REPORT OF THE
2007 DIAMOND DRILLING
ON THE

LANGMUIR PROPERTY
PORCUPINE MINING DIVISION,
NORTHEASTERN ONTARIO
of

NTS: 42A 6/7
December 15, 2008

J Kevin Montgomery, **P. Geo.**

SUMMARY

The Langmuir Property, held by Golden Chalice Resources Inc., is situated 30 km southwest of Timmins, Ontario. It is comprised of 74 contiguous unpatented mining claims (13,841 hectares) located along the east side of Nighthawk Lake and southern portions of Eldorado and Langmuir Townships.

Golden Chalice Resources commenced exploration on the property in 2005. An initial short drilling program of four holes totaling 528 m was completed for assessment purposes. This 2005 drilling intersected ultramafic flows and sills with sulphidic interflow sediments that were anomalous in nickel. The anomalous nickel in the sediments represented a possible sulphur source for Kambalda style nickel mineralization in the ultramafic flow statigraphy on the property. As a result of this encouragement, a detailed (75 meter flight line spacing) VTEM airborne survey was flown by Geotech over the eastern part of the Langmuir property. Processing of the EM data in early 2006 identified 18 separate airborne EM anomaly clusters as potential sulphide targets.

In 2007, a first phase of drilling designed to test the VTEM clusters was conducted. This first phase diamond drilling program consisted of eight holes totalling 2,374 metres. The drilling program tested eight of the 18 outlined airborne VTEM anomaly clusters. The sixth EM anomaly cluster drill tested returned 1.14% Nickel over 72.50 metres, including two separate heavily mineralized intervals of 2.23% Nickel (Ni), 0.22% Copper (Cu), 0.20 g/t Platinum (Pt), and 0.50 g/t Palladium (Pd) over 17.50 metres of drill core, and 1.74 % Ni, 0.12% Cu, 0.20 g/t Pt, and 0.47 g/t Pd over 13.10 metres of drill core (Drill hole GCL07-06). This nickel discovery was the first significant nickel discovery in the Timmins mining camp in over 30 years.

The discovery resulted in a significant drilling program of 37 drill holes totalling 16,262 m on claim 4203498 of the Langmuir Property. This 2007 program was successful in tracing the nickel zones from hole GCL07-06 for a strike extent of approximately 200 meters. It also defined the nickel zones to a depth of at least 250 meters below surface.

Further exploration work is recommended in the area of the Langmuir Nickel Discovery. It should consist of tighter spaced drilling to validate continuity between drill intercepts and confirm true widths of the nickel mineralization. Drilling is also recommended to determine the eastern down plunge extension of the nickel zones.

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Drill Hole Sections (in back pocket)

Sections 497200E to 497800E

INTRODUCTION

The Langmuir Property is comprised of 74 contiguous unpatented mining claims (856 units) covering approximately 13,841 hectares in Blackstock, Carman, Cody, Eldorado, Fallon, Langmuir, Macklem and Thomas Townships. The property is held 100% by Golden Chalice Resources.

This report describes the 2007 summer-winter diamond drilling program on the Langmuir Nickel Discovery area. The drilling occurred from April 24, 2007 to January 30, 2008. The co-ordination and implementation of the various technical tasks was conducted by K. Montgomery, G. Sparling and D. Bryant all of Timmins Ontario.

LOCATION AND ACCESS

The property is situated in Langmuir Township, Porcupine Mining Division, Northeastern Ontario. The centre of the property is approximately 30 km southeast of Timmins (Figure 1). It covers the eastern margin of Nighthawk Lake in Carman and Langmuir Townships and the southern portions of Langmuir and Eldorado Townships. The latitude and longitude of the property is approximately 48 20'N and 80 02' W.

The property is accessed by motor vehicle south from the village of South Porcupine via a forest access road known as Stringers Road. This road cuts through the central western portion of the property. ATV/Drill trails trend off Stringers Road and allow all terrain vehicle access to the drill sites.

PROPERTY DESCRIPTION

The Langmuir Property is comprised of 74 unpatented mining claims (861 claim units) in Blackstock, Carman, Cody, Eldorado, Fallon, Langmuir, Macklem and Thomas Townships. It is approximately 13,841 hectares in size and owned 100% by Golden Chalice Resources.

Table 1 Langmuir Property Claim Listing

Twp	Claim	Rec Date	Due Date	Work req	No. units	Size
BLACKSTOCK	4201285	2005-Nov-01	2009-Nov-01	$3,200	8	129.36
BLACKSTOCK	4201286	2005-Nov-01	2009-Nov-01	$6,400	16	258.72
BLACKSTOCK	4201287	2005-Nov-01	2009-Nov-01	$6,400	16	258.72
BLACKSTOCK	4201288	2005-Nov-01	2009-Nov-01	$6,400	16	258.72
BLACKSTOCK	4220195	2007-May-22	2009-May-22	$6,400	16	258.72
BLACKSTOCK	4220196	2007-May-22	2009-May-22	$6,400	16	258.72

CARMAN	4220198	2007-Jun-12	2009-Jun-12	$800	2	32.34
CARMAN	4220201	2007-May-22	2009-May-22	$4,400	11	177.87
CARMAN	4220204	2007-May-22	2009-May-22	$6,400	16	258.72
CARMAN	4220205	2007-May-22	2009-May-22	$6,400	16	258.72
CARMAN	4220206	2007-May-22	2009-May-22	$6,000	15	242.55
CARMAN	4220207	2007-May-22	2009-May-22	$4,800	12	194.04
CARMAN	4220208	2007-May-22	2009-May-22	$5,600	14	226.38
CARMAN	4220209	2007-May-22	2009-May-22	$4,800	12	194.04
CARMAN	4220211	2007-May-22	2009-May-22	$6,400	16	258.72
CARMAN	4220212	2007-May-22	2009-May-22	$6,400	16	258.72
CARMAN	4220213	2007-May-22	2009-May-22	$6,400	16	258.72
CARMAN	4220214	2007-May-22	2009-May-22	$6,400	16	258.72
CARMAN	4220215	2007-May-22	2009-May-22	$6,400	16	258.72
CARMAN	4220216	2007-May-22	2009-May-22	$6,400	16	258.72
ELDORADO	4201267	2006-Feb-15	2010-Feb-15	$6,400	16	258.72
ELDORADO	4201268	2006-Feb-15	2010-Feb-15	$6,400	16	258.72
ELDORADO	4201269	2006-Feb-15	2010-Feb-15	$6,400	16	258.72
ELDORADO	4201270	2006-Feb-15	2010-Feb-15	$2,400	6	97.02
ELDORADO	4201271	2006-Feb-15	2010-Feb-15	$6,000	15	242.55
ELDORADO	4201274	2006-Feb-15	2010-Feb-15	$6,400	16	258.72
ELDORADO	4201275	2005-Nov-01	2009-Nov-01	$6,400	16	258.72
FALLON	4201280	2005-Nov-01	2009-Nov-01	$1,600	4	64.68
LANGMUIR	3013180	2005-Jul-18	2009-Jul-18	$400	1	16.17
LANGMUIR	3013181	2005-Jul-18	2009-Jul-18	$400	1	16.17
LANGMUIR	3013182	2005-Jul-18	2009-Jul-18	$6,400	16	258.72
LANGMUIR	3013183	2005-Jul-18	2009-Jul-18	$6,400	16	258.72
LANGMUIR	3013184	2005-Jul-18	2009-Jul-18	$4,800	12	194.04
LANGMUIR	3013185	2005-Jul-18	2009-Jul-18	$6,400	16	258.72
LANGMUIR	3015576	2005-Jul-18	2009-Jul-18	$2,000	5	80.85
LANGMUIR	3017517	2004-May-03	2009-May-03	$1,600	4	64.68
LANGMUIR	3017518	2004-May-03	2009-May-03	$4,400	11	177.87
LANGMUIR	3018143	2005-Jul-18	2009-Jul-18	$5,200	13	210.21
LANGMUIR	4201276	2005-Nov-01	2009-Nov-01	$6,400	16	258.72
LANGMUIR	4201277	2005-Nov-01	2009-Nov-01	$4,000	10	161.7
LANGMUIR	4201278	2005-Nov-01	2009-Nov-01	$1,600	4	64.68
LANGMUIR	4201279	2005-Nov-01	2009-Nov-01	$4,000	10	161.7
LANGMUIR	4201281	2005-Nov-01	2009-Nov-01	$800	2	32.34
LANGMUIR	4201282	2005-Nov-01	2009-Nov-01	$4,000	10	161.7

LANGMUIR	4201283	2005-Nov-01	2009-Nov-01	$4,800	12	194.04
LANGMUIR	4201284	2005-Nov-01	2009-Nov-01	$4,800	12	194.04
LANGMUIR	4201289	2005-Nov-01	2009-Nov-01	$6,400	16	258.72
LANGMUIR	4201290	2005-Nov-01	2009-Nov-01	$1,600	4	64.68
LANGMUIR	4202744	2005-Jun-06	2009-Jun-06	$800	2	32.34
LANGMUIR	4202748	2005-Jul-18	2009-Jul-18	$4,400	11	177.87
LANGMUIR	4202814	2005-Jun-06	2009-Jun-06	$400	1	16.17
LANGMUIR	4202815	2005-Jun-06	2009-Jun-06	$1,600	4	64.68
LANGMUIR	4202816	2005-Jun-06	2009-Jun-06	$3,200	8	129.36
LANGMUIR	4203498	2005-Jul-18	2009-Jul-18	$3,200	8	129.36
LANGMUIR	4203563	2005-Feb-08	2010-Feb-08	$4,000	10	161.70
LANGMUIR	4203564	2005-Feb-08	2010-Feb-08	$6,000	15	242.55
LANGMUIR	4203567	2005-Feb-08	2010-Feb-08	$6,400	16	258.72
LANGMUIR	4203568	2005-Feb-08	2010-Feb-08	$3,200	8	129.36
LANGMUIR	4203569	2005-Feb-08	2010-Feb-08	$3,200	8	129.36
LANGMUIR	4203570	2005-Feb-08	2010-Feb-08	$400	1	16.17
LANGMUIR	4203571	2005-Feb-08	2010-Feb-08	$6,400	16	258.72
LANGMUIR	4207038	2005-Jul-18	2009-Jul-18	$1,600	4	64.68
LANGMUIR	4220197	2007-May-22	2009-May-22	$1,200	3	48.51
LANGMUIR	4220210	2007-May-22	2009-May-22	$4,800	12	194.04
THOMAS	4220191	2007-May-22	2009-May-22	$6,400	16	258.72
THOMAS	4220192	2007-May-22	2009-May-22	$6,400	16	258.72
THOMAS	4220193	2007-May-22	2009-May-22	$6,400	16	258.72
THOMAS	4220194	2007-May-22	2009-May-22	$6,400	16	258.72
THOMAS	4220219	2007-May-22	2009-May-22	$6,400	16	258.72
THOMAS	4220220	2007-May-22	2009-May-22	$6,400	16	258.72
CODY	4220202	2007-May-22	2009-May-22	$3,200	8	129.36
CODY	4220203	2007-May-22	2009-May-22	$6,400	16	258.72
CODY	4220217	2007-May-22	2009-May-22	$6,400	16	258.72
MACKLEM	4220218	2007-May-22	2009-May-22	$6,000	15	242.55
			TOTAL	$342,400	851	13841.52

The topography of the Langmuir Property is comprised of flat to gently rolling relief with little outcrop exposure. Vegetation consists of mixed deciduous and conifers chiefly consisting of birch, poplar, spruce and balsam. The elevation of the property is approximately 300 meters above sea level. The climate of the project area is warm and dry during the summer months from May through to September and cold and snowy from November to March. Temperatures range from +30 Celsius in the summer to -30 Celsius in the winter (Caldbick, 2007).

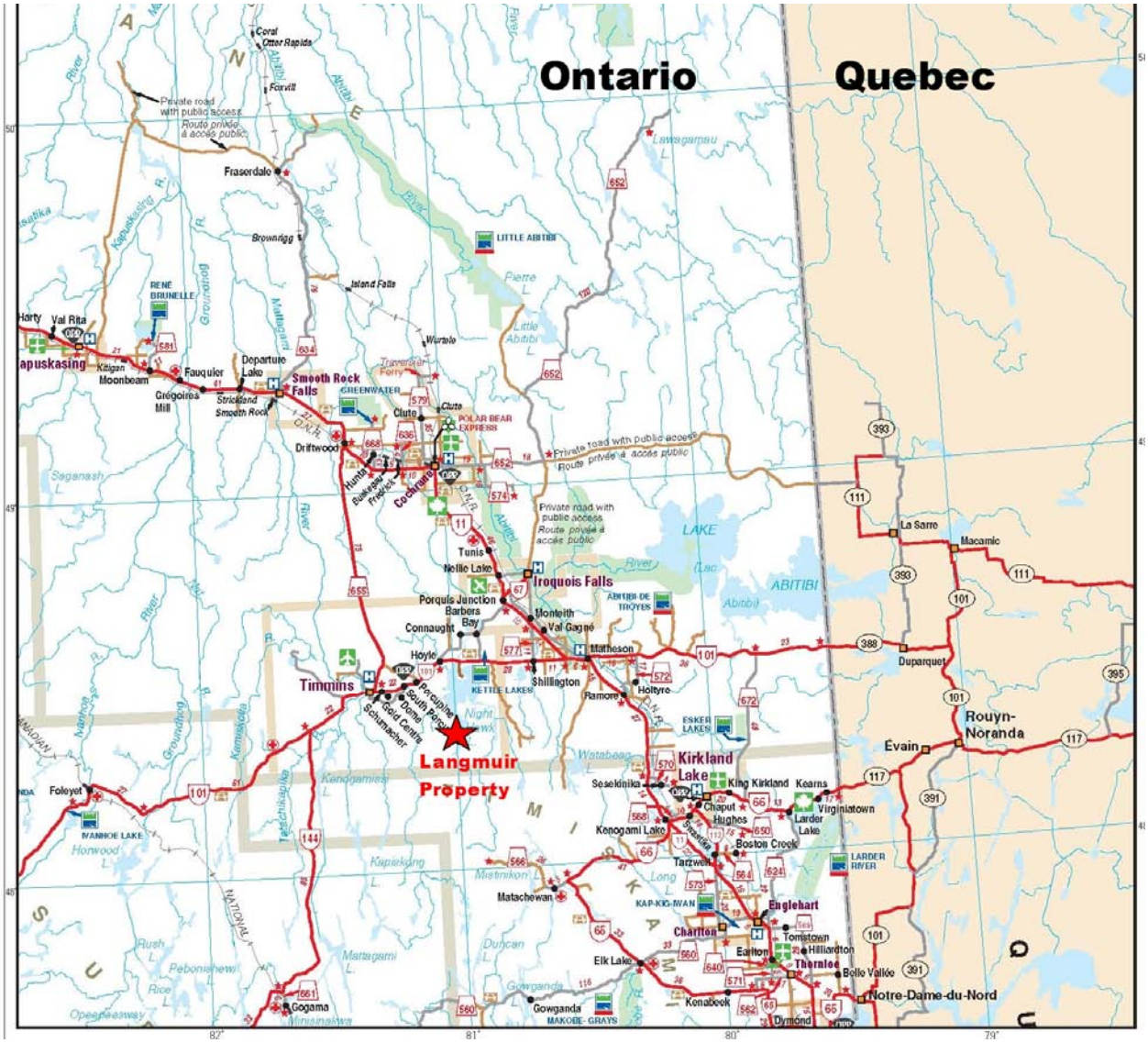

Figure 1 Location Map

GOLDEN CHALICE RESOURCES INC

REGIONAL and PROPERTY GEOLOGY

The Langmuir Property lies within the southwestern part of the Abitibi Subprovince of the Archean Superior Province. The Abitibi Subprovince or "greenstone belt" is the world's largest and best preserved example of an Archean supracrustal sequence. The Abitibi Subprovince is an assemblage of volcanic, sedimentary, and intrusive rocks deformed into a roughly east-trending, 200 km wide belt exposed from the Kapuskasing structure in Ontario to the Grenville orogen in Quebec, a distance of 400 km. The Abitibi Subprovince, compared to all other Archean Subprovinces of the Superior Province, is uniquely well endowed with metallic mineral deposits including the mining areas of Timmins (base metals and gold) Kirkland Lake (gold), Val d'Or (gold and base metals), and Noranda (base metals and gold). These mining areas are situated along major east and northeast trending deformation zones (Destor Porcupine Deformation Zone, Cadillac-Larder Deformation Zone). These were active throughout the main periods of Archean volcanism and became the focus of a late period of alkaline volcanism and sedimentation between 2680 and 2677 Ma.

Several cycles of volcanism and sedimentation are known in the southern Abitibi Subprovince. These sequences usually begin with the deposition of ultramafic flows and intrusions and tholeiitic basalts which have interflow argillaceous sediments. The cycles then typically evolve into calc-alkaline flows, pyroclastic rocks and epiclastic sedimentary rocks deposited in marine to fluvial basins. The layered stratigraphy is intruded by gabbroic to granitic plutons during and after deformation and metamorphism. Metamorphic grade varies from greenschist to lower amphibolite facies. The basal komatiitic parts of the volcanic cycles are of most interest for nickel exploration.

Within the Timmins mining camp, the early Precambrian metavolcanic rocks consist of two groups known as the Deloro and Tisdale Groups. The Deloro Group is older than the Tisdale Group and the two groups are separated from one another in Whitney and Tisdale townships by the Destor Porcupine fault (DPFZ). Here the Tisdale Group lies to the north of the DPFZ while the Deloro Group occurs to the south. The Deloro Group is a calc-alkaline volcanic sequence of andesite to basalt flows in the lower portion and dacite flows and felsic pyroclastic units in the upper portion. The Tisdale Group is composed of komatiitic ultramafics and basalts in the lower portion and overlain by a thick sequence of tholeiitic basalts. In the south, the northwest trending anticlinal Shaw dome folds the Deloro Group. The core of the Shaw Dome consists of calc-alkaline andesite and basalt and is in turn surrounded by calc-alkaline rhyodacitic tuff and iron formation. The southern portion of the Shaw dome is intruded by the Eldorado tonalite pluton. To the southeast of the Shaw dome, the lowermost formation of the younger Tisdale Group (komatiitic mafic and ultramafic volcanics) occurs as a belt in direct contact with the uppermost formations of the Deloro Group (Figure 2). It is this stratigraphic contact area that hosts five nickel deposits within Langmuir and Eldorado townships. Liberty Mines Inc mined two of the deposits, the Redstone deposit and the McWatters deposit, in 2008.

