		24				
136490		20				
136491		56				
136492		43				

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Date : 2010/06/16

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26807**
Your order number :
Project : **TW**

Total number of samples : **75**

Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Zn AAT-8 % 0.010	Zn-Dup AAT-8 % 0.010	Pb AAT-8 % 0.010
136493	292	67	60			
136494		64				
136495		59				
136496		35				
136497		162				
136498		82				
136499		119				
136500		326				
136501		92				
136502		68				
136503		79				
136504		75				
136505	29	82	80			
136506		61				
136507		36				

Certificate Of Analysis

Cattarello Assayers Inc.

Number Of Samples: 48

Job: 096

Client: Golden Chalice
571 Moneta Ave
P.O Box 1124
Timmins, ON
P4N 7J3

Type Of Sample: Drill Core

Received Date: 2010-06-14

Processed Date: 2010-06-15

Report Date: 2010-06-29

TW 10-09, TW 10-10

Test Method: Au, Pt, Pd,Ag, FA/DCP
Cu, Zn, Pb, Co - Aqua-regia/AA

Sample ID	Au Fa-Grav g/t 0.03	Au DCP-1 ppm 5	Au-Dup DCP-1 ppm 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd- Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co AAT-7 ppm 2
TW 10-09 146711				7		10		<0.2	<0.2	77	73	46	50	21	19	81	78
TW 10-09 146712				9		8		0.2		65		40		60		50	
TW 10-09 146713				7		9		<0.2		85		45		24		64	
TW 10-09 146714				8		8		<0.2		82		40		17		55	
TW 10-09 146715		<5															
TW 10-09 146716		<5															
TW 10-09 146717		19															
TW 10-09 146718		<5															
TW 10-09 146719	9.4	9070															
TW 10-09 146720				10		9		<0.2		59		45		19		53	
TW 10-09 146721				<5		<5		<0.2		37		27		20		68	
TW 10-09 146722				8		<5		<0.2	<0.2	36	44	25		19		73	
TW 10-09 146723				6		<5		<0.2		45		25	29	20	20	77	78
TW 10-09 146724				<5		<5		<0.2		44		21		22		71	
TW 10-09 146725				5		<5		<0.2		36		21		21		81	
TW 10-09 146726				5		5		<0.2		37		22		21		89	
TW 10-09 146727				<5		5		<0.2		37		22		20		70	
TW 10-09 146728				9		8		<0.2		36		62		22		60	
TW 10-09 146729				<5		<5		<0.2		9		7		2		4	
TW 10-09 146730				<5		<5		<0.2		20		14		6		11	
TW 10-09 146731				<5		<5		<0.2		40		9		4		7	
TW 10-09 146732				10		11		<0.2		88		76		23		65	
TW 10-09 146733				9		9		<0.2		51		58		18		63	
TW 10-09 146734				<5		<5		<0.2		694		25		10		27	
TW 10-09 146735				13		9		<0.2	<0.2	73	66	52	48	17	16	59	53
TW 10-09 146736				9		9		<0.2		87		51		17		61	
TW 10-09 146737				<5		<5		<0.2		248		35		19		22	
TW 10-09 146738				<5		<5		0.9		477		104		30		350	
TW 10-09 146739				<5		<5		<0.2		144		34		14		25	
TW 10-09 146740				6		6		<0.2		50		45		15		56	
TW 10-09 146741				<5		<5		<0.2		41		29		16		28	
TW 10-09 146742				9		9		<0.2		30		30		21		61	
TW 10-09 146743				6		7		<0.2		39		53		24		53	
TW 10-09 146744				5		5		<0.2		66		32		17		53	
TW 10-09 146745				10		7		<0.2		61		32		12		58	
TW 10-09 146746				7		9		<0.2		61		37		17		62	
TW 10-10 146747				10		8		<0.2	<0.2	78	82	45	43	18	17	66	65
TW 10-10 146748				12		7		<0.2		50		44		18		70	
TW 10-10 146749				9		10		<0.2		83		57		20		59	
TW 10-10 146750				6		<5		<0.2		74		42		19		65	
TW 10-10 146751				11		8		<0.2		106		35		19		65	
TW 10-10 146752				14		10		<0.2		70		43		20		65	
TW 10-10 146753				12		8		<0.2		46		31		18		69	
TW 10-10 146754				8		5		<0.2		69		25		16		35	
TW 10-10 146755				12		7		<0.2		82		41		19		46	
TW 10-10 146756				11		7		<0.2		88		28		17		36	
TW 10-10 146757				6		<5		1.1		58		332		137		19	
TW 10-10 146758				9		7		<0.2		178		43		17		72	

Approved By Chief Analyst:

Issue Date	Revision Date	Rev #	Owner	Form ID	Page
18/02/2010	18/02/2010	1	Chris Hacquard	ANAL-002	1 Of 1

Certificate Of Analysis

Cattarello Assayers Inc.

Number Of Samples: 80

Client: Golden Chalice Resources

Job: 53 TW

Type Of Sample: Drill Core

Received Date: 2010-04-29

Processed Date: 2010-04-30

Report Date: 2010-05-06

Test Method: FAAA

Sample ID	Au FA-GEO ppb 5 ========	Au-Dup FA-GEO ppb 5 ========
146182	**<5**	
146183	**<5**	
146184	**<5**	
146185	**<5**	
146186	**<5**	
146187	**6**	
146188	**5**	
146189	**<5**	
146190	**7**	
146191	**<5**	
146192	**<5**	
146193	**<5**	**<5**
146194	**<5**	
146195	**<5**	
146196	**242**	
146197	**<5**	
146198	**<5**	
146199	**<5**	
146200	**<5**	
146201	**<5**	
146202	**<5**	
146203	**<5**	
146204	**<5**	
146205	**<5**	
146206	**<5**	
146207	**<5**	
146208	**<5**	
146209	**<5**	**<5**
146210	**<5**	
146211	**3.07 G/T**	
146212	**<5**	

Approved By Chief Analyst:

Certificate Of Analysis

Sample ID	Au FA-GEO ppb 5 ========	Au-Dup FA-GEO ppb 5 ========
146213	**<5**	
146214	**<5**	
146215	**<5**	
146216	**<5**	
146217	**<5**	
146218	**<5**	
146219	**<5**	
146220	**<5**	
146221	**<5**	
146222	**<5**	
146223	**<5**	
146224	**<5**	
146225	**<5**	
146226	**<5**	
146227	**<5**	
146228	**<5**	**<5**
146229	**<5**	
146230	**<5**	
146231	**249**	
146232	**<5**	
146233	**<5**	
146234	**<5**	
146235	**<5**	
146236	**<5**	
146237	**<5**	
146238	**<5**	
146239	**7**	
146240	**<5**	
146241	**<5**	
146242	**<5**	
146243	**28**	
146244	**27**	
146245	**10**	
146246	**7**	
146247	**35**	
146248	**38**	
146249	**<5**	
146250	**<5**	
146251	**8.589 G/T**	
146252	**7**	
146253	**<5**	

Approved By Chief Analyst:

Certificate Of Analysis

Sample ID	Au FA-GEO ppb 5 ========	Au-Dup FA-GEO ppb 5 ========
146254	**<5**	
146255	**<5**	
146256	**5**	
146257	**5**	
146258	**<5**	
146259	**<5**	
146260	**<5**	
146261	**<5**	**<5**

Approved By Chief Analyst:

Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2155

Company: **Golden Chalice**

Project: TW

Attn: Peter Caldbick

Report Date: 14-Jul-10

We hereby certify the following Assay of 40 rejects samples submitted 16-Jun-10 by Peter Caldbick

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au FA-GRAV g/Mt	Au Chk FA-GRAV g/Mt
146222	0.01			
146223	0.01			
146224	0.01			
146225	0.01			
146226	< 0.01			
146227	0.01			
146228	< 0.01	< 0.01		
146229	0.01			
146230	< 0.01			
146231	0.25			
146232	< 0.01			
146233	< 0.01			
146234	< 0.01			
146235	< 0.01			
146236	< 0.01			
146237	0.01			
146238	0.01	< 0.01		
146239	0.02			
146240	0.01			
146241	< 0.01			
146242	< 0.01			
146243	< 0.01			
146244	< 0.01			
146245	0.01			
146246	0.01			

Certified by Paul Chartre

Denis Chartre

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

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Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2155

Company: **Golden Chalice**

Project: TW

Report Date: 14-Jul-10

Attn: Peter Caldbick

We hereby certify the following Assay of 40 rejects samples submitted 16-Jun-10 by Peter Caldbick

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au FA-GRAV g/Mt	Au Chk FA-GRAV g/Mt
146247	0.04			
146248	0.04			
146249	< 0.01			
146250	< 0.01			
146251			9.10	
146252	< 0.01			
146253	< 0.01			
146254	< 0.01			
146255	0.01	< 0.01		
146256	0.01			
146257	0.01			
146258	< 0.01			
146259	< 0.01			
146260	< 0.01			
146261	< 0.01			
Blank Value	< 0.01			
OxF65	0.78			

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Denis Chartre

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Established 1928

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2154

Company: **Golden Chalice**

Project: TW

Attn: Peter Caldbick

Report Date: 13-Jul-10

We hereby certify the following Assay of 40 rejects samples submitted 16-Jun-10 by Peter Caldbick

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
146182		< 0.01	
146183		< 0.01	
146184		< 0.01	
146185		< 0.01	
146186		< 0.01	
146187		< 0.01	
146188		< 0.01	
146189		< 0.01	
146190		< 0.01	
146191		< 0.01	< 0.01
146192		< 0.01	
146193		< 0.01	
146194		< 0.01	
146195		< 0.01	
146196		0.25	
146197		< 0.01	
146198		< 0.01	
146199		< 0.01	
146200		< 0.01	< 0.01
146201	1	< 0.01	
146202		< 0.01	
146203		< 0.01	
146204		< 0.01	
146205		< 0.01	
146206		< 0.01	

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Denis Chartre

1. No Reject

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Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2154

Company: **Golden Chalice**

Project: TW

Attn: Peter Caldbick

Report Date: 13-Jul-10

We hereby certify the following Assay of 40 rejects samples submitted 16-Jun-10 by Peter Caldbick

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt
146207		< 0.01	
146208		< 0.01	
146209		< 0.01	
146210		0.02	
146211		2.04	
146212		< 0.01	
146213		< 0.01	
146214		< 0.01	
146215		< 0.01	
146216		< 0.01	
146217		< 0.01	
146218		< 0.01	
146219		< 0.01	
146220	1	< 0.01	
146221		< 0.01	< 0.01
Blank Value		< 0.01	
OxF65		0.74	

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Assay Certificate

Certificate Number: 10-2153

Company: **Golden Chalice**

Project: TW

Report Date: 15-Jul-10

Attn: Peter Caldbick

We hereby certify the following Assay of 54 core samples submitted 16-Jun-10 by Peter Caldbick

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au FA-GRAV g/Mt	Au Chk FA-GRAV g/Mt
146613		< 0.01			
146614		0.26			
146615		0.03			
146616		< 0.01			
146617		< 0.01			
146618		< 0.01			
146619		< 0.01			
146620		< 0.01			
146621		< 0.01			
146622		< 0.01	< 0.01		
146623		< 0.01			
146624	1	< 0.01			
146625		< 0.01			
146626		< 0.01			
146627		< 0.01			
146628		< 0.01			
146629		< 0.01			
146630		< 0.01	< 0.01		
146631		< 0.01			
146632		< 0.01			
146633		< 0.01			
146634				9.50	
146635		0.01			
146636		< 0.01	0.04		
146637		< 0.01			

Certified by Denis Chartre

1. No Reject

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Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2153

Company: **Golden Chalice**

Project: TW

Report Date: 15-Jul-10

Attn: Peter Caldbick

We hereby certify the following Assay of 54 core samples submitted 16-Jun-10 by Peter Caldbick

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au FA-GRAV g/Mt	Au Chk FA-GRAV g/Mt
146638		< 0.01			
146639		< 0.01			
146640		< 0.01			
146641		< 0.01			
146642		< 0.01			
146643		< 0.01			
146644	1	< 0.01			
146645		< 0.01	< 0.01		
146646		< 0.01			
146647		< 0.01			
146648		< 0.01			
146649		< 0.01			
146650		< 0.01			
146651		< 0.01			
146652		< 0.01			
146653		0.01	0.03		
146654		0.26			
146655		< 0.01			
146656		0.02			
146657		0.04	< 0.01		
146658		0.05			
146659		0.02			
146660		0.02			
146661		0.05			
146662		0.05			

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1. No Reject

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Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2153

Company: **Golden Chalice**

Project: TW

Report Date: 15-Jul-10

Attn: Peter Caldbick

We hereby certify the following Assay of 54 core samples submitted 16-Jun-10 by Peter Caldbick

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au FA-GRAV g/Mt	Au Chk FA-GRAV g/Mt
146663		0.03			
146664	1	< 0.01			
146665		0.03			
146666		< 0.01	< 0.01		

Certified by Denis Chartre

1. No Reject

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Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2152

Company: **Golden Chalice**

Project: TW

Attn: Peter Caldbick

Report Date: 20-Jul-10

We hereby certify the following Assay of 60 core samples submitted 16-Jun-10 by Peter Caldbick

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au Chk FA-GRAV g/Mt
146553		< 0.01		
146554		0.27		
146555		< 0.01		
146556		< 0.01		
146557		< 0.01		
146558		0.01		
146559		0.01		
146560		< 0.01		
146561		0.03		
146562		< 0.01	0.01	
146563		< 0.01		
146564	1	< 0.01		
146565		< 0.01		
146566		< 0.01		
146567		< 0.01		
146568		< 0.01		
146569		< 0.01		
146570		< 0.01		
146571		0.01		
146572		< 0.01	0.01	
146573		< 0.01		
146574				9.88
146575		< 0.01		
146576		< 0.01		
146577		< 0.01		

Certified by Paul Chartre

Denis Chartre

1. No Reject

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Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2152

Company: **Golden Chalice**

Project: TW

Attn: Peter Caldbick

Report Date: 20-Jul-10

We hereby certify the following Assay of 60 core samples submitted 16-Jun-10 by Peter Caldbick

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au Chk FA-GRAV g/Mt
146578		0.02		
146579		0.01		
146580		< 0.01		
146581	1	0.01		
146582		0.01	< 0.01	
146583		0.02		
146584	1	0.01		
146585		0.01		
146586		0.01		
146587		0.01	< 0.01	
146588		< 0.01		
146589		< 0.01		
146590		< 0.01		
146591		< 0.01		
146592		< 0.01	0.01	
146593		< 0.01		
146594		2.02		
146595		< 0.01		
146596		< 0.01		
146597		0.02		
146598		< 0.01		
146599		< 0.01		
146600		< 0.01		
146601		< 0.01		
146602		< 0.01	0.01	

Certified by Paul Chartre

Denis Chartre

1. No Reject

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Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2152

Company: **Golden Chalice**

Project: TW

Attn: Peter Caldbick

Report Date: 20-Jul-10

We hereby certify the following Assay of 60 core samples submitted 16-Jun-10 by Peter Caldbick

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au Chk FA-GRAV g/Mt
146603		< 0.01		
146604	1	< 0.01		
146605		< 0.01		
146606		< 0.01		
146607		< 0.01		
146608		< 0.01		
146609		< 0.01		
146610		< 0.01		
146611		< 0.01		
146612		< 0.01	0.01	
Blank Value		< 0.01		
OxF65		0.80		

Certified by Paul Chartre

Denis Chartre

1. No Reject

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Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2151

Company: **Golden Chalice**

Project: TW

Report Date: 26-Jul-10

Attn: Peter Caldbick

We hereby certify the following Assay of 60 core samples submitted 16-Jun-10 by Peter Caldbick

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au FA-GRAV g/Mt	Au Chk FA-GRAV g/Mt
146493		< 0.01			
146494		< 0.01			
146495		< 0.01			
146496		< 0.01			
146497		< 0.01			
146498		< 0.01			
146499		< 0.01			
146500		0.01			
146501	1	0.01			
146502	1	< 0.01	< 0.01		
146503		< 0.01			
146504		0.01			
146505		< 0.01			
146506	1	0.04			
146507		< 0.01			
146508		< 0.01			
146509		< 0.01			
146510		0.03	0.03		
146511		< 0.01			
146512		0.25			
146513		< 0.01			
146514		< 0.01			
146515		< 0.01			
146516		< 0.01	< 0.01		
146517		< 0.01			

Certified by Denis Chartre

1. No Reject

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Telephone (705) 642-3244 Fax (705) 642-3300

Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2151

Company: **Golden Chalice**

Project: TW

Report Date: 26-Jul-10

Attn: Peter Caldbick

We hereby certify the following Assay of 60 core samples submitted 16-Jun-10 by Peter Caldbick

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au FA-GRAV g/Mt	Au Chk FA-GRAV g/Mt
146518		< 0.01			
146519		< 0.01			
146520		< 0.01			
146521		< 0.01			
146522	1	< 0.01	< 0.01		
146523		< 0.01			
146524		< 0.01			
146525		< 0.01			
146526		< 0.01			
146527		< 0.01			
146528		< 0.01			
146529		< 0.01			
146530		< 0.01			
146531		< 0.01			
146532		< 0.01	< 0.01		
146533		< 0.01			
146534		2.00			
146535		< 0.01			
146536		< 0.01			
146537		< 0.01			
146538		< 0.01			
146539		< 0.01			
146540		< 0.01			
146541		< 0.01			
146542		< 0.01	< 0.01		

Certified by Denis Chartre

1. No Reject

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Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2151

Company: **Golden Chalice**

Project: TW

Report Date: 26-Jul-10

Attn: Peter Caldbick

We hereby certify the following Assay of 60 core samples submitted 16-Jun-10 by Peter Caldbick

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au FA-GRAV g/Mt	Au Chk FA-GRAV g/Mt
146543		< 0.01			
146544	1	< 0.01			
146545		< 0.01			
146546		< 0.01			
146547		0.01			
146548		0.01			
146549		< 0.01			
146550		0.02			
146551		< 0.01			
146552		< 0.01	< 0.01		
Blank Value		< 0.01			
OxF65		0.75			

1. No Reject

Certified by Denis Chartre

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Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2150

Company: **Golden Chalice**

Project: TW

Attn: Peter Caldbick

Report Date: 19-Jul-10

We hereby certify the following Assay of 60 core samples submitted 16-Jun-10 by Peter Caldbick

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au FA-GRAV g/Mt	Au Chk FA-GRAV g/Mt
146433	0.01			
146434	0.01			
146435	< 0.01			
146436	0.17	0.16		
146437	0.09			
146438	0.01			
146439	< 0.01			
146440	0.01			
146441	0.01			
146442	0.01			
146443	< 0.01			
146444	0.05			
146445	0.09			
146446	< 0.01			
146447	< 0.01			
146448	0.01	< 0.01		
146449	0.08			
146450	0.01			
146451	0.01			
146452	0.26			
146453	0.01			
146454	< 0.01			
146455	0.01			
146456	0.02			
146457	0.02			

1. No Reject

Certified by Denis Chartre

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2150

Company: **Golden Chalice**

Project: TW

Attn: Peter Caldbick

Report Date: 19-Jul-10

We hereby certify the following Assay of 60 core samples submitted 16-Jun-10 by Peter Caldbick

Sample Number		Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au FA-GRAV g/Mt	Au Chk FA-GRAV g/Mt
146458		0.01			
146459		0.18			
146460		0.03			
146461		0.02			
146462		< 0.01	< 0.01		
146463		0.01			
146464		0.01			
146465		0.02			
146466		0.02			
146467		< 0.01			
146468		< 0.01			
146469		0.02			
146470		0.02	0.02		
146471		0.02			
146472				9.32	
146473		< 0.01			
146474		0.02			
146475		0.02			
146476		0.02			
146477		0.02	0.02		
146478		0.02			
146479		< 0.01			
146480		0.02			
146481		0.02			
146482	1	< 0.01			

1. No Reject

Certified by Denis Chartre

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Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Assay Certificate

Certificate Number: 10-2150

Company: **Golden Chalice**

Project: TW

Attn: Peter Caldbick

Report Date: 19-Jul-10

We hereby certify the following Assay of 60 core samples submitted 16-Jun-10 by Peter Caldbick

Sample Number	Au FA-AAS g/Mt	Au Chk FA-AAS g/Mt	Au FA-GRAV g/Mt	Au Chk FA-GRAV g/Mt
146483	< 0.01			
146484	0.02			
146485	0.02			
146486	0.02			
146487	< 0.01			
146488	< 0.01			
146489	< 0.01			
146490	< 0.01			
146491	0.02	0.02		
146492	2.00			
Blank Value	< 0.01			
OxF65	0.81			

1. No Reject

Certified by Denis Chartre

Denis Chartre

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

Certificate Of Analysis

Cattarello Assayers Inc.

Number Of Samples: 44

Client: Golden Chalice Resources

Job: 85 TW-07-TW-08

Type Of Sample: Drill Core

Received Date: 2010-06-01

Processed Date: 2010-06-07

Report Date: 2010-06-09

Test Method: FAAA

Sample ID	Au FA-GEO ppb 5 ========	Au-Dup FA-GEO ppb 5 ========
146667	**<5**	
146668	**<5**	
146669	**<5**	
146670	**<5**	
146671	**<5**	
146672	**7**	
146673	**7**	
146674	**8**	
146675	**8**	
146676	**<5**	
146677	**<5**	**<5**
146678	**<5**	
146679	**<5**	
146680	**<5**	
146681	**<5**	
146682	**<5**	
146683	**<5**	
146684	**<5**	
146685	**<5**	
146686	**376**	
146687	**<5**	
146688	**<5**	
146689	**<5**	
146690	**<5**	
146691	**<5**	
146692	**<5**	
146693	**<5**	
146694	**<5**	
146695	**<5**	
146696	**<5**	

Approved By Chief Analyst:

Certificate Of Analysis

Gold Chalice Resources
TW-07-TW-08
Job:85

Sample ID	Au FA-GEO ppb 5 ========	Au-Dup FA-GEO ppb 5 ========
146697	**<5**	
146698	**<5**	
146699	**<5**	
146700	**8**	**5**
146701	**<5**	
146702	**<5**	
146703	**<5**	
146704	**<5**	
146705	**<5**	
146706	**6**	
146707	**<5**	
146708	**388**	
146709	**33**	
146710	**<5**	

Approved By Chief Analyst:

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

Date : 2010/06/16

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26809**

Your order number :

Project : **TW**

Total number of samples : **82**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
146351		90	86	<5	<5	<5	<5	1328.0
146352		203		<5		<5		7.1
146353		25		6		<5		1.2
146354		27		<5		<5		0.9
146355		20		<5		<5		1.0
146356		29		<5		<5		1.0
146357		21		<5		<5		2.4
146358		15		<5		<5		0.5
146359		13		8		6		0.3
146360		8		<5		<5		<0.2
146361		<5		<5		<5		<0.2
146362		<5		<5		<5		<0.2
146363		7	6	<5	<5	<5	<5	0.2
146364		11		<5		<5		0.3
146365		12		5		<5		0.7
146366		5		16		14		0.4
146367		<5		9		10		0.2
146368		<5		<5		<5		<0.2
146369		6		6		<5		0.2
146370		20		<5		<5		0.2

Joe Landers, Manager

Laboratoire Expert Inc.