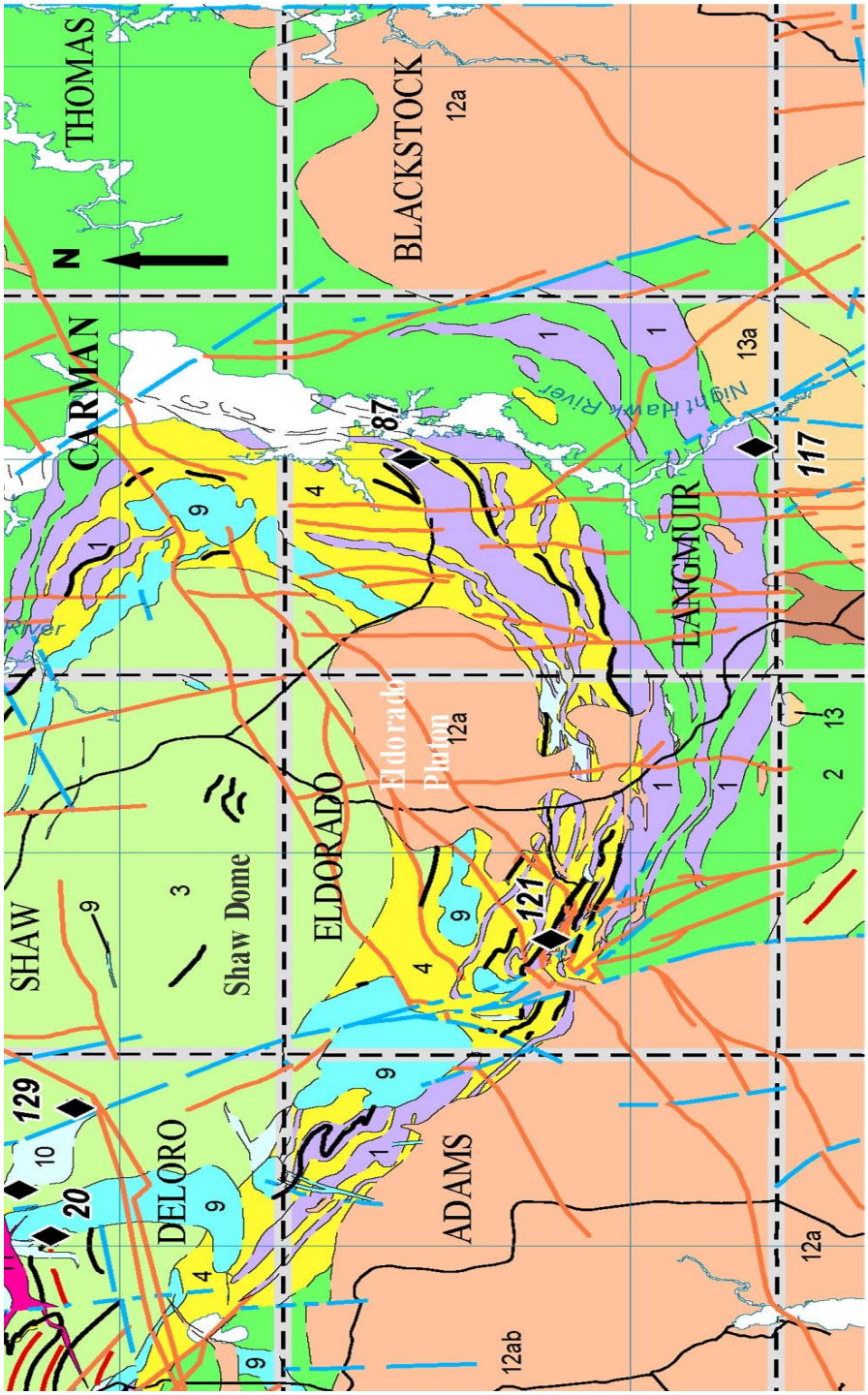

Figure 2 Southeast Timmins Regional Geology Map

The Langmuir Property is predominantly underlain by the lower formations of the Tisdale Group which consist of linear sequences of mafic volcanic units or ultramafic units. These linear sequences trend east-west in the southern portion of Eldorado and Langmuir Township and then swing north-south along the eastern halves of Langmuir and Carman Townships. The ultramafic sequences consist of mesocumulate to adcumulate peridotite flows with distinct spinifex textured flow tops. The flow tops indicate younging to the south. Graphitic argillite units are locally present between the peridotite flows. The mafic sequences consist of massive to pillowed basalt-andesite flows. The mafic-ultramafic sequences are locally intruded by north trending Matachewan diabase dykes and north-east trending Abitibi diabase dykes. Felsic intrusive bodies also intrude the sequences with the largest being a monzonite body in the southeast corner of Langmuir Township (Figure 2).

PREVIOUS EXPLORATION WORK

The Langmuir township area has received much exploration interest over the past century with more recent initiatives focused upon nickel exploration as the area is a highly prospective belt for the formation of nickel sulphide mineralization. The discovery of such nickel deposits as the Langmuir, Redstone and McWatters have further fueled increased exploration activity in the area. The amount of historical exploration activity over the past century is beyond the scope of this assessment report, however, some of the more significant past work includes substantial ground magnetometer-EM surveys and diamond drilling conducted by Noranda and its subsidiary Mining Corporation of Canada Ltd., between 1964 and 1966, the mining of the Langmuir deposit by Noranda and Inco between 1973 and 1978, airborne mag-EM surveys conducted by Mepsi Mines Ltd. and Amax Minerals in 1979 and airborne mag-EM surveys carried out in 1987 by the Ontario Geological Survey.

Golden Chalice Resources commenced exploration on the property in 2005. A ground magnetometer and HLEM survey was conducted on the property by Exploration Services Reg. during the month of March which outlined a series of prominent HLEM conductors trending east-west in the central portion of the property (Chatre, 2005). An initial short drilling program of four holes totaling 528 m was completed for assessment purposes on claim 3017518 (Caldbick, 2007). This 2005 drilling intersected ultramafic flows and sills with sulphidic interflow sediments that were anomalous in nickel. The anomalous nickel in the sediments represented a possible sulphur source for Kambalda style nickel mineralization in the ultramafic flow statigraphy on the property. As a result of this encouragement, a detailed (75 meter flight line spacing) VTEM airborne survey was flown by Geotech Limited over the eastern part of the Langmuir property (Orta, 2005). Processing of the EM data in early 2006 identified 18 separate airborne EM anomalies clusters as potential sulphide targets. These clusters consisting of two or more flight line

EM anomalies are largely covered by overburden or swamp. Ground magnetic surveys were conducted over five airborne magnetic targets as well as VLF-EM surveys over two of the five targets (Ploeger, 2006).

In 2007, a first phase of drilling designed to test the VTEM clusters was conducted. This first phase diamond drilling program consisted of eight holes totalling 2,374 metres and was completed from March 10 to May 28, 2007. The drilling program tested eight of the 18 outlined airborne VTEM anomaly clusters. Four of the VTEM conductors were the result of graphitic sediments and the fifth was likely due to a fault zone containing conductive fault gouge. The geological cause of the other three VTEM conductors was not explained by the diamond drilling (Montgomery, 2008).

On May 6, 2007 Golden Chalice Resources Inc. announced a new nickel discovery on their Langmuir Property. This nickel discovery is the first significant nickel discovery in the Timmins mining camp in over 30 years. Drill hole GCL07-06 returned 1.14% Nickel over 72.50 metres, including two separate heavily mineralized intervals of 2.23% Nickel (Ni), 0.22% Copper (Cu), 0.20 g/t Platinum (Pt), and 0.50 g/t Palladium (Pd) over 17.50 metres of drill core, and 1.74 % Ni, 0.12% Cu, 0.20 g/t Pt, and 0.47 g/t Pd over 13.10 metres of drill core. This discovery initiated a significant drilling program which is discussed in this report.

DISCUSSION OF 2007 DIAMOND DRILLING PROGRAM

A diamond drilling program of 37 drill holes totalling 16,262 m was completed on claim 4203498 of the Langmuir Property in 2007and January 2008. The drilling occurred west of the Nighthawk River and south of the Fork River (Figure 3). This drilling was carried out by Norex Drilling of Timmins from April 24 to 27, 2007 and May 29, 2007 to January 30, 2008.

Table 2 Langmuir 2007 Drill Hole List

Hole No.	GPS Easting NAD83	GPS Easting NAD83	Elevation	Length	Azimuth	Dip
GCL07-06	497521.32	5349400.85	294.91	226	319.82	-52.40
GCL07-10	497521.08	5349401.14	294.68	413	318.70	-44.80
GCL07-11	497567.07	5349340.84	294.77	401	323.72	-44.60
GCL07-12	497539.84	5349418.36	294.45	314	324.73	-46.40
GCL07-13	497540.12	5349417.98	294.48	485	323.03	-58.20
GCL07-14	497500.15	5349386.77	295.04	401	315.27	-45.20
GCL07-15	497522.04	5349363.76	294.90	500	318.50	-45.40
GCL07-16	497478.24	5349421.08	294.65	302	328.53	-45.60
GCL07-17	497479.26	5349373.02	295.24	401	322.30	-47.20
GCL07-18	497507.39	5349335.55	294.94	500	323.10	-47.00
GCL07-19	497455.85	5349404.77	295.17	356	323.40	-41.20

GCL07-20	497457.83	5349358.17	295.10	507	325.00	-46.30
GCL07-21	497612.83	5349317.97	294.66	350	322.70	-44.30
GCL07-22	497489.43	5349317.52	294.89	425	322.30	-45.10
GCL07-23	497637.90	5349367.49	294.28	410	328.60	-45.00
GCL07-24	497429.65	5349398.51	295.39	401	324.00	-44.70
GCL07-25	497613.01	5349317.80	294.60	509	322.35	-50.60
GCL07-26	497427.13	5349356.77	297.53	452	321.85	-44.30
GCL07-27	497585.20	5349355.68	294.92	350	323.40	-49.70
GCL07-28	497394.40	5349400.68	298.41	401	322.13	-44.20
GCL07-29	497633.05	5349333.62	294.68	399	326.00	-46.00
GCL07-30	497451.05	5349325.41	294.99	384	322.30	-45.80
GCL07-31	497664.68	5349290.34	294.52	446	321.30	-45.40
GCL07-32	497397.18	5349372.34	298.80	449	323.90	-44.30
GCL07-33	497605.02	5349369.36	294.57	393	324.10	-46.10
GCL07-34	497359.42	5349405.95	294.67	63	324.90	-44.60
GCL07-34A	497359.42	5349405.95	294.67	392	324.90	-44.60
GCL07-35	497669.17	5349324.33	294.38	500	328.10	-55.70
GCL07-36	497355.68	5349338.46	294.92	464	327.20	-45.20
GCL07-37	497698.84	5349411.19	291.11	500	318.70	-43.80
GCL07-38	497329.57	5349449.18	290.93	350	324.10	-48.00
GCL07-39	497666.63	5349287.66	294.53	542	319.4	-54.50
GCL07-40	497421.28	5349324.25	296.68	503	324.20	-50.2
GCL07-41	497668.63	5349324.65	294.50	551	328.38	-49.79
GCL07-43	497668.68	5349324.42	294.47	551	328.38	-61.58
GCL07-44	497777.50	5349309.52	294.23	497	319.90	-46.80
GCL08-45	497615.34	5349269.3	294.69	575	315.05	-49.46

The purpose of the drilling program was to test the strike and shallow depth potential of the nickel zones in the Langmuir Discovery hole GCL07-06. The drill holes were aligned at a general direction of 320 degrees (Map 1) in order to target the airborne VTEM anomaly conductor axis. All the drill hole casings of the program were left in the ground. As a consequence, GPS surveying of all the drill hole collar locations was completed by Talbot Surveying of Timmins, Ontario (Map 2). In addition, the casings were surveyed to determine accurately the initial dips and direction of the holes (see Table 2).

The 2007 drilling program encountered east-west trending perridotite flows with good spinifex flow tops and associated thin graphitic argillite interflow units. The perridotite flows are typically black, fine-grained, soft, weak to moderately serpentinized and typically have adcumulate to mesocumulate textures. Detailed examinations of the spinifex flow top sequences and flow morphologies indicate a southward younging direction. The peridotite flows range from 5 to 50 metres thick and are near vertical to steeply dipping 80 degrees to the north. Along the southern margin of the drilling area, a pink medium grained hornblende rich (5-10%) granodiorite intrusive was encountered. It is thought that this

intrusive may represent an east-west dyke; however more drilling is required for confirmation. The perridotite flows in the vicinity of the granodiorite are strongly brecciated and often contain graphite. These brecciated flows were labelled “komatiitic peridotite breccias” in the logs. Smaller felsic to intermediate, feldspar porphyry, mafic, and gabbro dykes or sills intrude the perridotite flows locally.

The nickel zones of the Langmuir Nickel discovery occur within specific peridotitic komatiitic flow units (Figure 4). Nickel mineralization consists of disseminated, fracture filling, and blebs of pentlandite with lesser pyrrhotite. Higher values of up to 5.7% nickel occur when sulphide concentrations increase to 30 or 35%. Sulphide mineralization encountered in the drill holes was sampled and sent for analysis to Laboratoire Expert Inc. in Rouyn-Noranda, Quebec. The assays are however not being filed with this assessment report.

Detail drill logs are found in Appendix A. As a result of the east-west trend of the ultramafic volcanic stratigraphy, drill hole sections have been constructed in a north-south orientation and looking west. They are based on the NAD 83 GPS co-ordinate system and are spaced 50 m apart. Sections 497200E to 497800E are found in the map pockets at the back of this report. The drill hole sections stretch from 5349050 to 5349950N and are at a scale of 1:1000.

The drill core from the drilling program is currently stored at the Hastings Management core storage facility on Airport Road, in Timmins, Ontario.