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26809**

Your order number :

Project : **TW**

Total number of samples : **82**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
146371		312		<5		<5		0.5
146372		6		<5		<5		<0.2
146373		8		<5		<5		0.2
146374		8		6		6		<0.2
146375		5	6	10	12	7	7	0.2
146376		6		7		8		<0.2
146377		41		13		11		0.4
146378		7		9		9		<0.2
146379		8		10		9		<0.2
146380		14		9		9		<0.2
146381		<5		<5		<5		<0.2
146382		11		11		9		<0.2
146383		114		8		8		<0.2
146384		27		<5		<5		<0.2
146385		46		<5		<5		<0.2
146386		6		<5		<5		<0.2
146387		6	8	<5	5	<5	<5	<0.2
146388		51		<5		<5		<0.2
146389		84		<5		<5		<0.2
146390		6		<5		<5		<0.2

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26809**
Your order number :
Project : **TW**

Total number of samples : **82**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
146391		7		<5		<5		<0.2
146392		8		<5		<5		0.2
146393		5		<5		<5		<0.2
146394		<5		<5		<5		<0.2
146395		5		<5		<5		<0.2
146396		282		6		<5		0.2
146397		7		<5		<5		<0.2
146398		7		5		<5		<0.2
146399		6	6	<5	<5	<5	<5	<0.2
146400		7		5		<5		<0.2
146401		22		<5		<5		1.2
146402		5		<5		<5		<0.2
146403		<5		<5		<5		<0.2
146404		<5		<5		<5		<0.2
146405		10		<5		<5		0.6
146406		9		<5		<5		0.2
146407		6		<5		<5		0.2
146408		23		5		<5		0.6
146409		11		<5		<5		<0.2
146410		33		7		<5		<0.2

*** Certificate of analysis ***

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Date : 2010/06/16

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26809**

Your order number :

Project : **TW**

Total number of samples : **82**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
146411		22	18	14	15	12	11	0.4
146412		9		23		12		0.2
146413	10.35	9748		<5		<5		3.4
146414		32		10		11		0.9
146415		9		7		10		0.7
146416		8		10		10		0.5
146417		6		8		10		0.4
146418		5		10		10		0.2
146419		<5		9		10		0.3
146420		7		6		7		0.3
146421		5		8		8		<0.2
146422		5		<5		6		<0.2
146423		<5	<5	<5	<5	<5	<5	0.3
146424		<5		<5		<5		0.2
146425		16		<5		<5		0.2
146426		11		<5		<5		0.2
146427		9		<5		<5		0.5
146428		7		11		8		0.3
146429		11		12		11		0.4
146430		16		6		<5		0.3

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Date : 2010/06/16

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26809**

Your order number :

Project : **TW**

Total number of samples : **82**

Designation	Au FA-GRAV g/t 0.03	Au DCP-1 ppb 5	Au-Dup DCP-1 ppb 5	Pt DCP-1 ppb 5	Pt-Dup DCP-1 ppb 5	Pd DCP-1 ppb 5	Pd-Dup DCP-1 ppb 5	Ag AAT-7 ppm 0.2
146431		10		5		<5		0.6
146432		11		<5		<5		2.1

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26809**

Your order number :

Project : **TW**

Total number of samples : **82**

Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
146351	1349.0	617	610	56	57	---------- >DL		---------- >DL
146352		123		122		948		296
146353		56		63		176		41
146354		76		70		185		24
146355		102		87		346		53
146356		98		79		600		86
146357		617		539		2655		348
146358		145		135		1316		50
146359		71		51		132		17
146360		45		31		50		12
146361		12		12		8		<2
146362		49		31		195		9
146363	<0.2	47	47	40	43	105	108	9
146364		122		138		49		15
146365		309		610		105		25
146366		111		1254		52		24
146367		82		988		37		23
146368		50		292		45		21
146369		51		343		43		21
146370		51		361		51		22

>DL Value greater than detection limit

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26809**

Your order number :

Project : **TW**

Total number of samples : **82**

Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
146371		63		28		43		16
146372		42		91		48		20
146373		135		75		61		26
146374		78		200		23		20
146375	<0.2	66	63	260	247	17	12	22
146376		66		216		11		20
146377		116		580		27		32
146378		82		473		23		26
146379		88		435		22		25
146380		87		480		23		27
146381		7		30		5		<2
146382		97		316		19		23
146383		82		242		14		20
146384		30		21		17		5
146385		30		16		15		3
146386		31		16		18		4
146387	<0.2	48	50	14	19	11	11	4
146388		23		18		11		9
146389		35		17		16		7
146390		30		18		19		6

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26809**

Your order number :

Project : **TW**

Total number of samples : **82**

Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
146391		15		15		13		4
146392		30		20		20		8
146393		30		19		23		5
146394		33		20		31		6
146395		28		23		31		8
146396		61		25		42		16
146397		28		23		34		9
146398		29		22		37		7
146399	<0.2	31	29	20	19	22	23	4
146400		33		19		19		8
146401		30		27		14		22
146402		37		18		22		4
146403		10		17		4		<2
146404		32		15		15		4
146405		28		39		14		10
146406		63		116		61		17
146407		24		26		18		9
146408		48		83		49		25
146409		22		21		18		7
146410		20		20		18		8

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26809**
Your order number :
Project : **TW**

Total number of samples : **82**

Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
146411	0.3	1007	1010	487	452	80	76	32
146412		212		647		111		37
146413		374		98		58		141
146414		1873		609		182		37
146415		568		624		85		31
146416		324		579		158		31
146417		259		568		59		32
146418		103		514		41		28
146419		106		534		52		30
146420		92		368		35		25
146421		83		361		33		19
146422		128		599		39		31
146423	<0.2	15	12	30	36	8	8	<2
146424		50		107		46		17
146425		55		287		49		21
146426		49		124		48		18
146427		41		144		46		19
146428		91		649		44		29
146429		126		535		78		54
146430		38		72		42		29

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*** Certificate of analysis ***

Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

Folder : **26809**

Your order number :

Project : **TW**

Total number of samples : **82**

Designation	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Ni AAT-7 ppm 2	Ni-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2	Pb AAT-7 ppm 2
146431		56		105		57		46
146432		66		113		78		116

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Client : **Golden Chalice Resources**

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Folder : **26809**

Your order number :

Project : **TW**

Total number of samples : **82**

Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Zn AAT-8 % 0.010	Zn-Dup AAT-8 % 0.010	Pb AAT-8 % 0.010	Pb-Dup AAT-8 % 0.010
146351		41	44	3.020	2.990	27.620	27.810
146352		48					
146353		22					
146354		29					
146355		28					
146356		33					
146357		67					
146358		30					
146359		30					
146360		23					
146361		6					
146362		20					
146363	11	17	16				
146364		36					
146365		66					
146366		109					
146367		83					
146368		40					
146369		39					
146370		45					

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Your order number :

Project : **TW**

Total number of samples : **82**

Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Zn AAT-8 % 0.010	Zn-Dup AAT-8 % 0.010	Pb AAT-8 % 0.010	Pb-Dup AAT-8 % 0.010
146371		89					
146372		27					
146373		51					
146374		39					
146375	20	44	43				
146376		41					
146377		71					
146378		54					
146379		54					
146380		56					
146381		8					
146382		51					
146383		40					
146384		14					
146385		14					
146386		12					
146387	6	11	11				
146388		13					
146389		12					
146390		14					

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Client : **Golden Chalice Resources**

Addressee : **Darlene Wojtczak**

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Your order number :

Project : **TW**

Total number of samples : **82**

Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Zn AAT-8 % 0.010	Zn-Dup AAT-8 % 0.010	Pb AAT-8 % 0.010	Pb-Dup AAT-8 % 0.010
146391		10					
146392		14					
146393		14					
146394		15					
146395		12					
146396		92					
146397		14					
146398		14					
146399	6	14	14				
146400		13					
146401		28					
146402		14					
146403		6					
146404		13					
146405		22					
146406		37					
146407		18					
146408		46					
146409		18					
146410		15					

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Project : **TW**

Total number of samples : **82**

Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Zn AAT-8 % 0.010	Zn-Dup AAT-8 % 0.010	Pb AAT-8 % 0.010	Pb-Dup AAT-8 % 0.010
146411	26	85	79				
146412		89					
146413		88					
146414		208					
146415		87					
146416		87					
146417		82					
146418		75					
146419		75					
146420		64					
146421		87					
146422		75					
146423	2	7	9				
146424		32					
146425		43					
146426		38					
146427		37					
146428		57					
146429		65					
146430		21					

Laboratoire Expert Inc.

127, Boulevard Industriel
Rouyn-Noranda, Québec
Canada, J9X 6P2
Telephone : (819) 762-7100, Fax : (819) 762-7510

*** Certificate of analysis ***

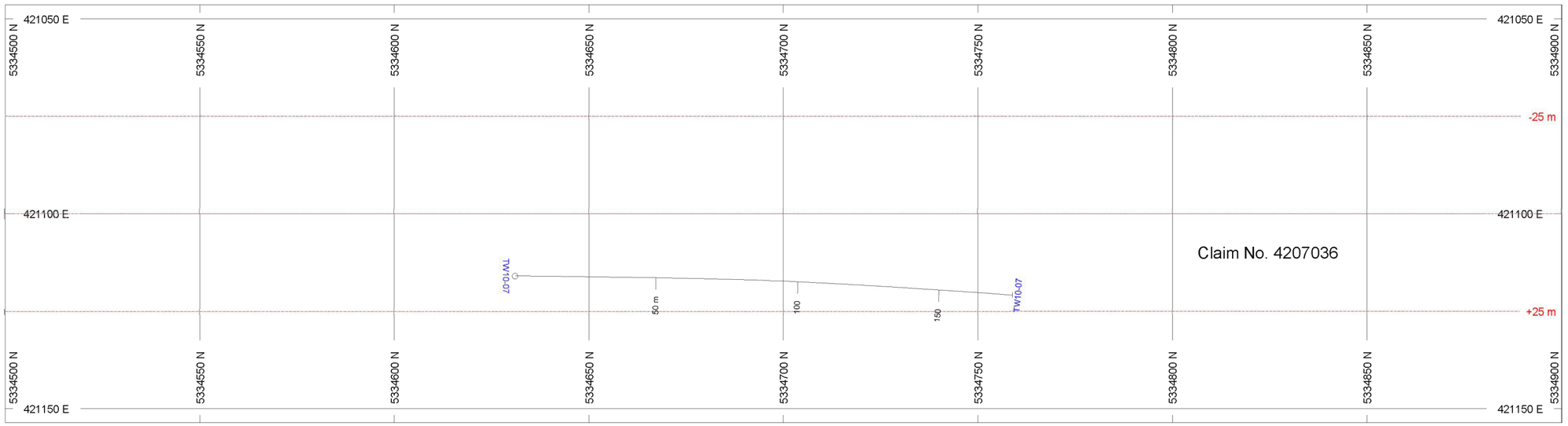
Client : **Golden Chalice Resources**

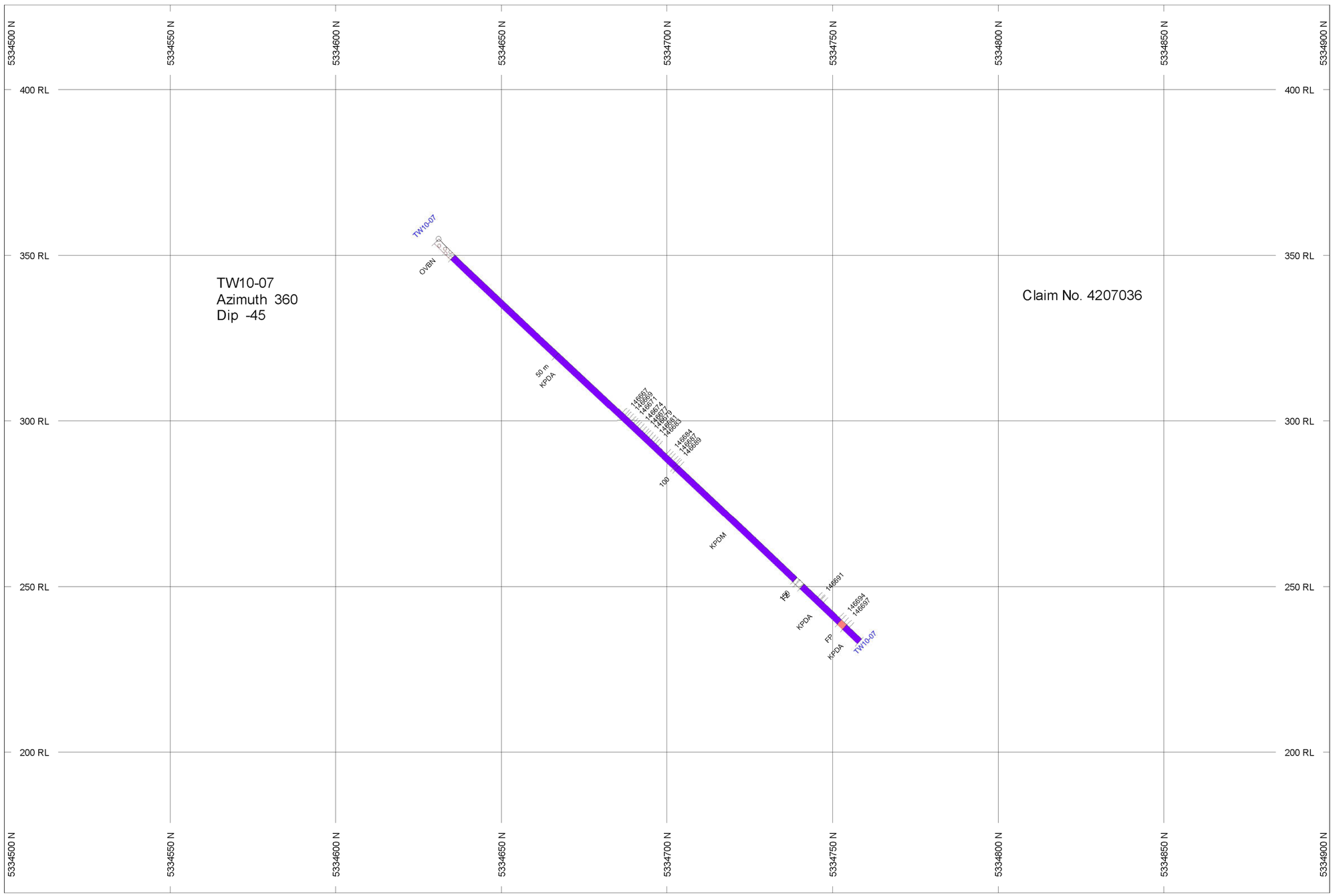
Addressee : **Darlene Wojtczak**

Folder : **26809**
Your order number :
Project : **TW**

Total number of samples : **82**

Designation	Pb-Dup AAT-7 ppm 2	Co AAT-7 ppm 2	Co-Dup AAT-7 ppm 2	Zn AAT-8 % 0.010	Zn-Dup AAT-8 % 0.010	Pb AAT-8 % 0.010	Pb-Dup AAT-8 % 0.010
146431		31					
146432		34					





GOLDEN CHALICE RESOURCES INC

Section Looking west

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		FP	feldspar porphyry
		FZ	fault zone
		KPDA	komatiitic peridotite adcumulate
		KPDM	komatiitic peridotite mesocumulate
		OVBN	overburden

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

NAD83 / UTM zone 17N

AZIMUTH = 0°

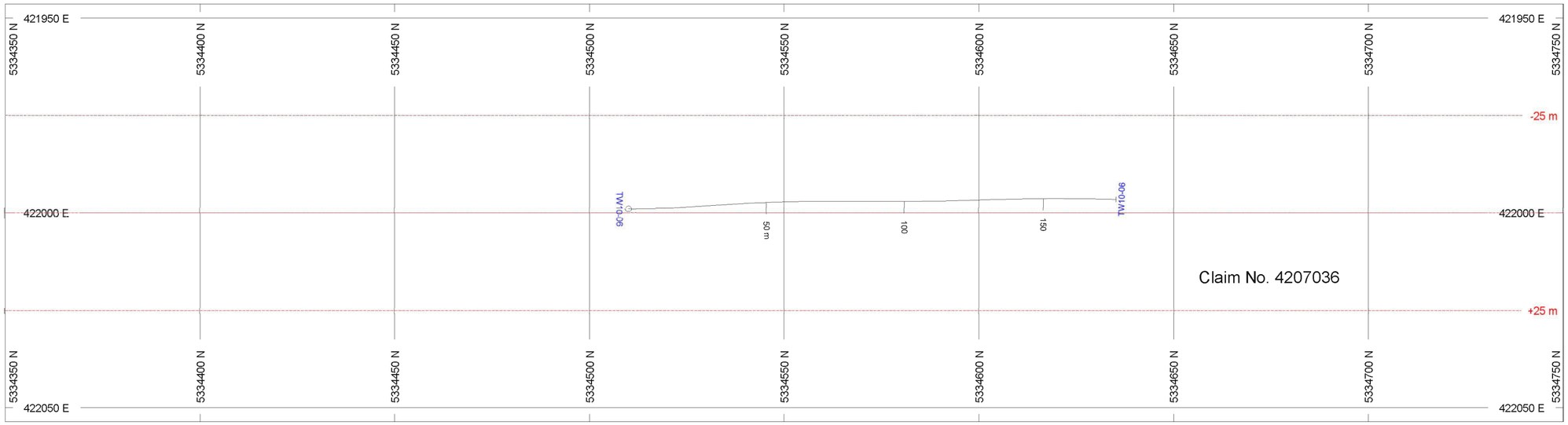
N W E S

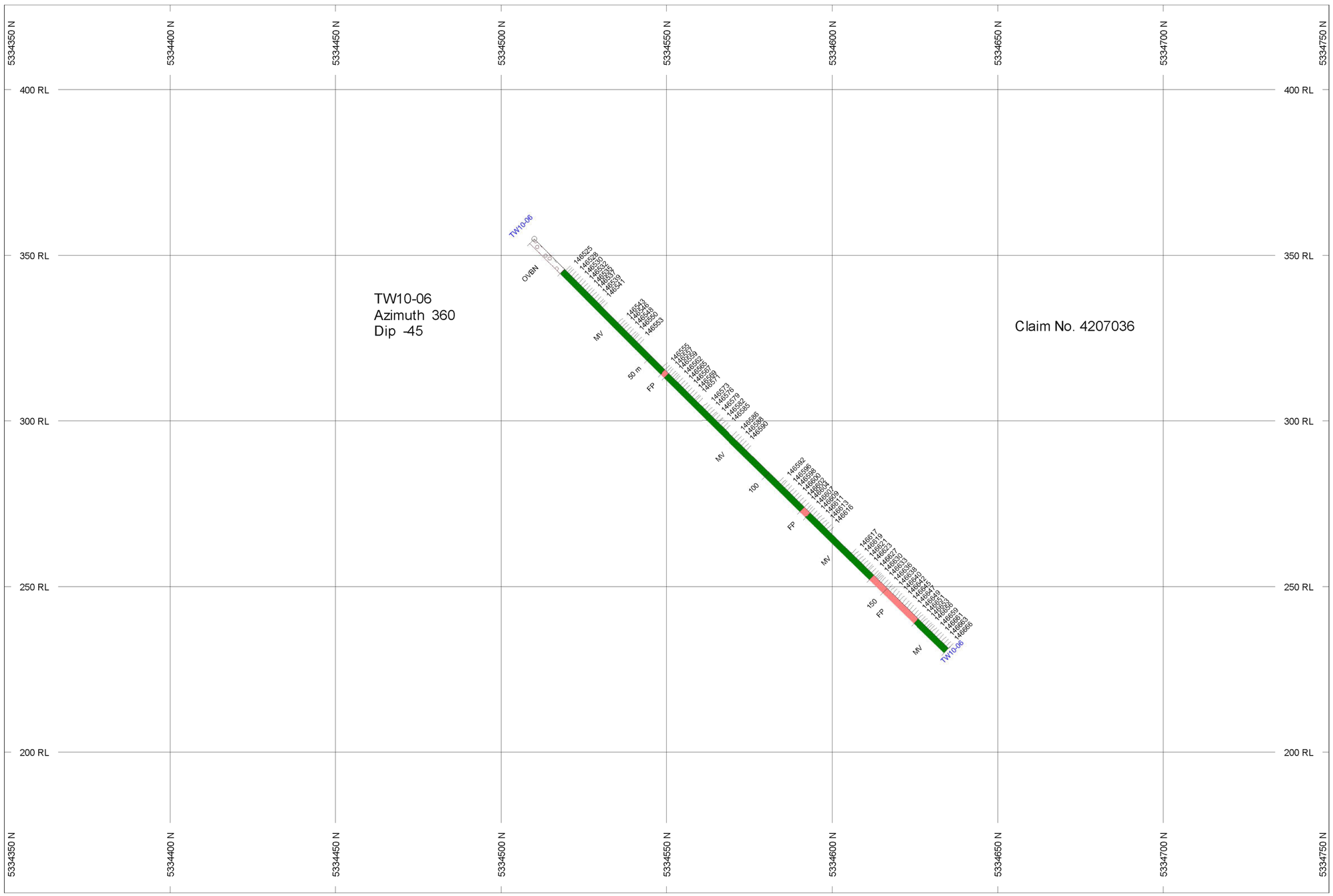
Golden Chalice Resources

Timmins West

TW10-07 Drill Section

K Montgomery





GOLDEN CHALICE RESOURCES INC

Section Looking west

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		FP	feldspar porphyry
		OVBN	overburden
		MV	Mafic Volcanic (undifferentiated)