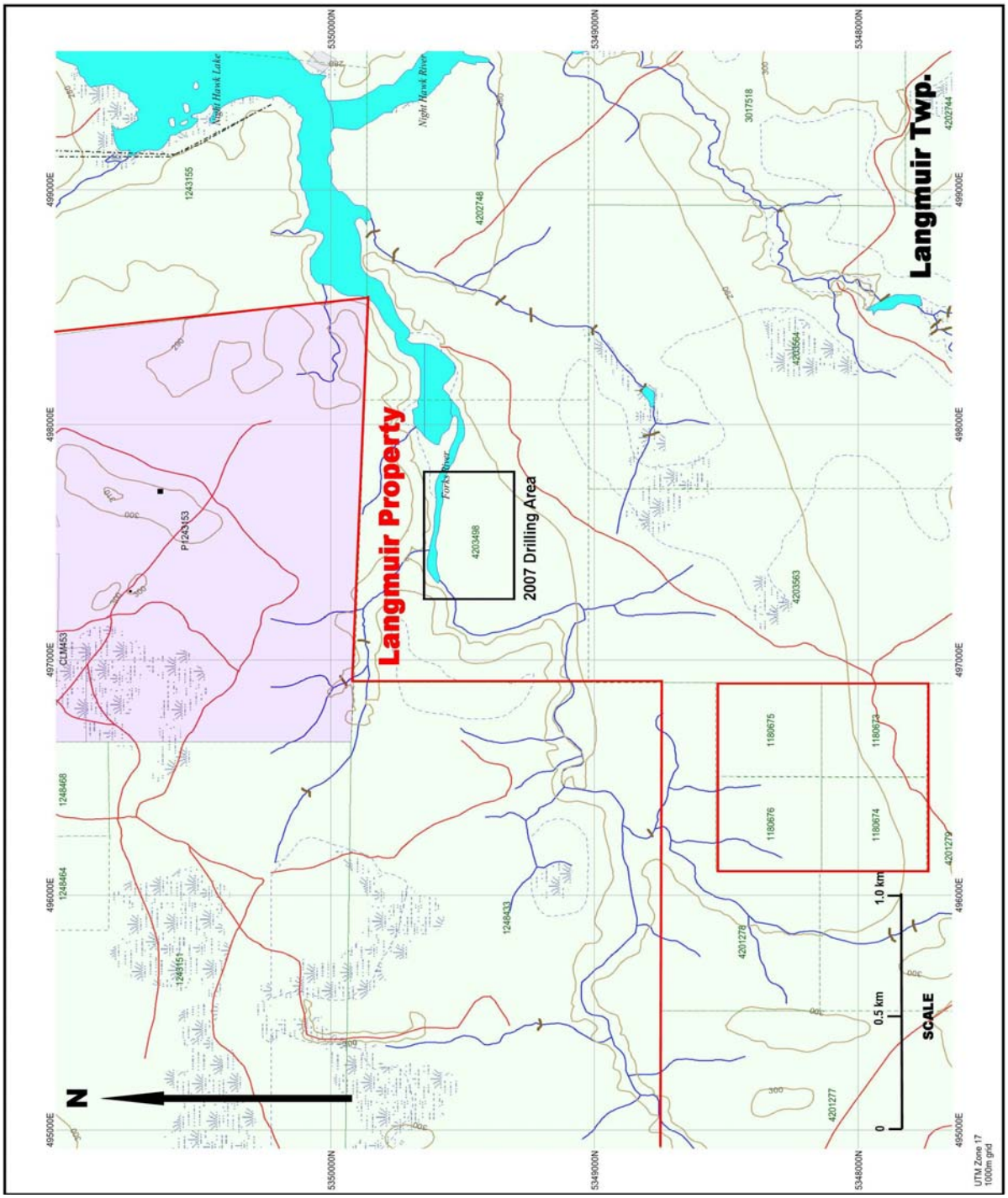

Figure 3 Drilling Location Map

GOLDEN CHALICE RESOURCES INC

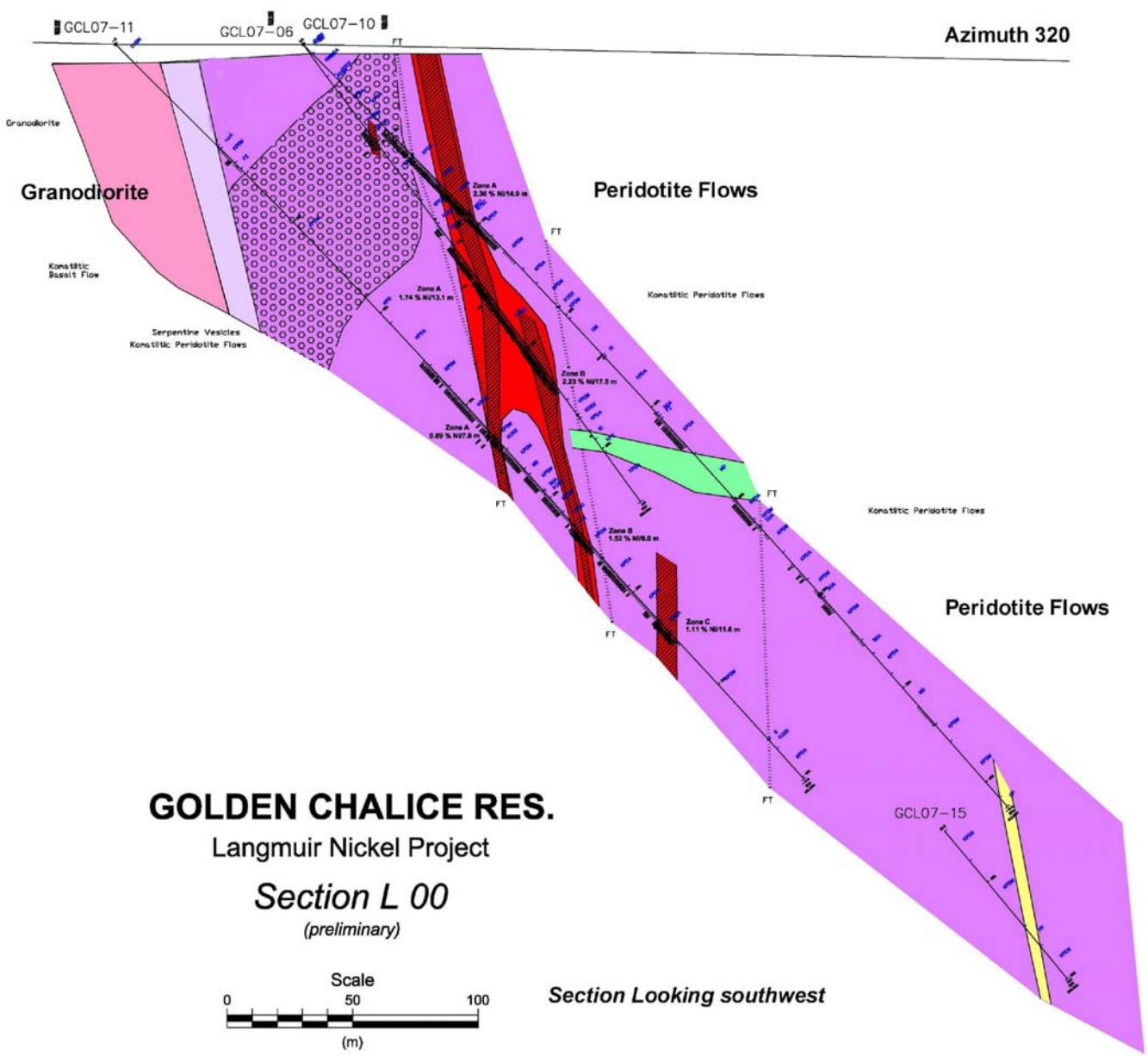

Figure 4 General Preliminary Langmuir Ni Discovery Section

CONCLUSION AND RECOMMENDATIONS

The 2007 summer to winter diamond drilling program was focussed on the Langmuir discovery area around drill hole GCL07-06 that returned 1.14% Nickel over 72.50 metres. The program was successful in tracing the nickel zones from hole GCL07-06 for a strike extent of approximately 200 meters. It also defined the nickel zones to a depth of at least 250 meters below surface. In addition, nickel mineralization has been intersected at approximately 375 meters vertically below surface on the eastern down plunge extent.

It is recommended that the next phase of drilling on the discovery area consist of tighter spaced drilling, to validate continuity between drill intercepts and confirm true widths of the mineralization. This should be done from north to south but may be restricted due to topography. Drilling is also recommended to determine the eastern down plunge extension of the nickel zones.

The 2007 spring diamond drilling program tested eight of the 18 outlined airborne VTEM anomaly clusters, on the Langmuir Property (Montgomery, 2008). There are ten more VTEM airborne anomaly clusters on the Langmuir Property that cannot be explained by surface geology. These should definitely be drilled in light of the nickel discovery on the property.

REFERENCES

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Orta, M.
2005 Report on a Helicopter-borne Time Domain Electromagnetic Geophysical Survey, Langmuir Property for Golden Chalice Resources by Geotech Limited.

Ploeger, J.
2006 Golden Chalice Resources Total Field magnetometer and VLF EM surveys over the Langmuir Targets, Langmuir Township, Ontario.

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. I am also a member of the Prospectors and Developers Association of Canada, and the Porcupine Prospectors and Developers Association.

(4) This report is based on my supervision and logging of drill holes on the Langmuir Property in 2007.

(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.

Dated at Timmins, Ontario
This 10th day of December, 2008.

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

APPENDIX A DRILL HOLE LOGS

APPENDIX B DRILL SECTION ROCK CODES

LANGMUIR PROJECT GEOLOGY LEGEND

OVBN "OVERBURDEN"
EOH "END OF HOLE"

FV "FELSIC VOLCANIC (UNDIFFERENTIATED)"
FT "FELSIC TUFF"
RH "RHYOLITE"
RHT "RHYOLITE ASH TUFF"
RHLT "RHYOLITE LAPILLI TUFF"
RHXT "RHYOLITE CRYSTAL TUFF"
RHBX "RHYOLITE PYROCLASTIC BRECCIA/BLOCK TUFF
RHB "RHYOLITE BRECCIA TECTONIC
RHS "RHYOLITE SHEARED
RHAM "RHYOLITE AMYGDALOIDAL FLOW"
RHP "RHYOLITE PILLOWED FLOW"
RHMF "RHYOLITE MASSIVE FLOW
RHV "RHYOLITE VARIOLITIC FLOW"

RHAG "RHYOLITE AGGLOMERATE/BOMB TUFF"
RD "RHYODACITE"
RDT "RHYODACITE ASH TUFF"
RDLT "RHYODACITE LAPILLI TUFF"
RDXT "RHYODACITE CRYSTAL TUFF"
RDAG "RHYODACITE AGGLOMERATE/BOMB TUFF"
RDBX "RHYODACITE PYROCLASTIC BRECCIA/BLOCK TUFF"
RDB "RHYODACITE BRECCIA TECTONIC"
RDS "RHYODACITE SHEARED"
RDAM "RHYODACITE AMYGDALOIDAL"
RDP "RHYODACITE PILLOWED"
RDMF "RHYODACITE MASSIVE FLOW"
RDV "RHYODACITE VARIOLITIC"

IV "INTERMEDIATE VOLCANIC (UNDIFFERENTIATED)"
DA "DACITE"
DAT "DACITE ASH TUFF"
DALT "DACITE LAPILLI TUFF"
DAXT "DACITE CRYSTAL TUFF"
DAAG "DACITE AGGLOMERATE/BOMB TUFF"
DABX "DACITE PYROCLASTIC BRECCIA/BLOCK TUFF"
DAB "DACITE BRECCIA TECTONIC"
DAS "DACITE SHEARED"
DAAM "DACITE AMYGDALOIDAL"
DAP "DACITE PILLOWED"
DAMF "DACITE MASSIVE FLOW"
DAV "DACITE VARIOLITIC"

AD "ANDESITE"
ADT "ANDESITE ASH TUFF"
ADLT "ANDESITE LAPILLI TUFF"

ADXT "ANDESITE CRYSTAL TUFF"
ADAG "ANDESITE AGGLOMERATE/BOMB TUFF"
ADBX "ANDESITE PYROCLASTIC BRECCIA /BLOCK TUFF"
ADB "ANDESITE BRECCIA TECTONIC"
ADS "ANDESITE SHEARED"
ADAM "ANDESITE AMYGDALOIDAL"
ADP "ANDESITE PILLOWED"
ADMF "ANDESITE MASSIVE FLOW"
ADV "ANDESITE VARIOLITIC"

MV "MAFIC VOLCANIC (UNDIFFERENTIATED)"
BA "BASALT"
BAM "BASALT MASSIVE"
BABX "BASALT PYROCLASTIC BRECCIA/BLOCK TUFF"
BAB "BASALT BRECCIA TECTONIC"
BAS "BASALT SHEARED"
BAAM "BASALT AMYGDALOIDAL"
BAP "BASALT PILLOWED"
BAMF "BASALT MASSIVE FLOW"
BAV "BASALT VARIOLITIC"
BAZ "SULPHIDIC BASALT"
BAPH "PORPHYRITIC BASALT"
BAPX "PORPHYRITIC XENOLITHIC BASALT"
BAX "XENOLITHIC BASALT"
BGX "XENOLITHIC BASALT/GABBRO"

UM "ULTRAMAFIC KOMATIITIC VOLCANIC (UNDIFFERENTIATED)"
KPD "KOMATIITIC PERIDOTITE"
KPDA "KOMATIITIC PERIDOTITE ADCUMULATE"
KPDM "KOMATIITIC PERIDOTITE MESOCUMULATE"
KPDO "KOMATIITIC PERIDOTITE ORTHOCUMULATE"
KPDP "KOMATIITIC PERIDOTITE GRAPHITIC PEPPERITE"
KPDG "KOMATIITIC PERIDOTITE GRAPHITIC"
KOSX "KOMATIITIC SPINIFEX PERIDOTITE"
KPDB "KOMATIITIC PERIDOTITE BRECCIA"
KPDS "KOMATIITIC PERIDOTITE SHEARED"
KPDY "KOMATIITIC PERIDOTITE AMYGDALOIDAL"

KPX "KOMATIITIC PYROXENITE"
KPXA "KOMATIITIC PYROXENITE ADCUMULATE"
KPXM "KOMATIITIC PYROXENITE MESOCUMULATE"
KPXO "KOMATIITIC PYROXENITE ORTHOCUMULATE"
KPXP "KOMATIITIC PYROXENITE GRAPHITIC PEPPERITE"
KPXG "KOMATIITIC PYROXENITE GRAPHITIC"
KPSX "KOMATIITIC SPINIFEX PYROXENITE"
KPXS "KOMATIITIC PYROXENITE SHEARED"

KDU "KOMATIITIC DUNITE"
KBA "KOMATIITIC BASALT"
KBAG "KOMATIITIC BASALT GRAPHITIC"

KPDZ	“SULPHIDIC KOMATIITIC PERIDOTITE”
KPXZ	“SULPHIDIC KOMATIITIC PYROXENITE”
S	“SEDIMENT (UNDIFFERENTIATED)”
SG	“GREYWACKE”
SS	“SILTSTONE”
SM	“MUDSTONE”
SA	“ARGILLITE”
SGA	“GRAPHITIC ARGILLITE”
SGAB	“BRECCIATED GRAPHITIC ARGILLITE”
SD	“SANDSTONE”
SQ	“QUARTZITE”
SAK	“ARKOSE”
SC	“CHERT”
SCB	“CHERT BRECCIA”
SLM	“LIMESTONE”
IF	“IRON FORMATION”
SCG	“CONGLOMERATE”
FI	“FELSIC INTRUSIVE (UNDIFFERENTIATED)”
GR	“GRANITE”
GD	”GRANODIORITE”
TR	”TRONDHJEMITE”
TN	”TONALITE”
QM	”QUARTZ MONZONITE”
M	”MONZONITE”
QSY	”QUARTZ SYENITE”
SY	”SYENITE”
QP	”QUARTZ PORPHYRY”
FP	”FELDSPAR PORPHYRY”
QFP	”QUARTZ FELDSPAR PORPHYRY”
MI	”MAFIC INTRUSIVE (UNDIFFERENTIATED)”
MD	”MAFIC DYKE”
ID	”INTERMEDIATE DYKE”
MIDI	"MAFIC TO INTERMEDIATE INTRUSIVE"
GB	”GABBRO”
GBX	"XENOLITHIC GABBRO"
GBZX	"SULHIDIC XENOLITHIC GABBRO"
GBL	"LEUCO GABBRO"
GBLA	"ALTERED LEUCO-GABBRO"
GBME	"MESOCRATIC GABBRO"
GBML	"MELANOCRATIC GABBRO"
GBA	"ALBITIZED GABBRO"
GBF	"FELDSPATHIC GABBRO"
GBZ	"SULPHIDIC GABBRO"
GBP	"PEGMATITIC GABBRO"
QGB	”QUARTZ GABBRO”

DI	”DIORITE”
QDI	”QUARTZ DIORITE”
AN	”ANORTHOSITE”
PD	”PERIDOTITE”
PX	”PYROXENITE”
LAMP	”LAMPROPHYRE”
KB	”KIMBERLITE”
DB	”DIABASE’
FZ	”FAULT ZONE”
GZ	”GRAPHITE ZONE”
MSZ	”MASSIVE SULPHIDE ZONE”
MSPY	”MASSIVE PYRITE ZONE”
SMSZ	”SEMI-MASSIVE SULPHIDE ZONE”
NTSZ	”NET TEXTURED SULPHIDE ZONE”
QV	“QUARTZ VEIN”
QCV	“QUARTZ CARBONATE VEIN”
CAV	“CALCITE VEIN”

APPENDIX C SUMMARY OF EXPENDITURES

Golden Chalice Resources
Langmuir Twp. Drilling Program
Porcupine Mining Division
April 24, 2007 to December 10, 2008

Senior Geologist	$ 67,698.75
Contract Geologist	$ 49,861.35
Senior Geological Technician	$ 50,872.50
Core Shack Rental (7 months)	$ 20,140.00
Core Storage	$ 16,364.81
Office Support	$ 1,591.93
Core Drilling	$1,014,920.70
Drill Hole Location Surveying	$ 4,198.13
Exploration Supplies	$ 18,396.00
Vehicle Expenditures	$ 31,237.50
Report Maps	$ 1,890.00
Report Writing	$ 3,150.00
	TOTAL $ 1,280,321.67

Certified by: *Kevin Montgomery*

Date: *December 10, 2008*

Note: This certificate has been constructed from the Detailed Cost Accounting Ledgers of Golden Chalice Resources.

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349310.00
Easting:	497777.50
Elevation:	294.23
Collar Azi.:	319.9
Collar Dip:	-46.8
Hole length:	497.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	S. Beauchamp
Date(s) logged:	January 7, 2008
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
23	321.6	-44.5
74	321.8	-44.4
125	321.9	-44.4
176	321.8	-44.2
227	321.8	-44.3
278	321.9	-44.2
329	320.8	-44.3
380	321.4	-44.9
431	325.7	-44.8
491	323.5	-44.9

Drill Hole:	GCL7-44
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	125S
Easting:	150E
GPS Northing:	5349309.52
GPS Easting:	497777.5
Date Started:	December 5, 2007
Date completed:	January 15, 2008
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	10.90	OVERBURDEN															
		12m Of NW Casing.															
10.90	165.90	GRANODIORITE															
		Felsic matrix light grey, medium grained, massive.															
		15% very fine black amphibole, 15% phenocrysts of															
		white plagioclase up to 5mm.															
		Hardness >5. None to slight calcite alteration.															
		0.5% barren white calcite / quartz carbonate															
		stringers <1mm, occasionally up to 5mm, with.															
		Various angles. Non magnetic, trace cubic pyrite up															
		to 1mm, occasionally up to 5mm, disseminated															
		throughout.															
		10.90 30.00 RQD 60. Weak fracturing generally 30-60															
		degrees.															
		30.00 60.00 RQD 90.															
		60.00 90.00 RQD 70.															
		13.90 14.50 Orange pink, very weakly feldspathized,															
		with 1% quartz carbonate / calcite															
		<0.5mm, generally 30 degrees, chlorite															
		on fractures.															
		RQD 60.															
		62.00 74.00 Very weakly bleached and silicified, 2%															
		glassy quartz carbonate fracture															
		fillings, 40-75 degrees.															

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(%) %
		64.90 65.30 White, barren quartz carbonate 75 degrees.															
		68.50 69.20 White, barren quartz carbonate 75 degrees.															
		74.00 124.00 5% 1-2cm white quartz carbonate, 35-75 degrees, weak alteration halos.															
		Trace to locally 0.5% pyrite as very fine specks and cubes up to 8mm, disseminated throughout wall rock.															
		84.50 85.50 RQD 60, with chlorite on fractures, generally 70 degrees.															
		90.00 103.00 RQD 90.															
		103.00 103.40 Fault Zone; RQD 0, 2% chloritic gouge on fractures, 5-35 degrees.															
		103.40 113.30 RQD 90.															
		113.30 115.00 RQD 60, fractures generally 55 & 20 degrees, +/- 1% chloritic gouge, slightly bleached throughout.															
		119.50 122.00 Slightly bleached, 5% quartz carbonate stringers 1-2cm wide, generally 35-60 degrees. 2% anhedral blebs and cubes of pyrite up to 8mm. Disseminated.															
		124.00 158.50 Rare quartz carbonate stringer, 1 stringer / 20m core, barren, up to 2cm wide. Trace pyrite disseminated in wall rock, RQD 70.															
		141.30 146.00 RQD 60, 10% rubble / pebbles, fractures 30 degrees.															
165.90	167.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Upper contact sharp 40 degrees.															
		Dark green, aphanitic, strongly talcose, weakly serpentinized. No calcite alteration. 1% fracture fillings of calcite. 5% fracture fillings.															
		Of white quartz carbonate sub parallel to weak foliation / shearing of 40-55 degrees.															
		Non to rarely slightly magnetic, trace minute specks of silvery sulphide disseminated, RQD 80.															
		165.90 167.10 30% Bluish talc / quartz carbonate stringers up to 2cm, parallel weak foliation / shearing of 40-55 degrees.															
		167.10 167.40 Weakly brecciated; calcite healed, sheared at 40 degrees.															
167.40	168.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Upper contact gradational.															
		Dark emerald green, aphanitic to very fine grained, massive, homogenous, weakly serpentinized.															
		Non magnetic, trace minute specks silvery sulphide disseminated, RQD 80.															

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(%) %
168.30	170.70	KOMATIITIC SPINIFEX PERIDOTITE Upper contact gradational. Matrix emerald black, aphanitic, weakly serpentinized, no calcite alteration. 5% fracture fillings and stringers <1cm of calcite. 35% Interval with Spinifex texture, 10-30cm wide, ranges from 0.5cm chicken scratch to 1cm asterisk* like to 5cm platy bladed, and slightly. Aligned parallel to weak foliation of 40 degrees. Olivine as relatively unaltered black needles. Non magnetic, no visible sulphides, RQD 90.															
170.70	179.70	KOMATIITIC PERIDOTITE MESOCUMULATE Upper contact gradational. Dark emerald green, fine grained, massive, soapy, strongly talcose, weakly serpentinized. No calcite alteration. Minor bluish fracture fillings of talc / serpentine / calcite. Non magnetic, 0-trace minute specks silvery sulphide disseminated, RQD 90.															
179.70	182.00	KOMATIITIC PERIDOTITE AMYGDALOIDAL Upper contact gradational. Amygdaloidal Marker Horizon; medium green, very fine grained matrix with 10% dark green blebs of serpentine up to 3mm, disseminated. Throughout. Very weakly foliated at 50 degrees. Non magnetic, rare very fine bleb chalcopyrite.															
182.00	187.00	KOMATIITIC PERIDOTITE MESOCUMULATE Upper contact gradational. As above, with fine grained flecks of white alteration, (not calcite, resembles leucoxene) disseminated throughout. Trace fine specks pyrite.															
187.00	192.00	GRAPHITE ZONE Upper contact gradational. Black, silvery metallic on fractures, aphanitic to very fine grained, massive. Non magnetic, no visible sulphides.															
192.00	207.00	KOMATIITIC PERIDOTITE MESOCUMULATE Upper contact gradational. Black, fine grained, massive, weakly talcose / serpentinized. 30% swirly irregular white carbonate / serpentine stringers. Non magnetic, rare fine speck of pyrite. 200.50 207.00 Fine specks alteration, as from															

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(%) %
		182-187m.															
207.00	215.80	KOMATIITIC PERIDOTITE BRECCIA Upper contact gradational. 85:15 KPDM:KOSX; Graphite healed. KPDM fragments as above. KOSX fragments with Spinifex texture, up to 10cm wide. Matrix dark grey, very fine grained, +/- flecks alteration. Non magnetic, trace anhedral brassy pyrrhotite, trace very fine blebs chalcopyrite concentrated along fractures. Shearing / cleavage at 35-45 degrees.															
215.80	224.00	KOMATIITIC PERIDOTITE AMYGDALOIDAL Upper contact sharp and irregular ~55 degrees. As above, with 1% interval Spinifex up to 10cm wide. Non magnetic, trace very fine blebs chalcopyrite and trace very fine cubic pyrite disseminated and concentrated along fractures, RQD 90.															
224.00	242.00	KOMATIITIC PERIDOTITE MESOCUMULATE Upper contact gradational. Black to dark grey, very fine grained, tending towards adcumulate. Weakly serpentinized and calcite altered. 5-10% Banded stringers talc / serpentine, 0.5-10cm wide, generally 45-60 degrees. Weakly magnetic, trace minute specks silvery sulphide disseminated, RQD 70.															
242.00	261.70	KOMATIITIC PERID0TITE ADCUMULATE Upper contact gradational. As above, with 5% fracture fillings of pure serpentine. 5% calcite / quartz carbonate stringers up to 2cm, generally 45-60 degrees, and as. Veinlets 30-50cm wide. Non to slightly magnetic, trace very fine brassy specks pyrrhotite / pentlandite disseminated, RQD 90 to 256m, then 70.															
261.70	281.30	KOMATIITIC PERIDOTITE MESOCUMULATE Upper contact sharp 40 degrees. As above. Non magnetic, trace very fine pyrite, RQD 75. 265.40 265.70 FZ; RQD 0, 10% gouge at 5 & 50 degrees. 5% calcite / quartz carbonate / talc rubble, trace very fine specks pyrite. 265.40 275.00 RQD 60. 275.00 280.40 RQD 80. 275.30 Single 20cm white and aqua quartz															

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 / calcite / talc stringer at 50 degrees, barren.															
281.30	283.50	GRAPHITE ZONE Upper contact sharp 40 degrees. Pure graphite, non magnetic, no visible sulphides, RQD 50.															
283.50	284.10	KOMATIITIC PERIDOTITE MESOCUMULATE Upper contact sharp 40 degrees. Medium yellowish green, aphanitic, severely serpentinized, weak calcite altered. Non magnetic, no visible sulphides, RQD 100.															
284.10	284.80	MAFIC DYKE Upper contact sharp 70 degrees, with 10cm chill margin. Dark grey, medium to coarse grained, massive, homogenous, moderate calcite altered. Non magnetic, 0-trace pyrite, RQD 60.															
284.80	287.30	KOMATIITIC PERIDOTITE MESOCUMULATE Upper contact broken. Medium to light green, medium grained, massive, hardness ~3, strongly serpentinized, slight calcite altered. Non magnetic, no visible sulphides, 1% gouge up to 1cm at 30 degrees, RQD 80.															
287.30	291.50	MAFIC DYKE Upper contact sharp 25 degrees, with 10cm chill margin. As above, but with 10% pinkish white calcite stringers generally 10cm wide, 20-50 degrees. Also, biotite up to 1cm disseminated. Trace very fine speck pyrite, RQD 90.															
291.50	294.80	KOMATIITIC PYROXENITE Upper contact sharp 25 degrees. Medium greenish grey, very fine grained, massive, homogenous, hardness ~4.5, light green streak, slight calcite altered. Non magnetic, no visible sulphides, RQD 90.															
294.80	323.60	KOMATIITIC PERIDOTITE MESOCUMULATE Upper contact sharp 50 degrees. Dark grey, very fine grained, massive, soapy, strongly talcose. No calcite alteration. 5-10% Talc / calcite / quartz carbonate stringers, 1-10cm, generally 30 degrees. Trace very fine specks pyrite disseminated, RQD 70.															

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(%)
		315.50 317.50 Brittle, folding / fracturing 0-20 degrees.															
323.60	323.80	GRAPHITE ZONE Upper contact sharp 80 degrees. Pure graphite with 15% pink calcite / quartz carbonate stringers parallel shearing of 75 degrees, no visible sulphides.															
323.80	346.00	KOMATIITIC PERIDOTITE MESOCUMULATE Upper contact sharp 70 degrees. Medium to dark greenish grey, fine to medium grained, massive, strongly serpentinized and talcose. Moderate calcite alteration. Non to slightly magnetic, trace fine specks pyrite and brassy pyrrhotite disseminated, RQD 100.															
346.00	356.50	KOMATIITIC SPINIFEX PERIDOTITE Upper contact gradational. Matrix dark green to black, very fine grained, weakly serpentinized. Spinifex textured, with black olivine as 0.5cm chicken scratch. Non magnetic, non to weakly foliated at 40 degrees, trace very fine anhedral pyrite along fractured surfaces. 351.20 353.00 Massive, no spinifex.															
356.50	370.00	KOMATIITIC PERIDOTITE MESOCUMULATE Upper contact gradational. As above. Weakly magnetic, RQD 80.															
370.00	373.70	GRAPHITE ZONE Upper contact sharp and irregular ~55 degrees. Pure graphite, with 0.5% fine grained blebs brassy pyrrhotite disseminated, RQD 80. 371.30 373.70 Graphite rubble, fractures at 30-50 degrees, RQD 20.															
373.70	382.00	KOMATIITIC PERIDOTITE MESOCUMULATE Upper contact broken. Dark emerald green, fine grained, massive, weakly serpentinized, weak calcite alteration. 10% Stringers up to 1cm, generally 60-80 degrees. Non magnetic, RQD 60.															
382.00	414.10	KOMATIITIC PERID0TITE ADCUMULATE Upper contact gradational. Emerald black, aphanitic to very fine grained, strongly serpentinized. 5-10% serpentine / calcite															

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, 0.5-2cm, 50-80 degrees.															
		Non to slightly magnetic, 0-trace very fine flecks															
		bronze pyrrhotite / pentlandite disseminated, RQD															
		90.															
414.10	414.40	GRAPHITE ZONE															
		Upper contact sharp 50 degrees.															
		As above, 1% fracture fillings calcite.															
		Slightly magnetic, 0.5% fine grained brassy blebs															
		pyrrhotite / pentlandite disseminated, RQD 60.															
414.40	422.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Upper contact sharp 50 degrees.															
		Matrix medium green, fine grained, strongly															
		serpentinized.															
		Spinifex feathery, witches broom, up to 10cm long,															
		sub parallel to weak foliation of 50 degrees.															
		Trace very fine brassy blebs pyrrhotite /															
		pentlandite disseminated, RQD 75.															
422.00	438.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Upper contact gradational.															
		Dark grey, very fine grained, massive, with 5%															
		white quartz carbonate / calcite +/- talc stringers															
		up to 2cm, various angles.															
		Non magnetic, 0-trace very fine specks pyrrhotite /															
		pentlandite disseminated, RQD 80.															
438.60	440.00	GRAPHITE ZONE															
		Upper contact broken.															
		As above.															
		Weakly magnetic, 0.5% fine grained brassy blebs															
		pyrrhotite / pentlandite, RQD 40.															
440.00	440.90	MAFIC DYKE															
		Upper contact broken.															
		Dark green, fine grained, massive, homogenous,															
		predominantly chloritic composition. No stringers.															
		Two 10cm width inclusions. One KPDM with.															
		Trace pyrrhotite / pentlandite. Other Graphite.															
		Non magnetic, RQD 90.															
440.90	441.30	GRAPHITE ZONE															
		Upper contact sharp 60 degrees.															
		Trace fine grained blebs anhedral pyrrhotite															
		disseminated, RQD 40.															
441.30	443.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Upper contact sharp 85 degrees.															
		Dark greenish grey, fine grained, massive, weakly															
		serpentinized.															

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(%) %
		441.30 442.00 Upper contact medium green, medium grained, strongly serpentinized. Non magnetic, 0-trace pyrrhotite.															
443.80	474.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Upper contact gradational. Emerald black, aphanitic to very fine grained, strongly serpentinized. 5-10% serpentine / calcite stringers, 1-2cm, 35 degrees. Non to slightly magnetic, trace minute specks and fine grained blebs anhedral pyrrhotite / pentlandite disseminated, RQD 80. 470.00 474.00 Progressively stronger calcite alteration towards lower contact, as well as hardness changes from ~4.5 to 3.															
474.00	474.60	GRAPHITE ZONE															
		Upper contact sharp 40 degrees. Pure graphite.															
474.60	476.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Upper contact sharp 70 degrees. As above. Non magnetic, 0-trace specks pyrrhotite disseminated.															
476.40	480.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Upper contact gradational. As above. Non magnetic, no visible sulphides.															
480.40	485.00	GRAPHITE ZONE															
		Upper contact sharp 40 degrees. Pure graphite.															
485.00	497.00	GRAPHITIC ARGILLITE															
		Upper contact gradational. Trace minute specks silvery sulphide disseminated.															
497.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349325.00
Easting:	497668.70
Elevation:	294.47
Collar Azi.:	328.4
Collar Dip:	-61.6
Hole length:	551.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	December 12,2007
Purpose:	N/A
Core storage:	GCR Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
29	329.3	-59.8
80	329.8	-60.9
131	330.2	-60.7
182	332.0	-60.8
233	333.4	-60.9
335	335.6	-61.6
386	335.1	-61.0
437	337.5	-62.0
491	336.2	-61.3
551	340.6	-61.3

Drill Hole:	GCL7-43
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	50 S
Easting:	75 E
GPS Northing:	5349324.42
GPS Easting:	497668.68
Date Started:	December 11,2007
Date completed:	January 13,2008
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	16.70	OVERBURDEN 16.7m Of nw casing.															
16.70	221.20	GRANODIORITE Grey to dark grey, medium grained, hard, non magnetic, homogeneous, massive, fractured, locally porpheritic. Alteration consists of patchy silicification, beige potassic alteration and pistachio green serpentine alteration. RQD of 70% with several sections of broken core. Fracturing at generally 60-65 degrees to core axis with dark black serpentine filled fractures with limonite on fractures in some sections. Trace amounts of angular dark green serpentine altered fragments from a few mm to 1cm. Trace-0.5% quartz, calcite and quartz-calcite stringer/veinlets at generally 70 degrees to core axis from hairlike to 1.5cm. Trace to 0.5% bright yellow brown pyrite on fractures and rarely associated with stringers. Trace amounts of disseminated brassy pyrrhotite is also noted around fragments/veins/stringers starting around 65m. 16.70 17.20 Green, fine grained, 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(%) %
		peridotite, boulder (?).															
		17.20 23.00 Broken core, local ruble, orange-brown limonite oxidized fractures, 50% rqd.															
		27.00 29.00 Broken core, 70% rqd.															
		38.00 38.50 Beige pervasively potassic altered section with pale green serpentine stringers/fractures, trace pyrite on fractures.															
		94.40 95.40 Beige pervasively potassic altered section, fractured/broken core, 65% rqd.															
		103.20 20.00 Cm broken core, orange-beige potassic alteration locally.															
		105.50 106.30 Several generations of calcite stringer cross cutting each other at 30 and 60 tca.															
		113.90 10cm milky white quartz vein with 75 degrees to core axis contacts.															
		137.00 141.20 Fracture zone 20% RQD, potassic altered, pistachio green, very dominant serpentine on fractures and locally as healed fracturing.															
		150.50 7.00 Cm slightly fractured quartz vein at 40 degrees to core axis with a few cm wide potassic haloing.															
		154.20 4.00 Cm quartz veinlet, as above.															
		153.70 Trace brassy brown very coarse pyrrhotite on fracture.															
		187.80 191.80 Broken/fractured core with 10% quartz veining and beige-pink potassic alteration, 20% RQD, trace pyrite.															
		196.50 197.10 Fractured up section of quartz veining and potassic altered host rock healed dark green serpentine, contacts at 75 and 60 tca.															
		213.50 220.10 2% white to clear-white quartz stringers at 50 degrees to core axis, a few specks of pyrrhotite on stringers.															
		220.10 221.20 80% barren quartz vein with a few sections of intact GRANODIORITE, nil sulphides, contacts at 70 and 60 tca.															
		Lower contact at 60 tca.															
221.20	225.90	KOMATIITIC PERID0TITE															
		Brown-grey grading to grey, fine grained, fairly massive, hard, non magnetic.															
		Weakly calcite-ankerite and serpentine altered.															
		Excellent RQD of 95% with only minor fracturing at 60 degrees to core axis.															
		1-2% White to grey-white calcite and ankerite stringers at 60-70 degrees to core axis with															

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(%) %
		localized irregular filling.															
		No visible sulphides.															
		Sharp lower contact at 20 tca.															
225.90	286.00	GRANODIORITE															
		Same as 16.7-221.2m.															
		228.00 237.20 Darker grey matrix, slightly silicified, 3% clear-white quartz stringers at 70 degrees to core axis and 1% white quartz veins from 8-13cm wide at 70 degrees to core axis, trace-0.5% pyrrhotite associated stringers.															
		237.20 238.60 Light greyish potassic-silicified section, rare pyrite and po.															
		255.60 257.90 4 barren white quartz vein from 5-12cm.															
		258.20 258.80 Biotitic-graphitic peridotite section, dark black-grey.															
		279.00 279.30 Barren quartz vein, minor broken core.															
		279.80 280.60 Barren quartz vein.															
		275.60 286.00 Unit is cut by a series of barren quartz veins, around 12%, average contacts at 50-70 tca.															
		Lower contact at 60 tca.															
286.00	293.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Unusual unit, dark black and grey with some brown black sections, fine grained, moderately hard to hard.															
		Variablely altered from weak calcite, graphite and biotite.															
		Overall RQD of 65%.															
		Fracturing at 50, 60 and 70 for the most particularly with graphite and serpentine fracture filling.															
		Spinifex texturing occurs as dark green poorly developed olivine spinifex at generally random orientation throughout unit (patchy), large sections as covered by alteration.															
		Trace pyrite on fractures and local fractured up calcite stringers.															
		289.50 291.00 Section graphitic broken core, some graphitic gouge rehealed on fractures, some spinifex and pyrite.															
		Minor graphitic section with lower contact at 60 tca.															
293.00	294.40	GRANODIORITE															
		Dark grey, medium grained, porpheritic, hard, non magnetic, generally same as 16.7-221.2m.															

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(%) %
		Slightly serpentine altered.															
		Excellent RQD of 95% with only minor fracturing at 50 tca.															
		Trace pyrite.															
		Sharp lower contact at 20 tca.															
294.40	301.70	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey-black serpentine-carbonate and graphite altered KOMATIITIC PERIDOTITE MESOCUMULATE, moderately hard, non magnetic, locally conductive (graphite).															
		Dark black olivine spinifex throughout, mostly poorly developed and masked by alteration, randomly oriented.															
		RQD of 70% with several sections of broken core.															
		Fracturing for the most particularly at 60-70 degrees to core axis with a few at 20 tca.															
		Fractures are filled with serpentine and with graphite in localized sections.															
		Trace pyrite.															
		298.10 6cm highly graphitic fault gouge.															
		300.20 302.00 Broken core due to graphitic nature, 60% rqd.															
		Gradual lower contact.															
301.70	313.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black to grey-green, fine grained, moderately hard, non magnetic, locally conductive.															
		Pervasive graphite alteration with sections of serpentine.															
		RQD of 80-85% with minor sections of broken core.															
		Minor fracturing and some stringers at 50-60 degrees to core axis with serpentine and graphite fracture filling.															
		Trace pyrite along a few fractures and locally disseminated (non magnetic).															
		308.00 308.90 Dark black graphitic section of broken core with local graphitic faults.															
		310.60 40.00 Cm broken core, 30% rqd.															
		312.60 313.30 A few sections of graphitic broken core.															
		Lower contact at 80 tca.															
313.30	337.90	GRANODIORITE															
		Same as 16.7-221.2m.															
		Excellent RQD of 90%.															
		Trace pyrite.															
		331.00 332.40 Minor silicification and potassic.															
		0.5%-1% Brownish biotitic fracture filling to alteration, similar to what has been seen															

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(%) %
		previously, maybe some pyrite, definitely looks like sulphides bands (i.e. 336.6m). Lower contact at 40 tca.															
337.90	346.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Localized generally random olivine spinifex texture in altered KOMATIITIC PERIDOTITE MESOCUMULATE, fine grained, massive, moderately hard to very hard. Weakly serpentine and ankerite altered. Excellent RQD of 95% with only minor serpentine filled fractures at 30 and 60 tca. Rare pyrite on fracture and a few irregular serpentine and calcite stringers. 344.10 346.00 Brown pervasively biotite altered section. Lower contact 80 tca.															
346.00	349.30	GRANODIORITE															
		Same as 16.7-221.2m. Excellent RQD of 90%. Minor pyrite, calcite stringers at 50 degrees to core axis and serpentine filled fractures. Lower contact at 30 tca.															
349.30	352.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black grey mesocumulate to adcumulate, fine grained, massive, hard, non magnetic. Alteration consists of pale green serpentine-ankerite. Excellent RQD of 95%. 2-3% Calcite and serpentine along rehealed fractured sections throughout. No visible sulphides. Lower contact at 20 tca.															
352.70	365.90	GRANODIORITE															
		Same as 16.7-221.2m. Excellent RQD 95%. Trace-0.5% pyrite smears on fractures. Lower contact at 40 tca.															
365.90	367.80	KOMATIITIC PERIDOTITE SHEARED															
		Dark black to brown, fine to medium grained, sheared/foliated unit at 60 degrees to core axis, moderately hard, non magnetic. Calcite and biotite altered. Good RQD of 80-85% with minor serpentine filled fractures. No visible sulphides. 367.00 Minor gouge on a few fractures, maybe 5mm.															