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

NAD83 / UTM zone 17N

AZIMUTH = 0°

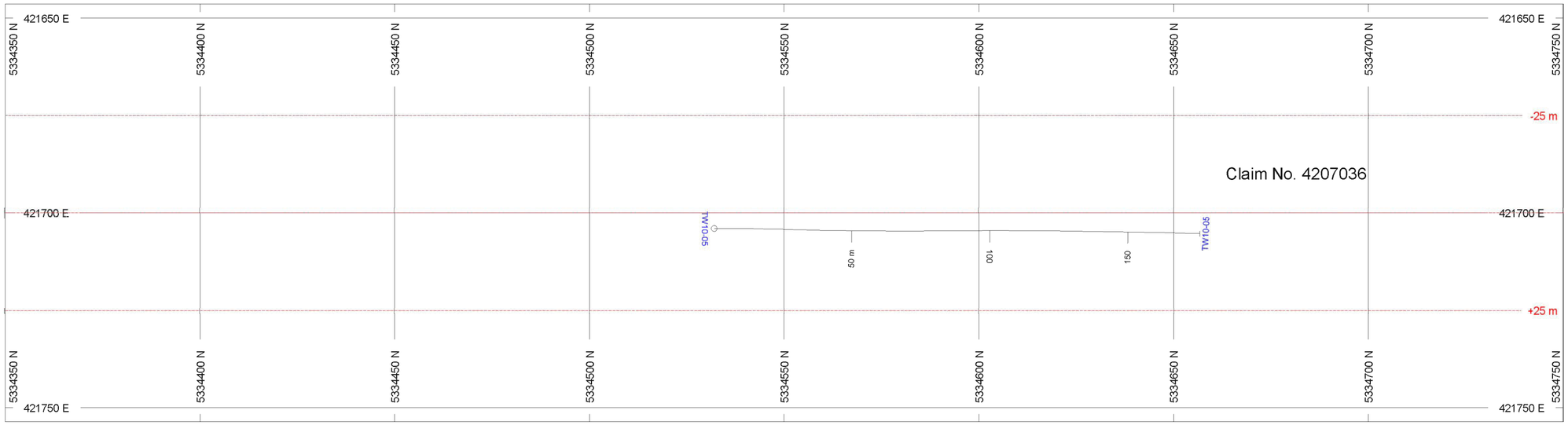
N W E S

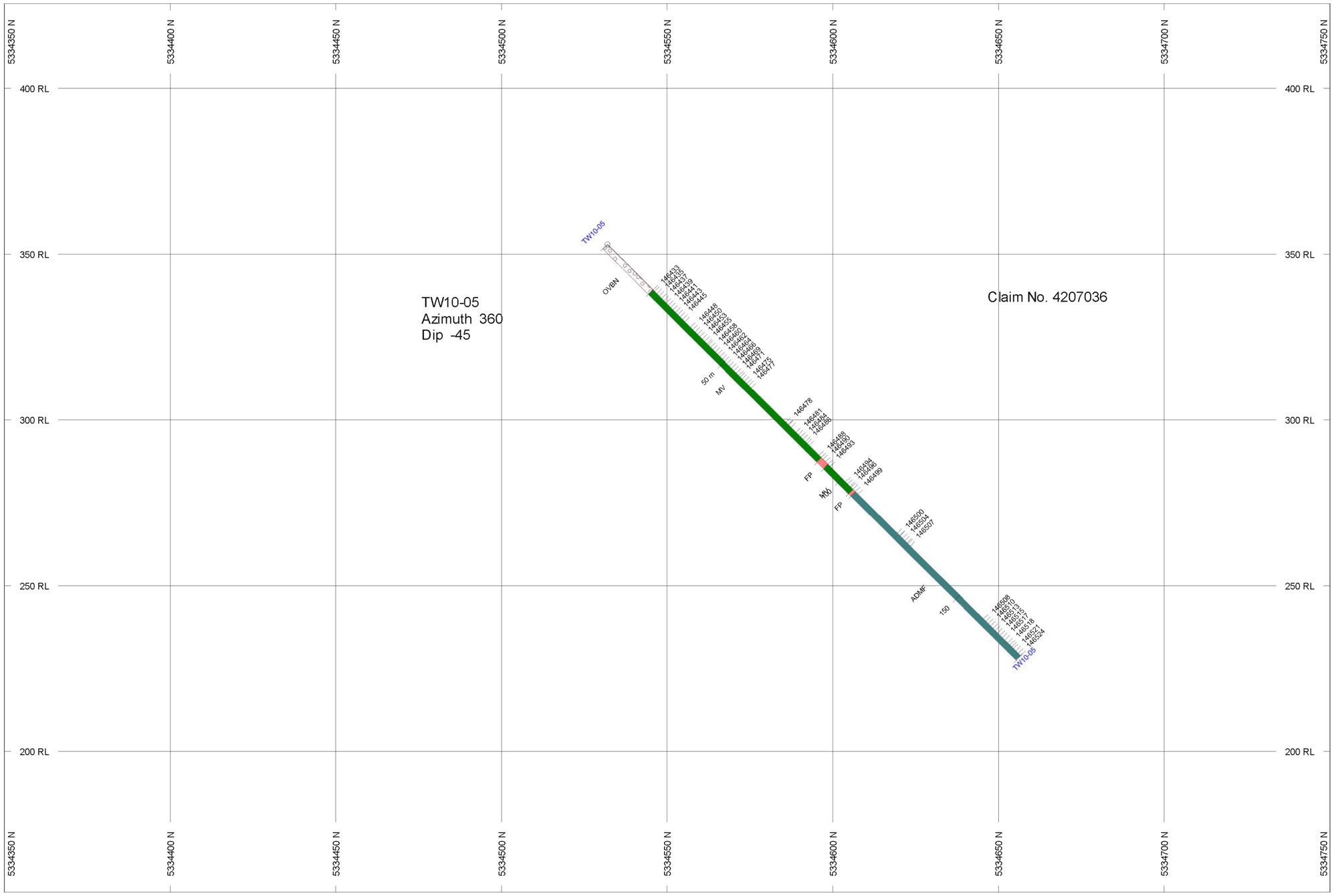
Golden Chalice Resources

Timmins West

TW10-06 Drill Section

K Montgomery





GOLDEN CHALICE RESOURCES INC

Section Looking west

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		ADMF	andesite massive flow
		FP	feldspar porphyry
		OVBN	overburden
		MV	Mafic Volcanic (undifferentiated)

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

NAD83 / UTM zone 17N

AZIMUTH = 0°

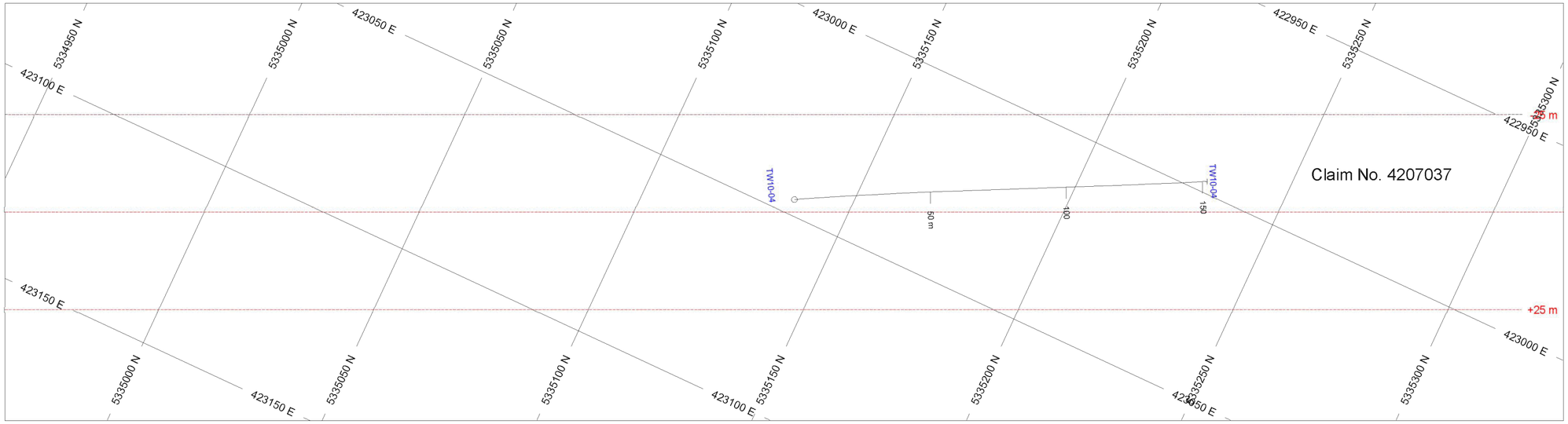
N W E S

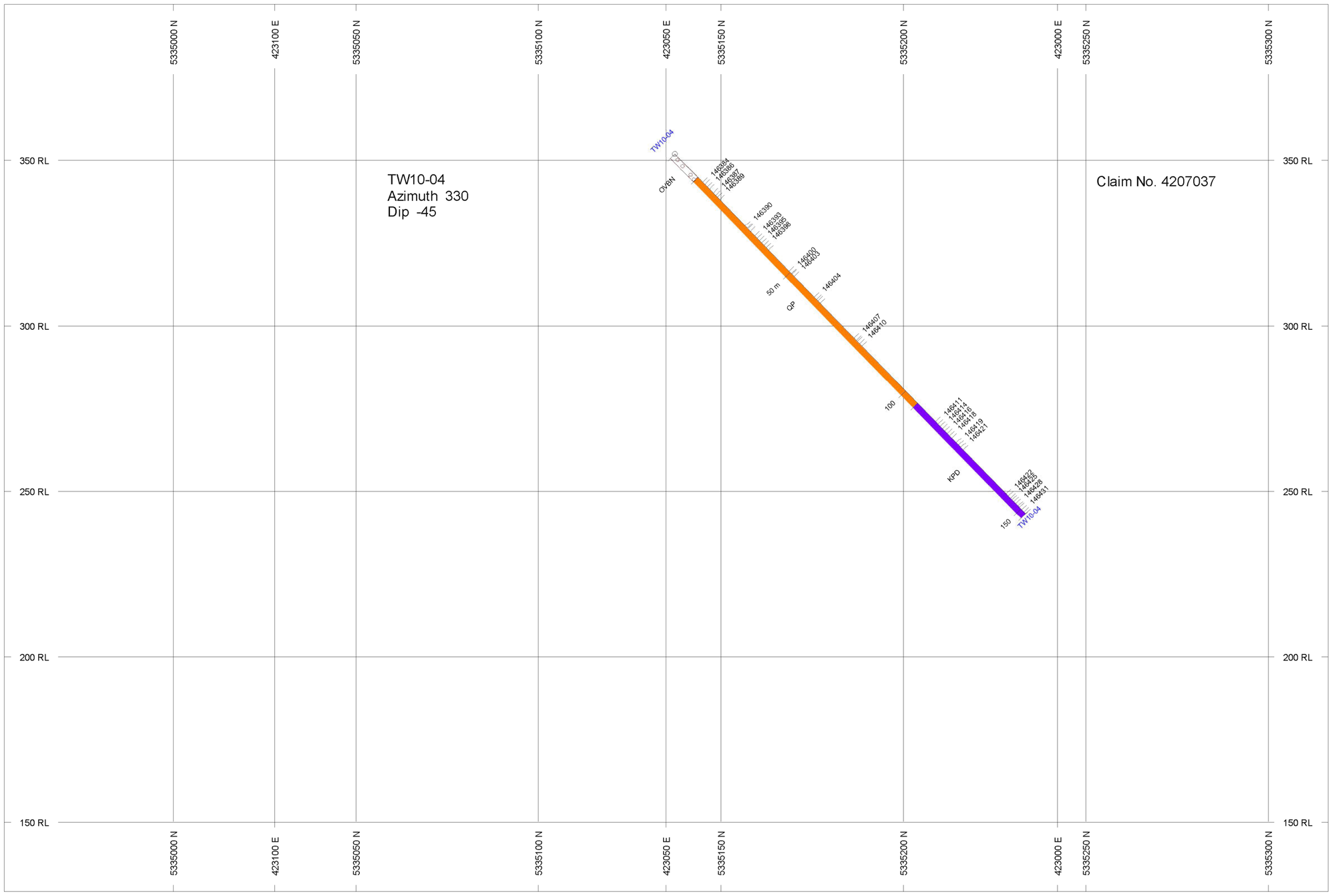
Golden Chalice Resources

Timmins West

TW10-05 Drill Section

K Montgomery





GOLDEN CHALICE RESOURCES INC

Section Looking 245 degrees

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		KPD	komatiitic peridotite
		OVBN	overburden
		QP	quartz porphyry