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 tca.															
367.80	389.40	GRANODIORITE															
		Same as 16.7-221.2m.															
		Locally silicified, potassic altered and biotitic.															
		Excellent RQD of 95%.															
		Trace pyrite.															
		1% Hairlike calcite stringers at 40 tca.															
		Minor fracturing with serpentine filling.															
		384.70 22cm section with a few 4-6cm															
		clear-white quartz veins at roughly															
		50 tca.															
		Lower contact at 50 tca.															
389.40	392.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale green grey, fine grained, massive, hard, non															
		magnetic, altered.															
		Weakly serpentine and ankerite altered.															
		Localized dark black-green olivine spinifex texture															
		grading from poorly developed chicken scratch to															
		more developed bladed, random orientation.															
		Excellent RQD of 95%.															
		Lower contact at 85 tca.															
392.20	420.20	INTERMEDIATE DYKE															
		More of a intermediate feldspar porphyry.															
		Dark grey, medium grained, massive, homogeneous,															
		hard, non magnetic, weakly porpheritic.															
		3% White feldspar phenocrysts, average size around															
		3-5mm.															
		Maybe weakly serpentine altered (?), rare patches															
		of calcite alteration.															
		Good RQD 90% for the most particularly serpentine															
		filled fractures at 30, 60 and 70 tca.															
		1-2% Hairlike calcite stringers at 50 and 70 tca.															
		Trace at best 0.5% disseminated pyrite locally															
		(i.e. 404m).															
		Lower contact at 40 tca.															
420.20	430.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, locally massive,															
		moderately hard, non magnetic.															
		Weakly carbonatized.															
		80% RQD with local broken core.															
		Fracturing at 30 and 60 degrees to core axis with															
		serpentine and some carbonate fracture filling															
		locally.															
		2-3% White to grey-white carbonates stringers at															
		30, 60 and 70 tca.															
		428.00 430.50 Less carbonate altered with more of a															
		weak serpentine 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(%) %
		Gradual lower contact.															
430.50	446.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey-black, fine grained, locally massive, moderately hard, non magnetic, fractured. Variablely altered from weak serpentine, graphite and carbonate. Dark green fairly tightly packed platy olivine spinifex throughout unit, some locally altered grey and sections of blades of spinifex. RQD of 75% with several sections of broken core. Fracturing for the most particularly is at 60-70 degrees to core axis with mostly serpentine and local graphite fracture filling (broken core). Trace-0.5% localized pyrrhotite smears on fractures. 442.80 446.50 60% RQD with numerous graphitic broken core sections. 449.10 20cm Sga. Gradual lower contact.															
446.50	448.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black-grey section of adcumulate-mesocumulate material with greyish randomly oriented olivine spinifex throughout. Fine grained, massive, hard, non magnetic. Good RQD of 85% with 0.5% white-grey calcite stringers/fractures at 70 tca. No visible sulphides. Gradual lower contact.															
448.90	456.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black-grey, massive, homogeneous, hard, non magnetic. Weakly carbonate and serpentine altered. Good of 95% with only minor fracturing at roughly 70 degrees to core axis, minor calcite-serpentine filling. 2-3% White calcite-serpentine stringers at 40, 50, 70 and a few secondary stringers at 10-20 tca. No visible sulphides. Gradual lower contact.															
456.60	460.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black-grey section of adcumulate-mesocumulate material with greyish platy randomly oriented olivine spinifex throughout. Fine grained, massive, hard, non magnetic. Excellent RQD of 95% with 70-80 degrees to core axis fracturing filled with calcite-serpentine. 1-2% White calcite stringers at 40, 50 and 80-85 tca.															

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 pyrrhotite on fractures.															
		Gradual lower contact.															
460.40	484.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black-grey, massive, hard, non magnetic,															
		altered, adcumulate sections.															
		Weakly serpentine and ankerite altered.															
		Fairly massive unit for the first 5m or so then															
		altered, fractured, locally graphitic and															
		mineralized.															
		RQD of 70-75% with several for the most															
		particularly graphitic sections of broken core.															
		Fracturing at 40, 50 and 60 degrees to core axis															
		with serpentine and local graphite fracture filling.															
		1% Localized for the most particularly in the first															
		few meters of the flow at generally 60-70 tca.															
		1-3% White-grey and locally greenish serpentine															
		stringers, irregular to 70 tca.															
		Trace to 1% pyrrhotite as fine dissemination and															
		smears on fractures.															
		476.80 Roughly 20cm broken core, maybe some															
		gouge, graphitic, 0% rqd.															
		Lower contact at 50 tca.															
484.80	488.10	INTERMEDIATE DYKE															
		Same as 392.2-420.2m.															
		Dark grey, massive, hard, non magnetic, weakly															
		porpheritic, fractured.															
		Excellent RQD of 95% with only minor serpentine															
		filled fractures at around 70 tca.															
		40cm To lower contact 0.5%-1% coarse, cubic pyrite,															
		slightly graphitic.															
		Lower contact at 80 tca.															
488.10	496.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey, massive, fractured, moderately hard to															
		hard, non magnetic, altered.															
		Weak pervasive ankerite-serpentine alteration with															
		local graphite.															
		There are roughly 5-10% sections of graphitic															
		broken core throughout unit.															
		RQD of 65% with broken core throughout.															
		Fracturing is at 20, 50, 60 and 70 degrees to core															
		axis with generally serpentine fracture filling but															
		also both scattered and clustered graphitic															
		fractures.															
		A few scattered grey-white irregular serpentine															
		stringers.															
		Trace-0.5% at best pyrrhotite smears on fractures															
		and fairly coarse pyrite associated with graphite.															
		489.20 30cm graphitic broken core, 0% rqd.															

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(%) %
		496.10 496.50 Graphitic broken core, 0% rqd.															
		Sharp lower contact at 20 tca.															
496.50	512.70	INTERMEDIATE DYKE															
		Same as 392.2-420.2m.															
		Dark grey, fine to medium grained, massive,															
		homogeneous, hard, non magnetic.															
		Weakly serpentine altered, no reaction to hcl.															
		5% Rounded feldspar phenocrysts.															
		Good RQD of 85% with only minor sections of broken															
		core.															
		Minor fracturing at 20-30 and 50 degrees to core															
		axis with dark green serpentine fracture filling.															
		0.5% Fairly low angle white calcite stringers up to															
		1cm.															
		0.5% Dull brown very coarse pyrite.															
		Sharp lower contact at 20 tca.															
512.70	514.80	GRAPHITIC ARGILLITE															
		Dark black, very fine grained, massive, moderately															
		hard, non magnetic, conductive.															
		Pervasive graphite alteration with patchy calcite.															
		RQD of 85% with a few minor sections of broken core.															
		Minor 20-30 degrees to core axis fracturing,															
		graphitic.															
		1-2% Finely disseminated and coarse pyrite.															
		Lower contact at roughly 20 tca.															
514.80	543.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black to grey-green (altered), fine grained,															
		massive, moderately hard, non magnetic, locally															
		conductive.															
		Weakly ankerite-serpentine altered with several															
		graphite altered sections.															
		RQD of 70% with several sections of graphitic															
		broken core.															
		Fracturing is at 20, 50, 60 and 70 degrees to core															
		axis with equal mix of serpentine and/or graphite															
		fracture filling.															
		Trace to maybe 1% locally coarse pyrite throughout															
		with rare amounts of po.															
		519.00 528.00 Several large graphitic altered															
		section with associated broken core,															
		40% rqd.															
		531.00 -78.00 cm of random olivine spinifex.															
		Gradual lower contact.															
543.00	546.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Green-grey, KOMATIITIC PERIDOTITE MESOCUMULATE or															
		maybe KOMATIITIC PYROXENITE, slightly harder than															
		normal, 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(%) %
		Slightly silicified, weakly ankerite-serpentine. Grades from no visible spinifex to dark black randomly oriented cm sized olivine spinifex. Excellent RQD of 95% with only minor fracturing. Trace coarse pyrite. Gradual lower contact.															
546.00	551.00	KOMATIITIC PERIDOTITE MESOCUMULATE Not typical unit, green to grey, fine grained, fractured, hard, non magnetic. Serpentine-ankerite altered. RQD of 80% with minor broken core. Fracture throughout with graphitic filling and healing. Rare calcite stringers and trace-0.5% pyrite. A few 5-12cm intervals of GRAPHITIC ARGILLITE (i.e. 549.2m and 550.5m.).															
551.00		END OF HOLE															

DRILL HOLE RECORD

Northing:	5349325.00
Easting:	497668.60
Elevation:	294.50
Collar Azi.:	328.4
Collar Dip:	-49.8
Hole length:	551.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	Nov. 29-Dec.12, 2007
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
29	325.6	-45.5
80	325.2	-45.7
131	325.8	-45.6
182	324.9	-45.2
233	327.4	-45.5
287	328.3	-45.8
335	331.3	-44.9
386	331.9	-46.0
455	332.8	-46.6
500	332.3	-46.5
550	332.0	-46.5

Drill Hole:	GCL7-41
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	50S
Easting:	75E
GPS Northing:	5349324.65
GPS Easting:	497668.63
Date Started:	November 28,2007
Date completed:	December 11,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	19.30	OVERBURDEN 19.3m Of nw casing.															
19.30	101.70	GRANODIORITE Grey-dark grey, fine grained, massive, homogeneous, hard, non magnetic, weakly porpheritic. Patchy weak silicification and potassic alteration. 1-5% White feldspar phenocrysts with variable dark green black amphibole specks throughout matrix. RQD of 65% with several minor sections of broken core. 0.5% White quartz stringers with scattered of mostly hairlike quartz-calcite stringers. Trace brown-yellow pyrite smeared on fractures locally with rare brassy-brown pyrite associated with stringers. 31.10 13.00 Cm white quartz vein with contacts of 70 tca. 36.00 Random dark green-black angular fragments (serpentine). Roughly same as in hole gcl-07-39 but with no apparent sulphides association. 64.50 5.00 Cm white quartz vein with contacts of 70 tca. 79.80 13.00 Cm white quartz vein with contacts 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(%) %
		70 tca.															
		Sharp lower contact at 20-25 tca.															
101.70	107.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark grey black, fine grained, massive,															
		homogeneous, hard, non magnetic, altered, fracture															
		zone, minor brecciation.															
		Greyish serpentine-carbonate altered locally with a															
		few sections of dark black graphite alteration.															
		Poorly RQD of 40-50% with significant broken core															
		throughout interval.															
		Fracturing is at generally 60-70 degrees to core															
		axis with mostly 1-3mm dark green serpentine															
		fracture filling, occasional silver-black graphitic															
		fractures with local clay gouge on fractures.															
		Minor local brecciation with mostly serpentine															
		rehealing.															
		Grey-white serpentine-calcite as irregular															
		stringers/fractures, 1-2%.															
		Trace pyrite associated with stringers.															
		Gradual lower contact.															
107.50	117.60	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite.															
		Grey-green and blackish, fine grained, massive,															
		hard, non magnetic.															
		Weakly serpentine and ankerite-dolomite altered.															
		Well developed to poorly developed olivine spinifex															
		fading in and out throughout unit, dark green to															
		greyish-green altered random to platy spinifex.															
		Good RQD of 90% with serpentine filled fractures at															
		50 and 60 tca.															
		1-2% White-grey serpentine and serpentine-calcite															
		stringers at 60-70 tca.															
		Trace scattered brassy brown pyrrhotite with 0.5%															
		clustered patches of po.															
		Gradual lower contact.															
117.60	131.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark grey-black, fine grained, massive,															
		homogeneous, hard, non magnetic.															
		Weakly serpentine and carbonate altered.															
		Alternating dark grey mesocumulate and dark black															
		adcumulate sections.															
		Good RQD of 90% with serpentine filled fractures at															
		generally 70 tca.															
		2-3% Mostly hairlike serpentine-calcite stringers															
		at various angles from 30-60 degrees to core axis,															
		occasional dark green serpentine stringers.															

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 with some 0.5% pyrrhotite sections, mineralization consists of trace very finely disseminated pyrrhotite in the adcumulate with more intercumulus flaky disseminated pyrrhotite disseminations in mesocumulate, locally along fractures. Gradual lower contact.															
131.20	134.90	KOMATIITIC SPINIFEX PERIDOTITE Komatiitic spinifex peridotite. Same as 117.6-131.2m with scattered sections of randomly oriented olivine spinifex. Trace disseminated pyrrhotite with 0.5% associated with spinifex. Gradual lower contact.															
134.90	153.40	KOMATIITIC PERIDOTITE MESOCUMULATE Komatiitic peridotite mesocumulate. Grey-green, fine grained, massive, homogeneous, altered, fractured, hard, non magnetic. Weak to moderate serpentine-ankerite altered. Excellent RQD of 95% with minor serpentine filled fractures at 40, 60 and 70 tca. 1-2% Greyish-white serpentine stringers at generally low angles from 10-30 tca. Trace-0.5% brown-yellow pyrite (non magnetic) smears along fractures. 149.70 150.90 Dark black, very fine grained, graphitic altered, non conductive. 153.30 3cm fault gouge at 30 tca. Lower contact at 30 tca.															
153.40	155.90	KOMATIITIC SPINIFEX PERIDOTITE Komatiitic spinifex peridotite. Grey-green, fine grained, altered, fractured, hard, non magnetic. Weakly ankerite-serpentine altered with localized graphitic alteration. Dark black to greyish randomly oriented olivine spinifex throughout unit. 0.5% Irregular serpentine stingers. Trace pyrrhotite smears on fractures. Good RQD of 85%. Minor fracturing at various angles with thin serpentine and occasional graphite fracture filling. Lower contact at 40 tca.															
155.90	157.30	GRAPHITIC ARGILLITE Graphitic argillite. Dark black-grey, very fine grained, massive, homogeneous, moderately hard, non magnetic.															

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(%) %
		Pervasive graphitic alteration.															
		Excellent RQD of 95% with minor graphite filled fractures at 60-70 tca.															
		Trace pyrrhotite on fractures and in matrix.															
		Lower contact at 40 tca.															
157.30	200.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Grey-green and black, fine grained, massive, homogeneous, altered, fractured, hard, non magnetic.															
		Weakly serpentine-ankerite altered, patches moderate in places.															
		Good RQD of 75-80% with a few minor sections of broken core.															
		Fracturing at 40-50 degrees to core axis with thin dark green serpentine fracture filling.															
		Rare dark green oval serpentine filled vesicles scattered throughout unit, average 3mm sized.															
		1-3% Dark green and grey-white serpentine and also ankerite stringers at various angles 30 and 50 tca.															
		Generally trace pyrrhotite on fractures and matrix with 1-2% locally as stringers and patches.															
		166.40 167.50 2-3% pyrrhotite as tiny patches with some pyrrhotite on fractures and along stringers.															
		173.00 175.40 Broken core/fracture zone, 40% rqd.															
		177.30 177.60 Minor section of randomly oriented olivine spinifex.															
		175.40 182.00 Moderate pale green-grey serpentine-ankerite altered section.															
		182.00 182.90 Pale grey, bleached section, massive, a few irregular serpentine stringers.															
		182.00 200.60 Dark grey to black, mesocumulate-adcumulate, 2-3% white-grey and green calcite-serpentine stringers at various angles, scattered po-pn mineralization as trace fine disseminations, tiny patches and local blebs around 199.2m (3%).															
		Gradual lower contact.															
200.60	202.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite.															
		Dark grey-black, fine grained, hard, non magnetic.															
		Weakly serpentine-ankerite altered.															
		Scattered dark green olivine spinifex as random platy needles.															
		Trace-0.5% flaky disseminated po.															
		Good RQD of 85% with minor fracturing at 50-60 degrees to core axis and serpentine fracture															

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(%) %
		filling.															
		Gradual lower contact.															
202.90	216.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark grey-black, fine grained, massive,															
		homogeneous, hard, non magnetic,															
		adcumulate-mesocumulate.															
		Weakly serpentine and ankerite altered with local															
		pistachio green serpentine alteration.															
		Good RQD of 85-90% with very minor broken core.															
		Fracturing at 40-60 degrees to core axis with															
		serpentine-calcite fracture filling.															
		2-3% White and grey-white calcite, serpentine and															
		serpentine-calcite stringers at various angles at															
		50-60 tca.															
		Trace disseminated po.															
		215.50 Dark black grey graphitic alteration															
		to lower contact.															
		Lower contact at 50 tca.															
216.00	216.50	GRAPHITIC ARGILLITE															
		Graphitic argillite.															
		Dark black, very fine grained, graphitic altered,															
		non conductive.															
		Pervasive graphitic alteration.															
		Good RQD of 85% with minor graphitic fractures at															
		50 tca.															
		A few wispy hairlike po-py stringers.															
		Lower contact at 50 tca.															
216.50	221.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite.															
		Dark grey-black altered pale green, fine grained,															
		hard, non magnetic.															
		Weakly serpentine-ankerite altered, patches															
		moderate in places.															
		Spinifex are stubby, randomly oriented, dark black															
		and greyish in places, patches occurrence.															
		Good RQD of 90% with minor fracturing at 60-70															
		degrees to core axis.															
		Mineralization consists of local calcite around															
		fractures with rare pyrrhotite on fractures.															
		Gradual lower contact.															
221.40	240.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark black, fine grained, massive, homogeneous,															
		hard, non magnetic.															
		Dark black adcumulate sections have a patchy															
		pistachio green serpentine alteration with greyish															