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

NAD83 / UTM zone 17N

AZIMUTH = 335°

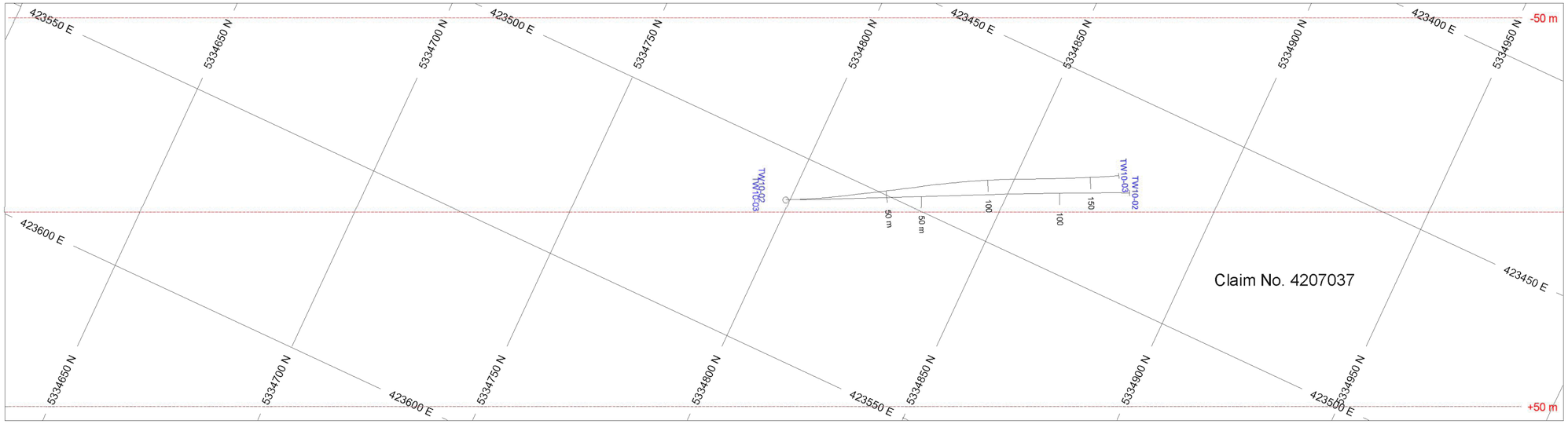
N W E S

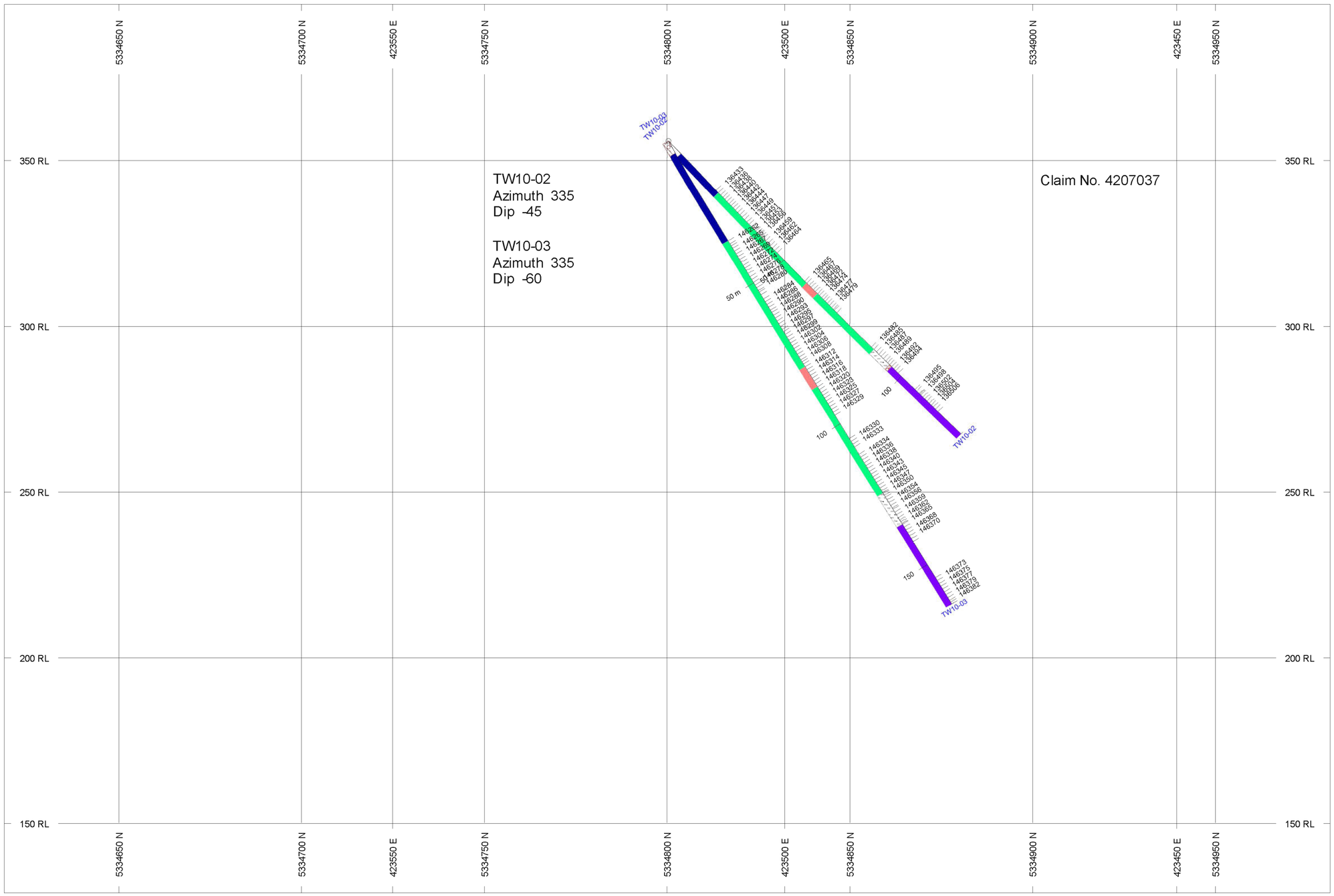
Golden Chalice Resources

Timmins West

TW10-04 Drill Section

K Montgomery





GOLDEN CHALICE RESOURCES INC

Section Looking 245 degrees

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		FP	feldspar porphyry
		GB	gabbro
		KPD	komatiitic peridotite
		OVBN	overburden
		RDT	rhyodacite ash tuff
		SC	chert
		SMSZ	semi-massive sulphide zone

POSTED TEXT	L/R	TEXT	ITEMS
Sample	R	-------	All

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

NAD83 / UTM zone 17N

AZIMUTH = 335°

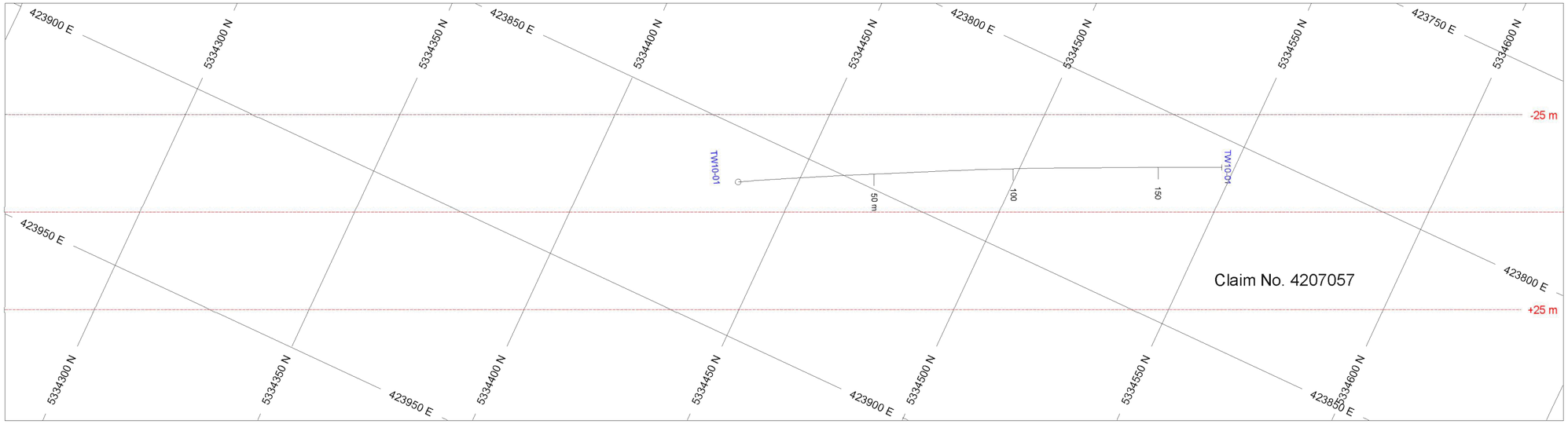
N W E S

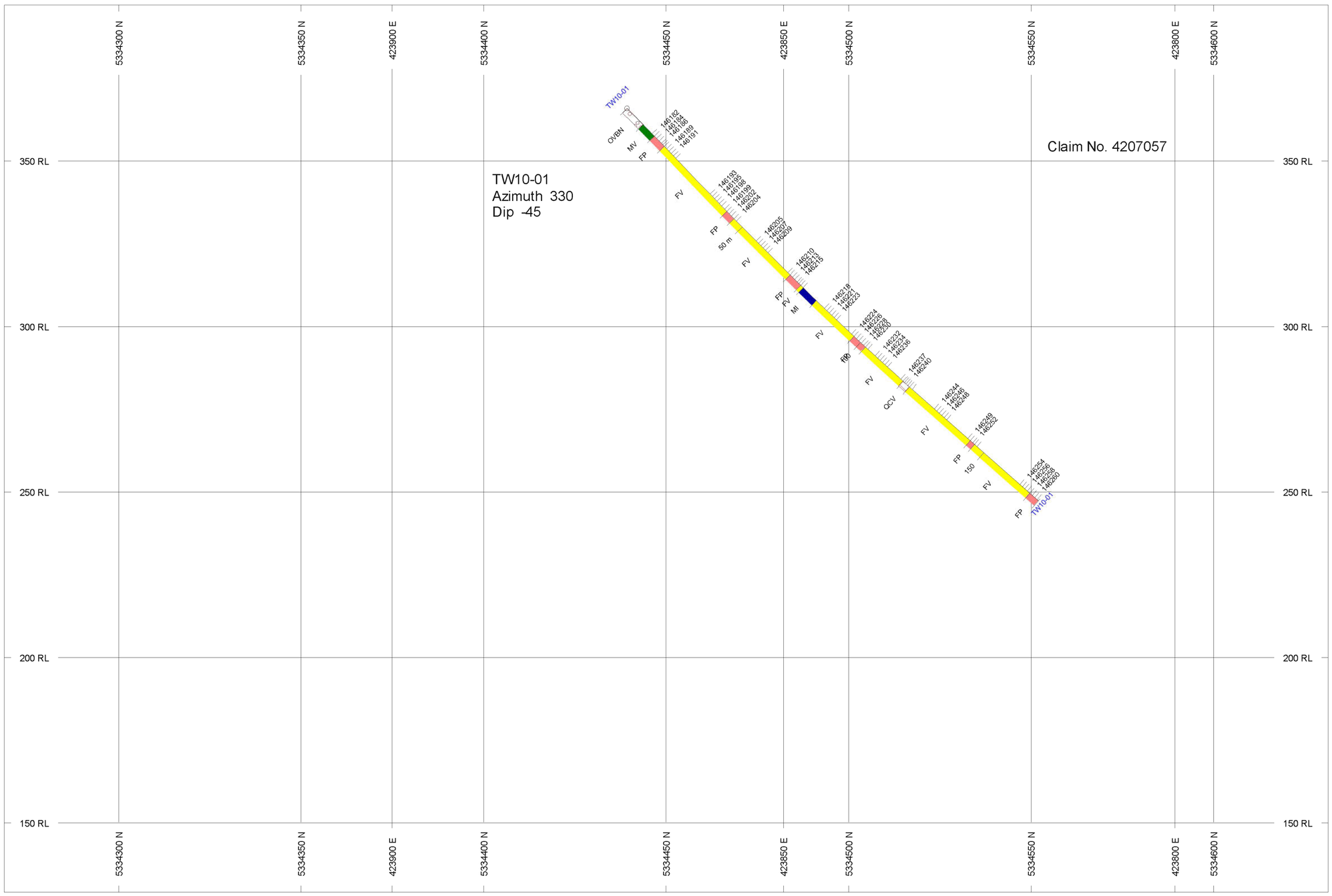
Golden Chalice Resources

Timmins West

TW-10-02 & 3 Drill Section

K Montgomery





GOLDEN CHALICE RESOURCES INC

Section Looking 240 degrees

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		FP	feldspar porphyry
		FV	felsic volcanic (undifferentiated)
		MI	mafic intrusive (undifferentiated)
		OVBN	overburden
		QCV	quartz carbonate vein
		MV	Mafic Volcanic (undifferentiated)

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

NAD83 / UTM zone 17N

AZIMUTH = 335°

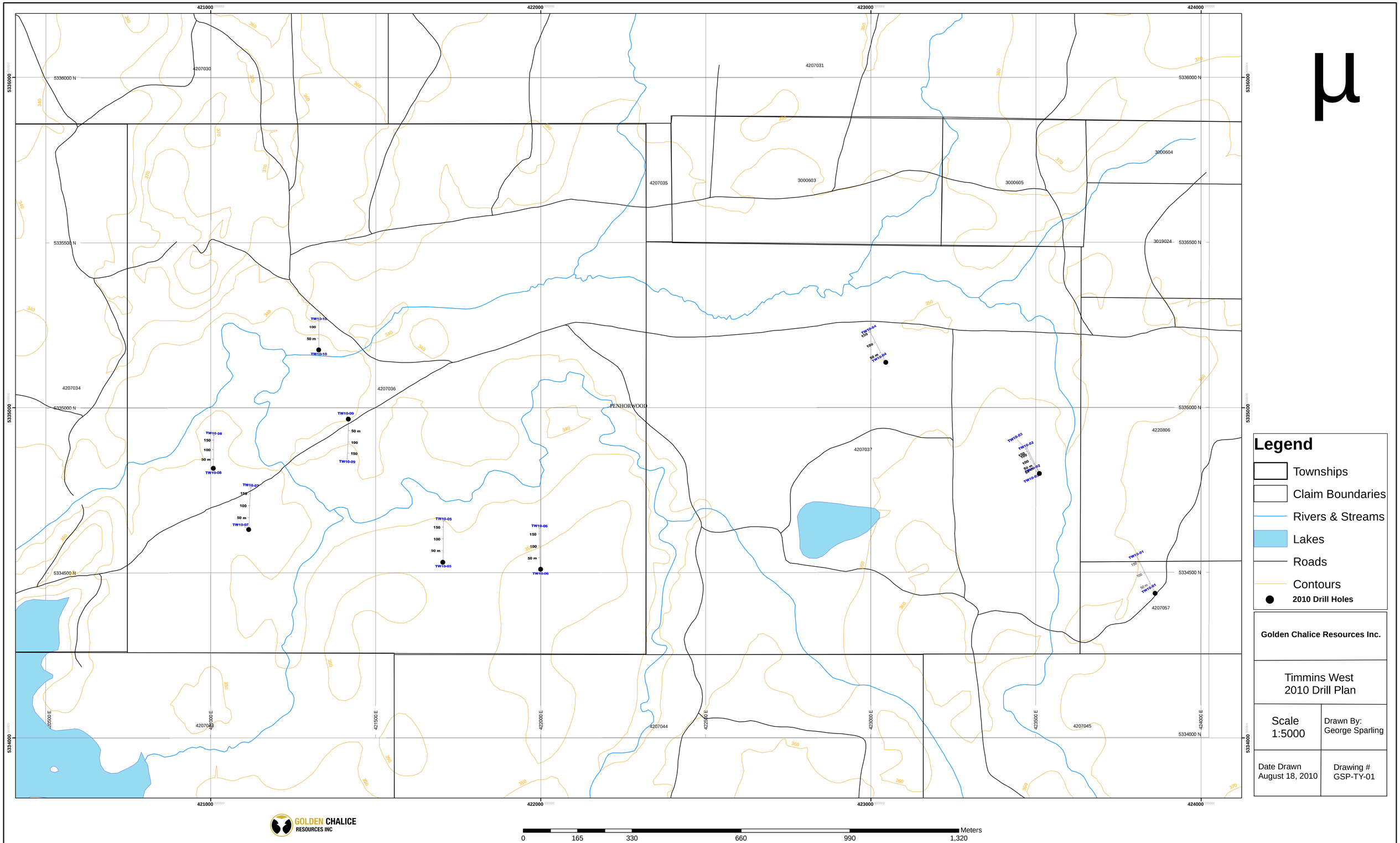
N W E S

Golden Chalice Resources

Timmins West

TW10-01 Drill Section

K Montgomery



μ

Legend

- Townships
- Claim Boundaries
- Rivers & Streams
- Lakes
- Roads
- Contours
- **2010 Drill Holes**

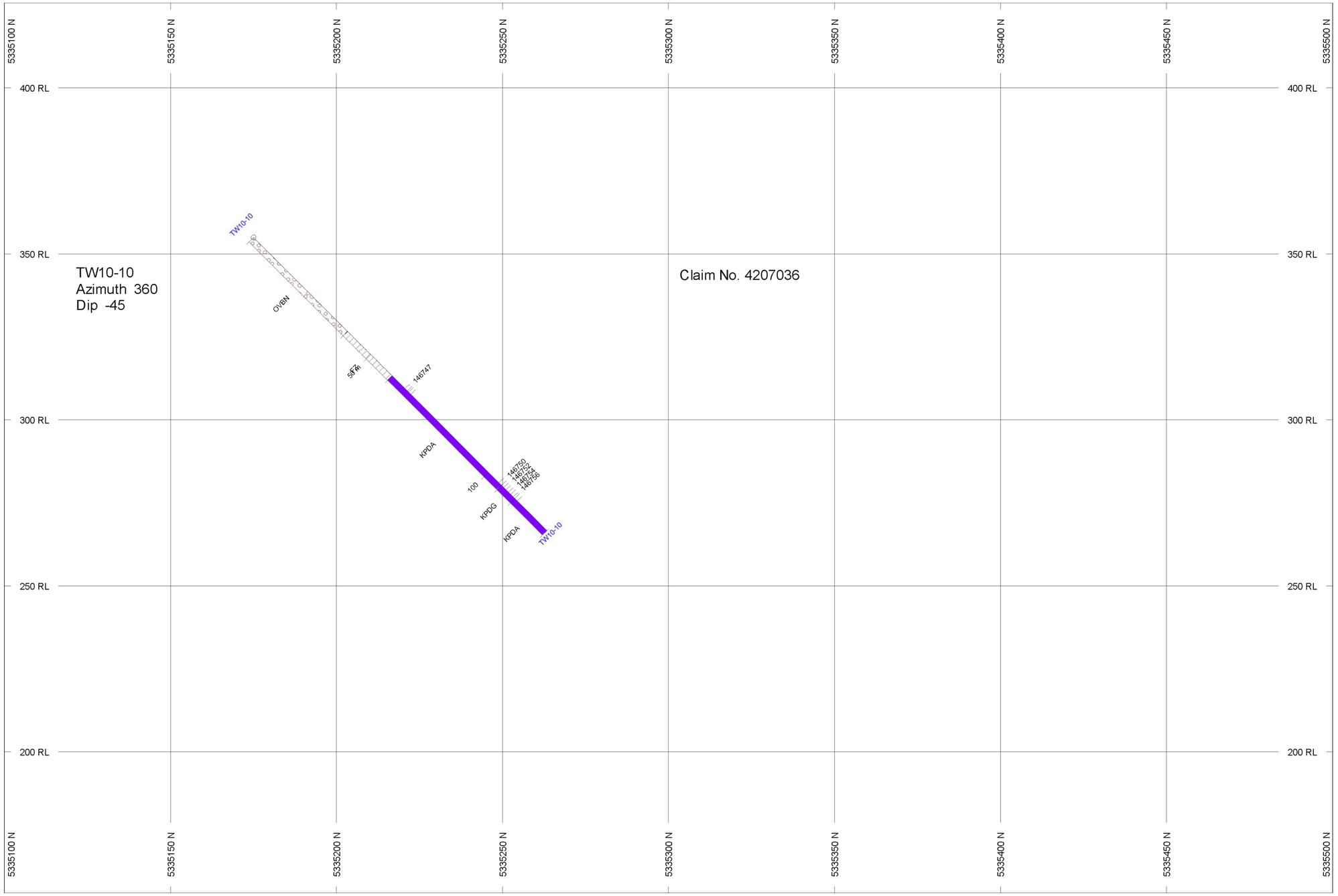
Golden Chalice Resources Inc.

Timmins West
2010 Drill Plan

Scale 1:5000	Drawn By: George Sparling
Date Drawn August 18, 2010	Drawing # GSP-TY-01

GOLDEN CHALICE RESOURCES INC

0 165 330 660 990 1,320 Meters



GOLDEN CHALICE RESOURCES INC

Section Looking west

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		FZ	fault zone
		KPDA	komatiitic peridotite adcumulate
		KPDP	komatiitic peridotite graphitic pepperite
		OVBN	overburden