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(%) %
		mesocumulate-adcumulate sections being serpentine-ankerite altered. RQD of 65% with several minor sections of broken core. Fracturing at 60 degrees to core axis with serpentine-calcite fracture filling, a few fractures from 10-30 degrees to core axis in fractured/broken core sections. 2% White to white-grey calcite and serpentine stringers at various angles but generally 50 tca. Nil to trace pyrrhotite on fractures. 226.00 228.70 Broken/fractured core with 40% RQD and 90% recovery. 235.50 235.80 Broken/fractured core with 30% rqd. 237.70 1.00 Inch fault gouge at 50 tca. 239.00 240.00 Greyish sort of mottled section with 0.5% po. Gradual lower contact.															
240.00	244.30	KOMATIITIC SPINIFEX PERIDOTITE Komatiitic spinifex peridotite. Dark greyish-green, fine grained, massive, homogeneous, hard, non magnetic, altered. Pervasive serpentine-ankerite alteration. Olivine spinifex are generally low angle, dark green, platy, and consistent throughout section. Good RQD of 85% with minor serpentine filled fractures at 60-70 tca. 0.5% White calcite stringers at low angles. Trace with local 0.5% disseminated po. Gradual lower contact.															
244.30	249.40	KOMATIITIC PERID0TITE ADCUMULATE Komatiitic peridotite adcumulate. Dark black, fine grained, massive, homogeneous, hard, non magnetic. Very weak local pistachio green serpentine alteration. Excellent RQD of 95% with serpentine-calcite filled fractures at 70-75 tca. 1% White calcite stringers at 60-70 tca. Rare disseminated po. Gradual lower contact.															
249.40	255.80	KOMATIITIC PERIDOTITE GRAPHITIC Komatiitic peridotite graphitic. Dark brown-black, fine grained, massive, homogeneous, non magnetic, hard, spotted/mottled. 10% 2-3mm Sized biotite specks in matrix giving unit spotted look. No reaction to HCl, weakly serpentine 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(%) %
		Excellent RQD of 95% with occasional very thin calcite and serpentine fracture filling at 60-70 tca. A few calcite stringers at 60 degrees to core axis with no visible sulphides. Gradual lower contact.															
255.80	269.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate. Dark black-grey, fine grained, massive, homogeneous, hard, non magnetic, altered, fractured, adcumulate-mesocumulate. Patchy pistachio green serpentine alteration with greyish serpentine-ankerite altered sections. Good RQD of 90% with serpentine-calcite fracture filling at 50-70 tca. 3% White-grey calcite and serpentine hairlike stringers at various angles but generally 60 tca. Trace very finely disseminated po. Lower contact at 60 tca.															
269.50	270.00	FELSIC INTRUSIVE (UNDIFFERENTIATED)															
		Felsic intrusive (granodiorite). Pink-grey, medium grained, massive, homogeneous, very hard, non magnetic. No reaction to HCl, weak potassic alteration. Good RQD of 90% with fracturing at 65-70 degrees to core axis and serpentine fracture filling. No visible mineralization. Lower contact at 70 tca.															
270.00	287.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate. Same as 255.8-269.5. 270.00 272.50 Greyish fractured/ broken core with minor faulting and brecciation, 55% rqd. Gradual lower contact.															
287.90	302.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate. Dark grey-green and black, fine grained, massive, hard, non magnetic, altered, fractured. Patchy serpentine and ankerite alterations. Good RQD of 80% localized broken core. Fracturing at 60-70 degrees to core axis with dark black serpentine and local carbonate fracture filling. 1-2% White calcite and serpentine stringers at 30 and 50 tca. Generally trace pyrrhotite smears on fractures.															

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(%) %
		287.90 291.00 Broken core/fracture zone, 30-40% RQD, local minor brecciation and oxidized fractures.															
		296.30 301.20 Trace-0.5% with a few sections of maybe 1-2% po-pn as random tiny blebs, patches and local disseminations, general association with fractures/stringers.															
		301.20 302.00 1-2% brassy pyrrhotite and yellowish pn blebs scattered throughout section.															
		Gradual lower contact.															
302.00	308.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite.															
		Pale greenish grey and black, fine grained, massive, hard, non magnetic, altered.															
		Pervasive pale grey-green serpentine and ankerite alteration.															
		Olivine spinifex throughout unit, randomly oriented, platy spinifex.															
		Good RQD of 85% with minor serpentine filled fractures at 60-70 tca.															
		0.5% White calcite-serpentine stringers at 65-70 degrees to core axis.															
		302.00 303.00 3-4% yellow-brown to brassy-brown po-pn as half a dozen blobby type stringers at 65 degrees to core axis with scattered blebs and disseminations but all mineralization styles associated with stringers/fractures.															
		301.00 304.60 1-2% po-pn as 3-4mm 70 degrees to core axis stringers and scattered patches, blebs and dissemination.															
		304.60 308.20 Trace disseminated po-pn.															
		Gradual lower contact.															
308.20	328.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Typical dark black unit, very fine grained, massive, homogeneous, hard, non magnetic.															
		Patchy weak pistachio green serpentine alteration.															
		Good RQD of 95% with minor serpentine and calcite filled fractures at 40 and 70 tca.															
		2% Hairlike grey-white serpentine and calcite hairlike stringers at 40, 50 and 70 tca.															
		Generally trace very finely disseminated po-pn with rare sections of 0.5% po-pn but no greater then a half a meter.															
		Gradual lower contact.															

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(%) %
328.80	334.60	KOMATIITIC SPINIFEX PERIDOTITE Komatiitic spinifex peridotite. Dark greyish-green, fine grained, massive, homogeneous, hard, non magnetic, altered. Pervasive serpentine-ankerite alteration. Dark black-green olivine spinifex as randomly oriented blades throughout unit. Good RQD of 85% with serpentine filled fractures at 40 and 70 tca. 1% White calcite stringers at 30-40 tca. Trace-0.5% po-pn locally. 333.10 334.60 Mm-cm sized dark black platy olivine spinifex grading to mm sized and smaller chicken scratch spinifex. Gradual lower contact.															
334.60	351.80	KOMATIITIC PERID0TITE ADCUMULATE Komatiitic peridotite adcumulate. Same as 308.2-328.8m. Lower contact around 50 tca.															
351.80	355.60	KOMATIITIC SPINIFEX PERIDOTITE Komatiitic spinifex peridotite. Green to dark grey, fine grained, massive, homogeneous, hard, non magnetic, altered. Patchy pistachio green serpentine alteration. Generally low angle dark green olivine spinifex, mostly blades with some platy sections. Good RQD of 90% with fracturing at 30 and 50 degrees to core axis and serpentine filling. A few hairlike serpentine stringers. Rare disseminated po. 352.30 10cm graphitic brecciated/faulted section. Gradual lower contact.															
355.60	366.00	KOMATIITIC PERIDOTITE MESOCUMULATE Komatiitic peridotite mesocumulate. Green to grey, fine to medium grained, massive, homogeneous, hard, non magnetic. Pervasive serpentine-ankerite alteration. Excellent RQD of 90-95% with minor serpentine filled fracturing at 40-50 tca. A few hairlike serpentine stringers. Rare disseminated po. 361.80 364.60 Scattered irregular shaped serpentine filled blotches from 2cm to 6cm sized. Gradual lower contact.															
366.00	387.50	KOMATIITIC PERID0TITE ADCUMULATE Komatiitic peridotite 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(%) %
		Dark grey-black, fine grained, massive, homogeneous, hard, non magnetic, altered, scattered mesocumulate sections.															
		Weakly serpentine-ankerite altered.															
		Good RQD of 85% with a few localized sections of broken core.															
		Fracturing at 60-70 degrees to core axis with dark green to pistachio green serpentine fracture filling and some calcite filling.															
		3% White to grey-green serpentine and calcite stringers at generally 50-70 degrees to core axis.															
		A few scattered milky white quartz-calcite veinlets at 70 tca.															
		Rare disseminated po.															
		377.90 380.00 Pale green, bleached, fractured and broken core, RQD of 60%.															
		383.00 Unit becomes more massive greyish mesocumulate-adcumulate.															
		Lower contact at 30 tca.															
387.50	388.00	GRAPHITIC ARGILLITE															
		Graphitic argillite.															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic, moderately conductive.															
		Pervasive graphitic alteration.															
		Excellent RQD of 90-95% with minor graphite filled fracturing at 60 tca.															
		A few thin hairlike stringers with trace amounts of pyrrhotite and py.															
		Lower contact at 25 tca.															
388.00	392.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Same as 355.6-366.															
		Weak to moderate serpentine-ankerite altered.															
		Trace po.															
		Gradual lower contact.															
392.60	395.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite.															
		Pale green-grey, fine-medium grained, massive, homogeneous, hard, non magnetic, altered.															
		Poorly developed dark green and pale green altered olivine spinifex at random orientation throughout unit.															
		Excellent RQD of 90% with serpentine filled fractures at 50 tca.															
		A few low angle white-dark green serpentine stringers at 20-30 tca.															
		Rare flaky pyrrhotite disseminations.															
		394.50 395.40 Dark green more platy, well define															

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 spinifex texture.															
		Gradual lower contact.															
395.40	420.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark black with some dark grey-black, fine grained,															
		massive, homogeneous, hard, non magnetic.															
		Very weak local pistachio green serpentine															
		alteration.															
		Good RQD of 85% with some very minor sections of															
		broken core.															
		Fracturing at 60-70 degrees to core axis with															
		scattered fracturing at 20-30 degrees to core axis,															
		fracture filling consists of dark green serpentine															
		and some white calcite.															
		2-3% White and grey green calcite and serpentine															
		hairlike stringers at various angles but majority															
		at 40-50 tca.															
		Rare fine pyrrhotite disseminations.															
		Gradual lower contact.															
420.90	443.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark black grey, fine grained, massive,															
		homogeneous, hard, non magnetic, altered, weakly															
		fractured, mesocumulate-adcumulate unit.															
		Weakly serpentine-ankerite altered giving unit															
		greyish color.															
		Decent RQD of 80-85% with minor sections of broken															
		core.															
		Fracturing at 40-50 and 70 degrees to core axis															
		with serpentine and calcite fracture filling.															
		2-3% Grey-white-green serpentine and some calcite															
		stringers from hairlike to 5mm and oriented at															
		various angles 30, 40, 50 and 70 tca.															
		Rare disseminations associated with															
		stringers/fractures.															
		426.30 426.80 Fractured/faulted graphitic section															
		with minor graphitic-serpentine gouge															
		and fractures,, 40% rqd.															
		Lower contact at 50 tca.															
443.80	444.30	GRAPHITIC ARGILLITE															
		Graphitic argillite.															
		Dark black to silver, very fine grained, moderately															
		hard, non magnetic, conductive.															
		Pervasive graphitic alteration.															
		RQD of 70% with minor broken core and fracturing at															
		50 and 70 degrees to core axis with silver-black															
		greasy graphitic fracture filling.															
		A few fragmented tiny calcite stringers.															

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(%) %
		No visible sulphide mineralization.															
		Lower contact at 60 tca.															
444.30	446.00	FAULT ZONE															
		Fault zone in graphitic olivine spinifex section.															
		Dark black and grey, fine grained, non magnetic,															
		moderately soft to moderately hard.															
		Weakly serpentine and calcite altered with															
		graphitic altered faulted sections.															
		No visible sulphide mineralization.															
		A few fragmented tiny calcite stringers.															
		444.90 7cm serpentine-graphite fault gouge															
		at 40 tca.															
		445.10 25cm of poorly developed platy															
		olivine spinifex.															
		445.60 0% RQD, graphitic faulted section,															
		poorly recovery locally.															
		Lower contact indiscernible due to faulting.															
446.00	464.90	KOMATIITIC PERIDOTITE GRAPHITIC															
		Komatiitic peridotite graphitic.															
		Dark black-brownish, fine to medium grained,															
		massive, homogeneous, moderately hard, non															
		magnetic, 10% biotite.															
		Pervasive moderate calcite alteration with weak															
		graphite and serpentine alterations.															
		Good RQD of 85% with a few minor sections of broken															
		core.															
		Fracturing at 40-50 degrees to core axis with															
		scattered calcite and graphite fracture filling.															
		1-2% White calcite stringers at 50 degrees to core															
		axis with a few irregular stringers.															
		Trace disseminated pyrite.															
464.90	493.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate (carbonatized).															
		Dark black-grey, fine grained, massive,															
		homogeneous, moderately hard, non magnetic,															
		altered, fractured, locally foliated.															
		Pervasive carbonatization.															
		5% Greyish-white irregular to low angle carbonate															
		stringers.															
		Good RQD of 80-85% with a few minor broken sections.															
		Fracturing at 40 degrees to core axis with															
		serpentine, carbonate and local graphite fracture															
		filling.															
		Scattered poorly developed foliation at 30-40															
		degrees to core axis.															
		Rare pyrite on fractures.															
		477.30 6cm fractured/broken section of sga.															
		487.70 493.10 Grey to dark grey, slightly more															

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(%) %
		carbonatized section of broken core with a few gouge filled slips, 55-60% rqd.															
		Lower contact at 75-80 degrees to core axis.															
493.10	516.80	GRANODIORITE															
		Granodiorite.															
		Grey to dark grey, fine grained, massive, homogeneous, very hard, non magnetic, porpheritic, fractured.															
		10% White to clear white quartz and feldspar phenocrysts.															
		RQD of 70-75% with a few sections of broken core.															
		Fracturing at 60-70 degrees to core axis with dark green thin serpentine fracture filling.															
		1-2% White quartz with some calcite stringer/veinlets at various angles from 20, 50 and 75-80.															
		Trace yellow-brown pyrite associated with stringers/fractures.															
		504.20 506.00 Broken/fractured core 50% rqd.															
		505.30 18cm dark grey-black mesocumulate peridotite, carbonatized and weakly faulted section.															
		505.80 506.20 Dark black, mesocumulate peridotite, weakly fractured at 75-80 degrees to core axis (discs).															
		Lower contact at 70 tca.															
516.80	518.50	GRAPHITIC ARGILLITE															
		Graphitic argillite.															
		Dark black, very fine grained, massive, homogeneous, moderately hard, weakly magnetic (?), highly conductive.															
		Pervasive graphitic alteration with some greyish serpentine alteration (?).															
		Good RQD of 85% with fracturing at 70 degrees to core axis, minor local thin silver-black graphitic fracture filling.															
		Mineralization consists of 1-2% brown pyrite as stringers or associated with stringers and on fracture, 1% or so brown pyrrhotite disseminated in matrix, associated with stringers and locally as 3-5mm tear drop type blebs.															
		1-2% Greyish-white serpentine-calcite stringers as irregular, hairlike stringers.															
		Lower contact at 60 tca.															
518.50	526.30	KOMATIITIC PERID0TITE															
		Komatiitic peridotite.															
		Grey-black, fine grained, hard, non magnetic,															

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 komatiitic peridotite cut by several brownish-red felsic to intermediate dykelets. Alteration consists of pervasive patchy grey-white carbonate alteration. RQD of 70% with local blocky/broken core. Fracturing at 60 degrees to core axis with very thin serpentine fracture filling and a few scattered graphitic fractures. 0.5%-1% Wispy hairlike calcite stringers. 0.5% Light yellow coarse pyrite as a few irregular stringers, local disseminations but generally associated with stringers/fractures.														
		521.70 522.30 Brown-red felsic to intermediate dyke, medium grained, massive, homogeneous, hard, pervasively calcite altered, 0.5% coarse pyrite stringers, contacts 60-65 tca.														
		522.50 19cm FELSIC INTRUSIVE (UNDIFFERENTIATED), same as 521.7-522.3m, trace pyrite.														
		523.30 20cm FELSIC INTRUSIVE (UNDIFFERENTIATED), same as 521.7-522.3m, trace pyrite.														
		523.30 18cm FELSIC INTRUSIVE (UNDIFFERENTIATED), same as 521.7-522.3m, trace pyrite.														
		Lower contact in broken core, 35 tca.														
526.30	540.70	GRANODIORITE														
		Granodiorite. Not typical unit, light grey, bleached (?), very fine grained, massive, homogeneous, hard to very hard, non magnetic, locally fractured and porpheritic. No reaction to HCl, locally silicified. Decent overall RQD of 80% with a few fractured/broken core sections. Fracturing at 20-40 degrees to core axis with thin green serpentine fracture filling. Sulphide mineralization consists of yellow pyrite smears on fractures. 0.5% White-grey calcite and quartz stringers at 20 tca.														
		526.30 528.50 Broken core, 60% RQD, 2% quartz phenocrysts.														
		Lower contact at 65 tca.														
540.70	551.00	KOMATIITIC PERID0TITE														
		Komatiitic peridotite. Light grey bleached unit with a few dark black sections, fine grained, foliated, moderately hard,														

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(%) %
		non magnetic.															
		Pervasive carbonate bleaching.															
		Good RQD of 80% with localized broken core.															
		Fracturing at 30-40 degrees to core axis with															
		serpentine and carbonate fracture filling.															
		Poorly developed foliation in sections throughout															
		unit.															
		2% Very low angle grey-white carbonate stringers.															
		No visible sulphide mineralization.															
		540.70 541.30 Talc altered broken core, 70% rqd.															
551.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349324.00
Easting:	497421.30
Elevation:	296.68
Collar Azi.:	324.2
Collar Dip:	-50.2
Hole length:	503.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Fowler/K. Montgomery
Date(s) logged:	Nov. 14, 2007
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
17	325.0	-50.1
68	324.8	-50.6
119	323.8	-50.4
170	324.7	-50.5
221	323.1	-50.5
272	324.4	-50.5
323	323.6	-50.4
374	325.8	-50.8
476	324.7	-49.9

Drill Hole:	GCL7-40
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	100N
Easting:	125W
GPS Northing:	5349324.25
GPS Easting:	497421.28
Date Started:	Nov. 13, 2007
Date completed:	Nov. 21, 2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	3.10	OVERBURDEN 3.2m Of casing.															
3.10	73.40	GRANODIORITE Light-grey, light-brown, weathered (0-29.2m), fine grained, non-magnetic to magnetic horizons of granodiorite consisting of 50% biotite, 20% amphibole, 10% k-feldspar and 20% quartz. Alteration: moderate alteration to weathered constituents of the mica family. In the weathered zone the percentages of biotite are greater than the percentages where the biotite is not affected by weathering processes. Trace to blebs of pyrite in some sections in crosscutting calcite veins. Magnetic zone: 63.05-65.55m. Structure: competent rqd-90. Lower contact sharp, 55 to ca.															
73.40	146.00	KOMATIITIC PERID0TITE ADCUMULATE Grey-black, fine grained, non-magnetic adcumulate peridotite consisting of 80% subrounded, 2% bladed laths of olivine in a white aphanitic serpentinized matrix. Alteration: weak to moderate serpentinization.															