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

NAD83 / UTM zone 17N

AZIMUTH = 0°

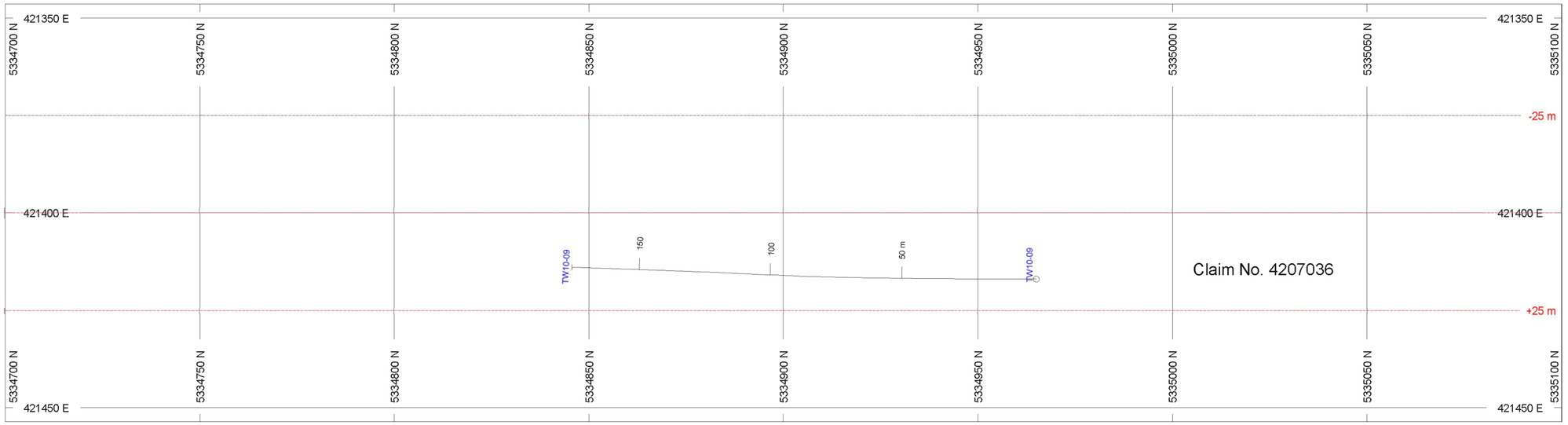
N W E S

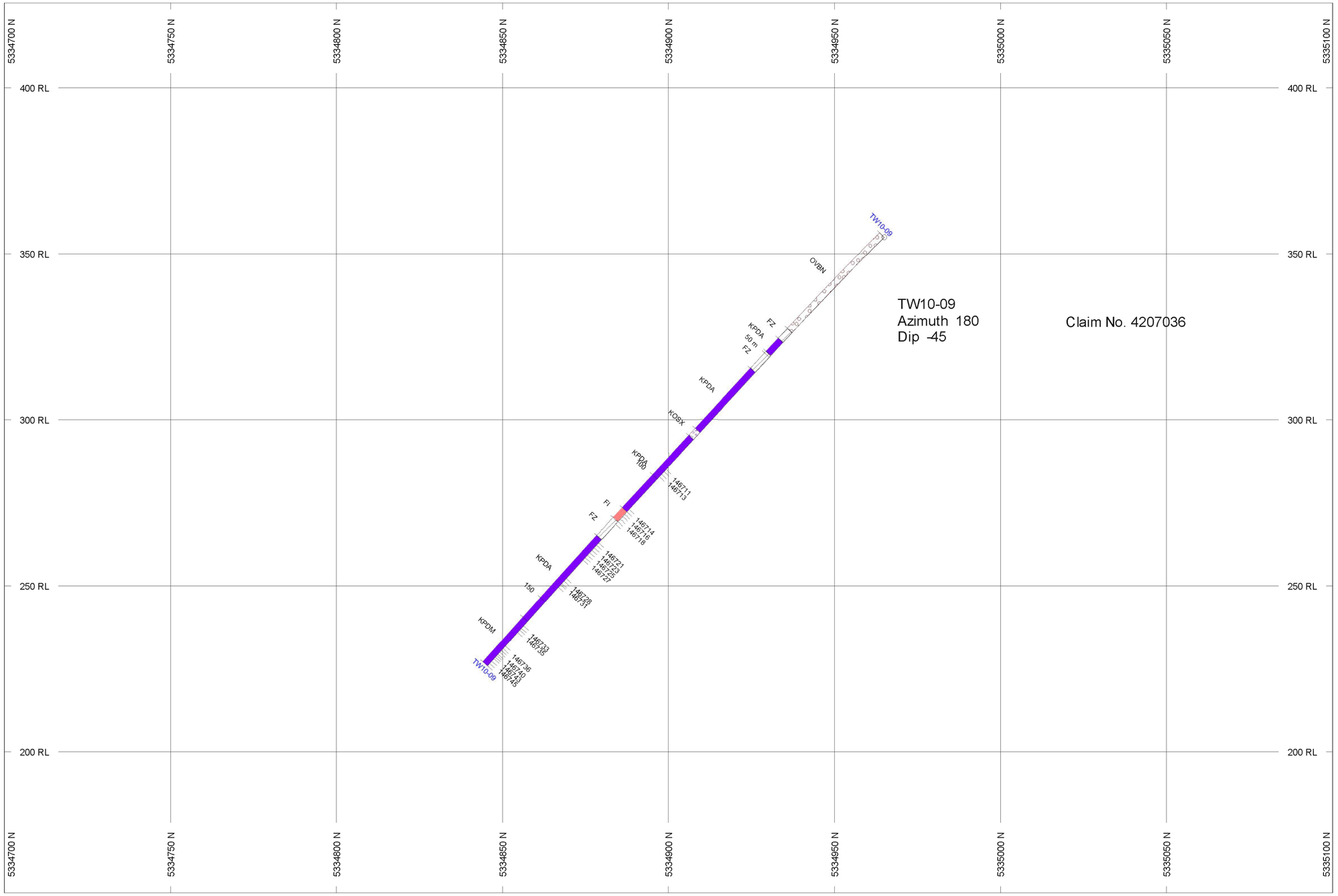
Golden Chalice Resources

Timmins West

TW10-10 Drill Section

K Montgomery





GOLDEN CHALICE RESOURCES INC

Section Looking west

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		FI	felsic intrusive (undifferentiated)
		FZ	fault zone
		KOSX	komatiitic spinifex peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDM	komatiitic peridotite mesocumulate
		OVBN	overburden

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

NAD83 / UTM zone 17N

AZIMUTH = 0°

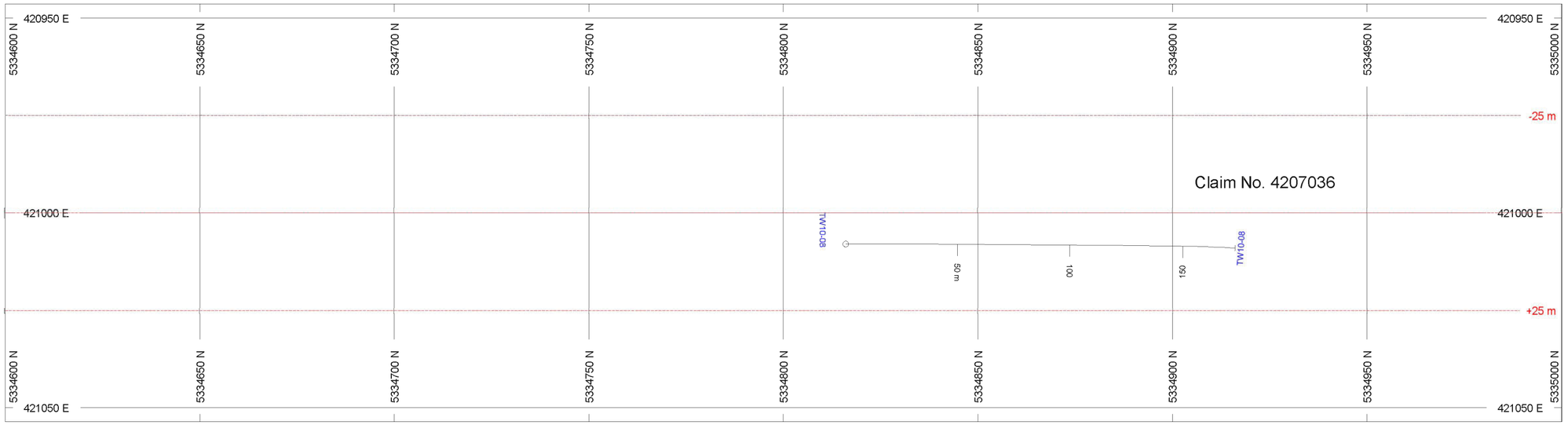
N W E S

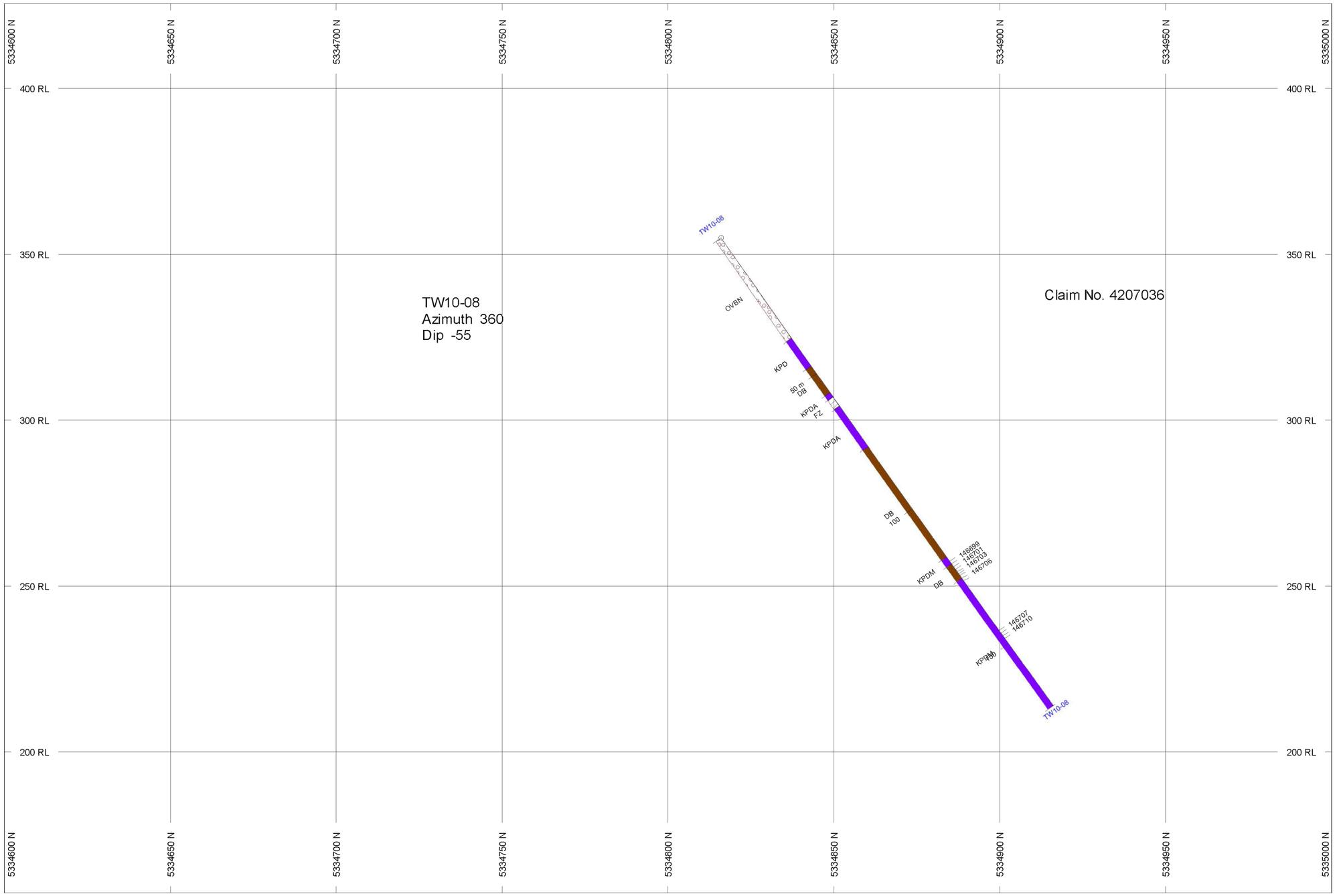
Golden Chalice Resources

Timmins West

TW10-09 Drill Section

K Montgomery





GOLDEN CHALICE RESOURCES INC

Section Looking west

ROCK CODES	PAT	LABEL	DESCRIPTION
Code		DB	diabase
		FZ	fault zone
		KPD	komatiitic peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDM	komatiitic peridotite mesocumulate
		OVBN	overburden

POSTED TEXT	L/R	TEXT	ITEMS
Code	L	-------	All
Sample	R	-------	All

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

NAD83 / UTM zone 17N

AZIMUTH = 0°

N W E S

Golden Chalice Resources

Timmins West

TW10-08 Drill Section

K Montgomery