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 sulphides.															
		Structure: weakly fractured RQD - 95.															
		120.20 121.00 Trace sulphides mainly along fractures															
		133.45 133.85 Magnetic zone.															
146.00	152.25	KOMATIITIC PERIDOTITE BRECCIA															
		Black dark grey, non-magnetic adcumulate fragments															
		in a mesocumulate peridotite matrix. Texture															
		consists of chunks of 80% olivine subrounded grains															
		in with a serpentinized, aphanitic matrix. The															
		matrix consists of 70% olivine in bladed clusters															
		with strongly serpentinized matrix.															
		Alteration: strong serpentization in matrix.															
		Structure: strong fracturing rqd-50.															
152.25	161.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Black-dark-green, non-magnetic, adcumulate															
		peridotite with 80% subrounded olivine's in a white															
		aphanitic, matrix.															
		Alteration: strong serpentinization.															
		Structure: weak fracturing, rqd-85.															
		Lower contact gradational.															
161.00	175.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Black-dark green, fine grained, non-magnetic															
		spinifex komatiitic peridotite with 60-70% olivine															
		blades(1-2mm) in a white, serpentinized, aphanitic															
		mesocumulate matrix.															
		Alteration: moderate serpentinization.															
		Structure: competent, weak fracturing, rqd-85.															
		Lower contact gradational.															
175.40	180.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Black-dark grey, very fine grained, non-magnetic,															
		adcumulate peridotite with 80% sub-rounded, olivine															
		grains with5-10% bladed laths of olivine in a white															
		aphanitic serpentinized matrix.															
		Alteration: weakly serpentinized.															
		Structure: weak fracturing, rqd-88.															
		Lower contact sharp.															
180.60	209.20	GRANODIORITE															
		Pink-light grey, hard, massive, granodiorite															
		consisting of 10% amphibole, 20% plagioclase, 30% k															
		spar, 40% quartz +/- trace biotite sulphides.															
		Alteration: very weak argillic alteration.															
		Structure: rarely fractured, rqd-97.															
		Lower contact defined by breccia with fragments of															
		GRANODIORITE with a serpentinized, calcareous															
		matrix.															

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(%) %
209.20	220.50	KOMATIITIC PERID0TITE ADCUMULATE Black- dark grey, soft, non-magnetic, very fine grained, peridotite consisting of serpentinized adcumulate with small fractures with calcite infill. Alteration: weak serpentinization structure: competent. 215.00 215.50 Breccia zone-. 219.30 220.70 Breccia zone. Lower contact sharp, 40 to ca.															
220.50	228.20	GRAPHITIC ARGILLITE Black- dark grey, very soft, black streak, non-magnetic, very fine grained, graphite zone with very weak alteration. Alteration: none. Structure: strong fragmentation rqd-50.															
228.20	231.50	KOMATIITIC PERID0TITE ADCUMULATE Black- dark green, soft, non-magnetic, fine grained, peridotite adcumulate consisting of serpentinized matrix with 80% olivine sub-rounded grains. Alteration: serpentinized, weak. Structure: moderately fractured, rqd-80.															
231.50	235.00	GRAPHITIC ARGILLITE Black, very soft, black streak, non-magnetic, very fine grained, graphitic zone with very weak serpentine alteration. Alteration: cumulative to lower contact, serpentine. Structure: strong fragmentation rqd-55. Lower contact sharp, 15 to ca.															
235.00	259.90	KOMATIITIC PERIDOTITE MESOCUMULATE Grey- black- light grey, soft, non-magnetic, vfg-fg, peridotite mesocumulate consisting of a serpentinized matrix with 65% subrounded to small (1mm) lathes of olivine. Alteration: serpentinized, varying degrees, weak to moderate. Structure: moderately fractured, rqd- 65%, in places rqd-85. Lower contact sharp, 50 to ca.															
259.90	269.80	KOMATIITIC SPINIFEX PERIDOTITE Black to dark green, vfg-fg, non-magnetic, olivine spinifex textured, komatiite. It consists of olivine blade clusters with a pale green aphanitic matrix. Alteration: moderate serpentinization. Minor carbonate-calcite stringers.															

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(%) %
		Structure: weakly fractured, rqd-85.															
		269.50 269.70 Fault gouge.															
		Lower contact gradational.															
269.80	280.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Green, vfg-fg, non-magnetic, mesocumulate															
		peridotite (75-80% olivine grains a white aphanitic															
		matrix).															
		It is cut by 2-3% pale green-white,															
		carbonate-serpentine fractures to veinlets,															
		randomly oriented. Nil sulphides.															
		270.50 270.70 Calcite vein.															
		Lower contact gradational.															
280.60	372.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Black to dark green, vfg-fg, non-magnetic,															
		adcumulate peridotite (80% olivine subrounded															
		grains and blades in a white aphanitic matrix).															
		Alteration: weak to moderate pervasive															
		serpentinization with local intense patches about															
		fractures.															
		Structure: weakly fractured, rqd-90.															
		280.60 305.70 1-3% white, very fine grained,															
		carbonate and pale green															
		carbonate-serpentine fractures to															
		veinlets (0.5-1 cm). Fracture breccia															
		zone at 293.3-293.8 metre (20% white															
		carbonate filled fractures).															
		305.70 307.70 Breccia zone- 15% white very fine															
		grained carbonate filled fractures															
		causing tectonic brecciation of the															
		adcumulate.															
		327.50 333.00 Alteration: grey bleached sections of															
		moderate pervasive carbonatization															
		(1-1.2 metre of core length).															
		339.40 342.50 Crackle brecciation due to calcite															
		filled fracturing.															
		356.00 372.10 2-3% white very fine grained															
		carbonate-serpentine															
		veinlets/fractures.															
372.10	397.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Light green, vfg-fg non-magnetic altered olivine															
		spinifex textured mesocumulate peridotite (70-80%															
		olivine cumulate grains to fine laths with patchy															
		platy to knobby spinifex textured sections).															
		Alteration: moderate to intense pervasive															
		serpentinization and carbonatization.															
		Structure: weak fracturing rqd-90 to 85. Min: local															
		small patches up to 1%.															
		372.10 374.00 Crackle brecciation- 2-3% fine															

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(%) %
		fractures with dark green serpentine halos. Flow top brecciation?.															
		395.00 397.20 Mottled section-dark green to blackish green adcumulate blocks surrounded by mesocumulate, possible flow top bottom section.															
		Lower contact gradational.															
397.20	443.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 277.6 to 372.1 m.															
		It is cut by 3-4% white, carbonate fine fractures to veinlets randomly oriented. Trace sulphides with local higher 0.5% sections.															
		Structure: weakly fractured, rqd-90.															
		425.00 435.00 Alteration: patchy light green serpentinization sections which typically have higher matrix 15-20%.															
		442.60 443.60 Alteration: moderate pervasive carbonatization and serpentinization halo about dyke.															
		Lower contact sharp, 30 to ca.															
443.60	446.25	GRANODIORITE															
		Light pink, fine grained, massive, homogenous, granodiorite dyke. It consists of 20% green chloritic amphiboles interlocked with 60% clear quartz and 20% white feldspar.															
		Structure: strong fracturing rqd-50.															
		Lower contact sharp, 30 to ca.															
446.25	483.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to dark green, mottled, very fine grained, non-magnetic, massive, altered, mesocumulate peridotite.															
		It is comprised of dark grey carbonatized olivine cumulate grains (65-75%) in a white aphanitic carbonate rich matrix.															
		Below 451.5 metre,, mostly dark green serpentinized mesocumulate peridotite. It is cut by 2-3% irregular white to pale green serpentine-carbonate veinlets to stringers down to 455.5 m.															
		Structure: weakly fractured, rqd-85-90.															
		453.80 457.15 Dark green, very fine grained, serpentinized adcumulate peridotite section.															
		455.00 456.00 Min: 0.5-1% vfg-fg, brassy pyrrhotite disseminations.															
		457.15 460.40 Green to grey very fine grained mottled serpentinized mesocumulate peridotite. The section contains fine olivine laths (spinifex?). Very fine															

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 filled microfractures.															
		460.40 463.30 Bleached pale green apahanitic felt textured completely serpentinized and carbonatized section.															
		463.30 468.00 Grey, very fine grained, carbonatized mesocumulate peridotite.															
		468.00 471.40 Black, very fine grained, non-magnetic adcumulate peridotite with mesocumulate patches.															
		471.40 483.30 Light green, very fine grained, moderately serpentinized mesocumulate peridotite.															
		Lower contact sharp, 40 to ca.															
483.30	497.70	INTERMEDIATE DYKE															
		Grey to greenish grey, very fine grained, non-magnetic, locally feldspar porphyritic intermediate intrusive.															
		The intrusive is composed of interlocked pale green chloritic mafic phenocrysts (30-40%), white plagioclase laths and grey quartz phenocrysts.															
		Min: locally 0.5% cubic fine grained, brassy pyrite disseminations.															
		Structure: weak fractures at low angles to core axis causing poorly rqd-65.															
		Porphyritic sections of 20-30% white medium (0.5-1 cm) plagioclase phenocrysts at 485-485.85, 486.4-487.9 metre and 489.1-491 m.															
		Lower contact sharp, 5 to ca.															
497.70	503.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 446.25 to 483.3 metre, below 500 metre minor graphite in filling fracture slips.															
		Structure: moderate fracturing rqd-65.															
503.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349288.00
Easting:	497666.60
Elevation:	294.53
Collar Azi.:	319.4
Collar Dip:	-54.5
Hole length:	542.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	November 22,2007
Purpose:	N/A
Core storage:	Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
23	321.0	-54.9
74	323.4	-54.5
125	321.1	-54.6
176	322.9	-54.1
227	322.7	-53.4
278	325.7	-53.4
329	325.8	-53.8
380	325.8	-54.2
431	326.8	-54.0
482	326.0	-54.1
533	326.9	-53.4

Drill Hole:	GCL7-39
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	0+78S
Easting:	0+50E
GPS Northing:	5349287.66
GPS Easting:	497666.63
Date Started:	November 14,2007
Date completed:	November 27,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	15.00	OVERBURDEN															
		15m Of nw casing.															
15.00	30.40	FELDSPAR PORPHYRY															
		Feldspar porphyry.															
		Dark grey, fine grained, massive, homogeneous, very															
		hard, non magnetic, porpheritic.															
		No reaction to HCl, local weakly silicified.															
		10% White feldspar phenocrysts, average size 4-5mm,															
		sub rounded.															
		5% Black around 1mm specks of biotite.															
		Good RQD of 85% with a few very minor sections of															
		broken core.															
		Fracturing at 65 degrees to core axis with very															
		thin serpentine and calcite fracture filling.															
		Rare hairlike, white calcite stringers at 75 tca.															
		Rare coarse dull yellow pyrite.															
		Lower contact at 30 tca.															
30.40	45.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate (carbonatized).															
		Dark black, fine grained, massive, homogeneous,															
		moderately hard, non magnetic.															
		Weak with local moderate carbonatization.															
		Good RQD of 75-80% with a few very minor sections															

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(%) %
		of broken core.															
		Fracturing at 30, 65 and 75 degrees to core axis															
		with very thin carbonate fracture filling.															
		Minor sections of poorly developed foliation at 65															
		degrees to core axis.															
		2-3% White carbonate stringers at 50-60 tca.															
		Rare dull yellow pyrite on fractures.															
		Sharp lower contact around 35 tca.															
45.10	328.60	GRANODIORITE															
		Granodiorite.															
		Dark grey-grey, fine grained, massive, homogeneous,															
		very hard, non magnetic, slightly porpheritic.															
		No reaction to HCl, local weakly silicified, minor															
		patches of orange-pink potassic alteration.															
		5% 1-3mm Sub rounded feldspar phenocrysts.															
		Good RQD of 80% with a few localized sections of															
		fractured/broken core.															
		Fracturing at 30 and 40 degrees to core axis nil to															
		very thin serpentine fracture filling, occasional															
		potassic fractures.															
		Numerous emerald green fragments from 5mm to 1.5cm															
		sized, angular, increasing occurrence with depth,															
		basalt fragments (?).															
		0.5% Scattered, hairlike calcite-quartz stringers															
		at various angles.															
		Scattered milky white quartz veinlets/veins at 60															
		and 80 degrees to core axis, average 5mm veinlets															
		with veins from 5-8 cm, local potassic alteration															
		around veins.															
		Trace amounts of dull yellow brown pyrite in matrix															
		and on fractures.															
		103.00 107.00 Broken/fractures core, 60% rqd.															
		120.50 121.40 Beige-grey, silicified-potassic															
		section, brecciated, healed with															
		chlorite, trace pyrite.															
		150.30 150.80 Beige, silicified-potassic, weakly															
		brecciated with mostly quartz and															
		some chlorite healing, 5% quartz															
		veining.															
		158.80 159.60 Pervasive beige-brown potassic															
		altered section.															
		182.80 12cm white, barren quartz vein.															
		180.00 213.00 Patchy beige potassic, silicified,															
		brecciated sections with dark green															
		serpentine healing. Mineralization															
		consists of trace-0.5% po-py and a															
		local speck of chalcopyrite with															
		higher concentrations around															
		serpentine stringers/fractures/															
		brecciation and potassic 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(%) %
		221.00 222.60 As above, beige, potassic, trace pyrite.															
		227.10 227.80 As above, beige, potassic, trace pyrite, 0.5% green serpentine filled fractures, stringers and local brecciation.															
		230.00 279.50 Decreased beige potassic alteration with slight increase in angular serpentine fragments, roughly 2-3 per meter, rare trace amount of brown-dark yellow pyrite and brassy brown po.															
		279.50 312.80 Barren, massive section with trace pyrite, a few scattered sections of variable angled calcite stringers.															
		312.80 328.60 30% beige-grey silicified, potassic and pale green serpentine altered, trace pyrite, 1% green to dark green serpentine stringers at 70-80 tca.															
		Lower contact at 70-75 tca.															
328.60	330.80	FAULT ZONE															
		Fault zone in komatiitic peridotite mesocumulate (carbonatized).															
		Grey-black ground up cobble sized rock fragments, clay serpentine fault gouge/ ground up rock throughout on fractures.															
		0% RQD and poorly recovery of maybe 50-60%.															
		Gradual lower contact.															
330.80	352.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate (carbonatized).															
		Grey-black, fine grained, massive, homogeneous, moderately hard-hard, non magnetic.															
		Weakly to moderately carbonatized.															
		Decent RQD of 80% with a few minor sections of broken core.															
		Fracturing at 60-70 degrees to core axis with dark green serpentine and white carbonate fracture filling.															
		Mineralization consists of 2-3% white to grey-white calcite and carbonate stringers at various angles of 30, 50 and 60 degrees to core axis, trace brown-yellow pyrite.															
		Sharp lower contact around 35 tca.															
352.00	361.50	GRANODIORITE															
		Granodiorite.															
		Same general composition of granodiorite from 45.1-328.6.															
		Weakly silicified, no reaction to HCl, rare very															

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(%) %
		minor potassic alteration.															
		RQD of 65-75% with a few sections of broken core.															
		Fracturing at 30 and 60 degrees to core axis with															
		dark green serpentine fracture filling.															
		Scattered hairlike calcite stringers at 30 tca.															
		Trace pyrite.															
		Sharp lower contact around 25 tca.															
361.50	363.60	KOMATIITIC PERID0TITE															
		Komatiitic peridotite.															
		Dark black grey, fine grained, fractured,															
		brecciated, hard to very hard, non magnetic.															
		Unit a mix of 5% GRAPHITIC ARGILLITE, 5%															
		GRANODIORITE and 90% KOMATIITIC PERID0TITE, which															
		results in sections of graphitic, calcite and															
		silicification.															
		RQD of 60% with localized broken core.															
		Fracturing at 0-30 degrees to core axis with mix of															
		mostly graphite and some calcite fracture filling.															
		1% Swirls of calcite and scattered hairlike calcite															
		stringers.															
		0.5%-1% Coarse pyrite.															
		Lower contact at 75 tca.															
363.60	365.00	GRAPHITIC ARGILLITE															
		Graphitic argillite.															
		Dark black, fine grained, massive, homogeneous,															
		hard, non magnetic, moderate to strong conductivity.															
		Weakly calcite and graphite altered.															
		Good RQD of 85% with minor fracturing at 50-60															
		degrees to core axis with very thin graphite															
		fracture filling.															
		1-2% Yellow-brown pyrite as semi massive bands.															
		Lower contact at 60 tca.															
365.00	368.90	KOMATIITIC PERID0TITE															
		Komatiitic peridotite.															
		Grey-black, fine grained, massive, homogeneous,															
		moderately hard-hard, non magnetic.															
		Variably altered from calcite, serpentine, graphite															
		and silicification.															
		Good RQD of 85% with minor fracturing at 50-60															
		degrees to core axis with very thin serpentine															
		fracture filling.															
		1% Calcite stringers at 50-60 tca.															
		Trace pyrite.															
		366.20 18.00 Cm milky white calcite vein.															
		376.50 14cm White-grey silicified quartz-calcite															
		vein.															
		Lower contact at.															

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(%) %
368.90	502.30	GRANODIORITE															
		Granodiorite.															
		Grey to dark grey, fine-medium grained, massive,															
		homogeneous, hard, non magnetic.															
		Locally silicified and potassic alterations.															
		Good RQD of 85-90% with a few minor sections of															
		broken core.															
		Fracturing at 30-50 degrees to core axis with thin															
		green serpentine fracture filling.															
		Trace-0.5% white calcite-quartz stringers at 50															
		degrees to core axis scattered throughout unit.															
		Angular green serpentine fragments with trace															
		pyrrhotite throughout, 1-2 fragments every 2 or 3m															
		with a few sections of higher concentrations.															
		Trace-0.5% pyrite associated with															
		stringers/fractures.															
		384.00 394.00 Patchy beige potassic-silicified															
		sections with trace															
		pyrite-pyrrhotite, pyrrhotite															
		associated with serpentine fragments.															
		425.00 434.30 Pervasive potassic alteration,															
		silicified, trace pyrite and															
		pyrrhotite associated with															
		calcite-serpentine															
		stringers/fractures.															
		439.50 442.00 Beige potassic section altered by															
		greenish serpentine alteration, nil															
		to trace py.															
		443.00 449.00 Pervasive potassic alteration,															
		silicified, trace-0.5% pyrite and															
		pyrrhotite associated with															
		calcite-serpentine															
		stringers/fractures.															
		449.00 451.50 Brownish-grey, fine grained															
		granodiorite dyke (?), massive,															
		homogeneous, patchy weak															
		silicification and potassic															
		alteration, sharp contacts at 70 and															
		40 tca.															
		451.50 502.30 Patchy pervasive potassic alteration															
		with trace po-py associated with															
		stringers fractures with a series of															
		75-80 degrees to core axis quartz															
		stringers around 459m.															
		Lower contact at 50 tca.															
502.30	542.00	GRANODIORITE															
		Granodiorite.															
		Dark grey, fine grained, massive, homogeneous, very															
		hard, non magnetic, weakly porpheritic (3%).															
		No reaction to HCl, weakly serpentine 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(%) %
		chlorite (?).															
		3% White plagioclase phenocrysts scattered throughout with 1-2% green amphiboles (hornblende). Excellent RQD of 90% with fracturing at 50-60 degrees to core axis and very thin serpentine-calcite fracture filling.															
		1% White-grey calcite with some green serpentine stringers at 30, 50 and 60 tca.															
		0.5-1% Brownish yellow, fairly cubic pyrite scattered throughout.															
542.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349450.00
Easting:	497329.60
Elevation:	290.93
Collar Azi.:	324.1
Collar Dip:	-48.0
Hole length:	350.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Fowler
Date(s) logged:	November 7, 2007
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
35	324.6	-46.4
86	325.5	-47.0
137	326.3	-46.9
188	323.9	-47.3
239	325.5	-48.1
290	325.6	-48.1
350	324.9	-48.5

Drill Hole:	GCL7-38
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	250N
Easting:	125W
GPS Northing:	5349449.18
GPS Easting:	497329.57
Date Started:	November 8, 2007
Date completed:	November 12, 2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	25.10	OVERBURDEN															
		24.40 Metre of casing.															
25.10	38.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark green, vfg-fg, non-magnetic, altered, mesocumulate peridotite flow. Consisting of 70% black subrounded olivine grains in a light grey, white aphanitic serpentinized matrix. Nil sulphides, rare to very minor carb-serp veinlets. Alteration: moderate to weak pervasive and serpentization. Structure: weak to moderate fracturing, rqd-70.															
		31.30 32.00 Blocky core moderate fracturing rqd-60.															
		33.10 33.40 Blocky core with clayey fault gouge (green) rqd-40.															
		33.60 37.40 Min: trace very fine grained disseminated sulphides.															
		37.40 38.00 Crackle breccia with carbonatization and serpentinization fracture infill.															
38.00	45.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey - black, adcumulate peridotite consisting of 90%, black sub-rounded olivine grains in a white to light grey aphanitic slightly serpentinized															

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(%) %
		matrix.															
		Trace sulphides.															
		Alteration: weak alteration slightly serpentinized.															
		Structure: weakly fractured RQD - 95.															
45.80	51.05	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Green, soft, non-magnetic, mesocumulate peridotite															
		consisting of 70% black subrounded olivine grains															
		in a white aphanitic carbonatized, serpentinized															
		matrix.															
		Nil sulphides. The unit is cut by 1-2% white to															
		pale green serpentine-carbonate veinlets/stringers.															
		Alteration: moderate to pervasive serpentization.															
		Structure: competent rqd-90.															
		Lower contact gradational with increasing abundance															
		of olivine spinifex peridotite.															
51.05	71.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Green-dark grey olivine rich mesocumulate															
		peridotite with chevron spinifex texture. This															
		texture consists of small olivine lath clumps in a															
		light-grey white aphanitic matrix.															
		Alteration: moderately to strongly serpentinized.															
		Structure: strongly fractured rqd-40 (51.05-62.5)															
		then moderate fracturing rqd-70.															
		Mineralization: very fine grained scattered															
		sulphides.															
		51.05 51.30 Crackle breccia with calcite fracture															
		infill (flow top breccia).															
		52.70 54.30 Fractured zone rqd-50.															
		54.70 62.70 Blocky, strong fracture zone rqd-50.															
		Lower contact defined by the decreasing abundance															
		of olivine spinifex peridotite.															
71.00	81.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Green-dark grey olivine rich mesocumulate															
		peridotite consisting of small laths (2-5mm, 5-7%)															
		in a light grey-white aphanitic serpentinized															
		matrix.															
		Alteration: moderate to strongly serpentization															
		with pistachio green serpentine and calcite in															
		fracture infills.															
		Structure: weakly fractured rqd-80.															
		79.00 81.00 Strongly fractured rqd-65.															
		Lower contact marked by blocky fracturing, sharp															
		but indiscernible due to fracturing.															
81.00	83.10	GREYWACKE															
		Light grey, very hard, very fine grained,															
		non-magnetic, silicified greywacke with (20%)															
		amphibole laths and distinctive minor hornblende.															

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(%) %
		Alteration: strongly serpentinized. Nil sulphides.															
		Structure: strong fracturing along gradational															
		contacts, rqd-70.															
		Lower contact gradational with increasing amounts															
		of graphite.															
83.10	83.50	GRAPHITIC ARGILLITE															
		Black, graphitic argillite composed of 80-85%, very															
		fine grained graphite in a light green															
		orthocumulate matrix.															
		Alteration: moderate serpentization structure:															
		strong fracturing rqd-70.															
		Lower contact sharp.															
83.50	89.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Light grey-dark grey, non-magnetic, very fine															
		grained, minor graphite mesocumulate															
		peridotite(60-75% black olivine laths in a white															
		aphanitic matrix).															
		Alteration: moderate serpentization.															
		Structure: weak fracturing, rqd-90.															
		91.00 92.50 2-3% very fine (<1 mm) black chlorite															
		microfractures.															
		Lower contact sharp, 40 to ca.															
89.20	92.50	DIABASE															
		Dark grey, non-magnetic, moderately hard, diabase															
		intrusive with phenocrysts (1mm, 5-10%) of															
		black-dark green hornblende in a fine grained															
		matrix of plagioclase (20-30%), k-feldspar (25-30%)															
		and quartz (20-40%).															
		Alteration: weak alteration, minor carbonatization.															
		Nil sulphides.															
		Structure: weakly fractured rqd-90.															
		Lower contact sharp, 30 to ca.															
92.50	107.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		92.50 102.90 Green serpentinized mesocumulate															
		consisting of 60-70% subrounded to															
		bladed serpentinized olivine grains in															
		a white aphanitic carbonate-serpentine															
		matrix.															
		92.50 93.60 Blocky core rqd-0 due to low angle															
		fractures.															
		Alteration: strong serpentinized alteration.															
		Structure: competent, rqd-85.															
		101.00 101.60 Fault gouge green clayey.															
		102.90 103.20 Black-dark grey adcumulate consisting															
		of 80-85%, sub-rounded olivine grains															
		in a light-grey, aphanitic															
		serpentinized matrix.															

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 sharp marked by light-green clay.															
		103.20 107.00 Green-light grey, mesocumulate consisting of 60% subrounded olivine grains in white, aphanitic serpentinized matrix.															
		Alteration: strongly serpentinized.															
		Graphite fine black microfractures and local graphite flakes/disseminations.															
		Structure: weak fracturing rqd-80.															
107.00	163.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Black adcumulate peridotite consisting of 85-90% subrounded olivine grains in a serpentinized aphanitic matrix.															
		Alteration: weak serpentinized alteration with calcite/chlorite fracture infills.															
		Structure: competent rqd-90.															
		122.25 122.35 Calcite vein white massive core axis - 90.															
		112.40 112.60 Black very fine grained soft graphite composed of 80-85% black/vfg graphite with light-green orthocumulate (20-30%) black/fine olivine cumulate grains in a green aphanitic matrix.															
		Structure: moderate fracturing rqd-70.															
		131.85 133.35 Crackle breccia with calcite infill.															
		141.00 141.60 Same as above.															
		Lower contact highly fractured, orientation indiscernible.															
163.90	165.30	GRAPHITIC ARGILLITE															
		Black vfg-aphanitic soft graphitic argillite with low angle core axis fractures.															
		Structure: locally blocky core rqd-70.															
		Lower contact sharp, 40 to ca.															
165.30	187.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Green-light grey, mesocumulate peridotite consisting of 70% subrounded olivine with 5-7% olivine blades/laths grains in white, aphanitic serpentinized matrix.															
		Alteration: moderate to strong serpentinization.															
		Structure: weak fracturing rqd-90.															
		Lower contact gradational.															
187.10	207.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green-dark grey adcumulate peridotite consisting of 85% subrounded and clusters of olivine blades randomly oriented in a white, aphanitic serpentinized matrix.															
		Alteration: moderate to strong serpentinization.															

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(%) %
		Structure: weak fracturing rqd-90.															
		190.50 190.80 Mottled potassic holed texture of olivine blades/laths.															
		196.80 199.50 Block fracturing rqd-70.															
		200.90 202.30 Intense pistachio green pervasive serpentine alteration.															
		207.10 207.70 Flow banding.															
		Lower contact defined by cross-cutting calcite vein with crackle breccia.															
207.50	211.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark green, very fine grained, soft, non-magnetic, mesocumulate peridotite.															
		It is cut by 30-35% pale green-white, carbonate-serpentine stringers, randomly oriented.															
		Lower contact is very wavy but sharp at low angle to core axis.															
211.70	218.25	KOMATIITIC PERID0TITE ADCUMULATE															
		Black-dark green, adcumulate peridotite consisting of 90% subrounded to bladed laths of olivine randomly oriented in clusters with a white-light green aphanitic matrix.															
		Alteration: weak to moderate serpentinization.															
		Structure: weak fracturing, rqd-98.															
		215.50 215.55 Crackle breccia with chloritized calcite infill.															
		218.20 218.25 Crackle breccia with chloritized calcareous infill.															
		Lower contact sharp 70 to ca.															
218.25	230.30	KOMATIITIC SPINIFEX PERIDOTITE															
		Light green, randomly oriented, bladed spinifex textured peridotite consisting 20-30% laths of thin olivine in fanned clusters within a white, serpentinized aphanitic matrix.															
		Alteration: weak serpentinization.															
		Structure: weakly fractured rqd-90.															
		Lower contact is possibly sharp 75 to ca.															
230.30	241.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Black-dark green, adcumulate peridotite consisting of 80% subrounded to blades of olivine in a white aphanitic serpentinized matrix.															
		Alteration: light green bands of carbonatized, serpentinized peridotite enveloping calcite filled vein fractures.															
		Structure: weakly fractured, rqd-85.															
		236.10 236.30 Salmon pink-orange calcite vein.															
		Lower contact marked by white crystalline calcite vein (8.0cm thick).															

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(%) %
241.00	250.40	KOMATIITIC PERIDOTITE MESOCUMULATE Black-dark grey-light green, mottled, mesocumulate peridotite consisting of 70% olivine subrounded to bladed laths in a white-pistachio green aphanitic serpentinized matrix. Mottled fractured sections of calcite infill with carbonitized-chloritized alteration. Alteration: moderate serpentization. Structure: weak fracturing, rqd-90. Lower contact gradational.															
250.40	276.00	KOMATIITIC PERID0TITE ADCUMULATE Black-dark grey adcumulate peridotite consisting of 75-85% olivine grains (subrounded to clusters of bladed laths) in a white-light grey aphanitic serpentinized matrix. Sections of fractured core with calcite infill with minor chlorite. Alteration: pervasive to strong at upper contact, serpentinized. Structure: weak fracturing, rqd-90. 261.80 271.00 Crackle breccia with white calcite infill rqd-60. Lower contact sharp defined by powdered calcite vein, 40 to core axis.															
276.00	280.90	KOMATIITIC PERIDOTITE MESOCUMULATE Black-dark green-dark grey, very fine grained, non-magnetic, mesocumulate peridotite consisting of 70% subrounded olivine grains in a white aphanitic matrix. Nil sulphides. 278.20 278.60 Crackle breccia with white calcite infill. Lower contact sharp, 40 to ca.															
280.90	288.00	KOMATIITIC SPINIFEX PERIDOTITE Dark grey-green-black random bladed laths of olivine spinifex textured komatiite consisting of 20-25% thin (0.5-1.0mm) needles of olivine in serpentinized aphanitic mesocumulate matrix. Alteration: moderate to strong sections of carbonization and serpentization. Structure: some blocky sections (282.3-283.3), rqd-60, most rqd-90. Lower contact gradational.															
288.00	291.60	KOMATIITIC PERIDOTITE MESOCUMULATE Light-green-black, non-magnetic, very fine grained, mesocumulate peridotite consisting of ~70% subrounded olivine grains, ~8to10% bladed olivine															

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(%) %
		laths in a white matrix, serpentinized matrix.															
		Trace sulphides in crackle breccia.															
		Alteration: weakly serpentinized, weakly															
		carbonatized.															
		Structure: weakly fractured rqd-85.															
		Lower contact defined by crackle breccia with															
		calcite infill.															
291.60	299.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Grey-black, very fine grained, non-magnetic,															
		adcumulate peridotite consisting of 80% subrounded															
		olivine grains in a white, serpentinized aphanitic															
		matrix. Trace disseminated pyrrhotite and															
		pentlandite.															
		296.40 297.70 Crackle breccia- calcite filled															
		fractures.															
		Alteration: weak to strong crackle breccia															
		carbonization and serpentization.															
		Structure: weak fracturing, rqd-90.															
		Lower contact sharp 30 to core axis.															
299.90	301.90	GRAPHITIC ARGILLITE															
		Black-dark grey, soft, very fine grained,															
		non-magnetic, massive graphitic argillite.															
		Structure: friable to blocky, rqd-65. Nil sulphides.															
		Structure: weakly fractured rqd-85.															
		Lower contact sharp, 15 to core axis.															
301.90	314.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Light grey to locally black, non-magnetic, very															
		fine grained, mesocumulate peridotite consisting of															
		90% subrounded olivine grains and5% small (1-2mm)															
		olivine laths in a white carbonatized,															
		serpentinized aphanitic matrix.															
		Alteration: moderate carbonatization.															
		311.30 311.60 Crackle breccia with calcite infill															
		and strong serpentization and															
		carbonization.															
314.60	338.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey, white speckled, very fine grained,															
		non-magnetic, soft, mesocumulate peridotite. It															
		consists of 70% subrounded olivine grains in a															
		white, serpentinized aphanitic matrix. Trace															
		sulphides to blebs (1-2mm) pyrrhotite and															
		pentlandite.															
		Alteration: weak to moderate carbonatization below															
		326 m.															
		Structure: weak fracturing, rqd-90.															
		Lower contact gradational.															

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(%) %
338.30	340.60	KOMATIITIC PERIDOTITE SHEARED Black-dark green, soft, very fine grained, non-magnetic, sheared graphitic mesocumulate peridotite. The upper particularly is strongly graphitic (338.3-339.1 m), then 30% black graphite wisps to wispy seams. Alteration: weak serpentinization. Structure: weak fracturing, rqd-80 and moderate shearing 30 to ca. Lower contact gradational.															
340.60	350.00	KOMATIITIC PERID0TITE ADCUMULATE Grey-black, fine grained, non-magnetic adcumulate peridotite consisting of 80% subrounded, 2% bladed olivine grains in a white aphanitic, carbonatized, serpentinized matrix. Alteration: very strong carbonatization and serpentization with abundant randomly oriented talc-calcareous stringers. Structure: weak fracturing, rqd-80.															
350.00		END OF HOLE															

DRILL HOLE RECORD

Northing:	5349411.00
Easting:	497698.80
Elevation:	291.11
Collar Azi.:	318.7
Collar Dip:	-43.8
Hole length:	500.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	November 13,2007
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
32	317.9	-44.0
83	318.7	-44.6
134	321.0	-44.9
185	322.4	-44.8
236	321.7	-45.6
287	321.2	-45.6
338	333.8	-45.0
350	323.0	-45.9
392	321.0	-45.9
440	324.0	-46.0
500	324.9	-45.2

Drill Hole:	GCL7-37
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	0
Easting:	150 E
GPS Northing:	5349411.19
GPS Easting:	497698.84
Date Started:	November 1,2007
Date completed:	November 13,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	19.70	OVERBURDEN 19.7m Of nw casing.															
19.70	46.20	KOMATIITIC PERIDOTITE MESOCUMULATE Komatiitic peridotite mesocumulate. Dark grey-black altered greyish-green, fine grained, massive, altered, fractured, faulted. 19.70 25.50 Pale grey-green serpentine-ankerite altered, trace yellow coarse py/po on fractures, RQD of 0-20%, 1-3mm serpentine filled fractures at 20-30 degrees to core axis, minor serpentine fault gouge on fractures at 19.6m and 21.5m, fault zone(?). 25.50 38.00 Dark grey-black, massive, locally graphite altered, highly fractured with numerous sections of broken core, RQD of 50% with local section of 0%, fracturing at 20-30 and 50 degrees to core axis, serpentine with some graphite fracture filling, nil to 0.5% po/py. 30.00 32.50 Highly fractured section with 0% rqd. 38.00 46.20 Pale grey-green, massive, serpentine-ankerite altered, scattered															

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(%) %
		3-5mm oval serpentine vesicles, trace po/pn.															
		Gradual lower contact.															
46.20	84.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark black-grey, massive, homogeneous, hard, non magnetic, weakly fractured.															
		Weakly serpentine-carbonate altered.															
		Excellent RQD of 90%.															
		Minor fracturing at generally 50 degrees to core axis, locally 30 and 70-75 degrees to core axis, serpentine-carbonate fracture filling.															
		1-3% White calcite and grey green-white calcite serpentine stringers and occasional veinlets at various angles but generally 50 tca.															
		Sulphide mineralization consists of trace-0.5% at best very finely disseminated yellow-brassy brown po-pn with a few scattered oval 2-5mm sized blebs.															
		74.00 81.40 Dark black-grey more mesocumulate, trace-1.5% disseminated and patchy po-pn, slightly carbonate altered.															
		81.40 Locally serpentine altered (mottled), very fine grained.															
		Gradual lower contact.															
84.70	86.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale green-grey matrix with dark green randomly oriented olivine spinifex, mm-cm sized.															
		Weakly serpentine-carbonate altered.															
		RQD of 70% with local broken core.															
		Nil to trace po-pn.															
		Gradual lower contact.															
86.10	98.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black-grey, massive, homogeneous, hard, non magnetic.															
		Weakly serpentine-carbonate altered.															
		Good RQD of 85% with minor serpentine-calcite fracturing at 40 and 60 tca.															
		Nil to trace po-pn.															
		Gradual lower contact.															
98.60	104.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black grey adcumulate-mesocumulate, fine grained, hard, non magnetic.															
		Patchy grey-green serpentine-ankerite altered with sections of more pervasive serpentine 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(%) %
		Well developed dark green olivine spinifex oriented at random angles to low angle platy spinifex. Fracturing at 50 degrees to core axis with a few at 30 degrees to core axis and serpentine-calcite fracture filling. No visible sulphide mineralization. Gradual lower contact.															
104.20	123.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black-grey, fine grained, massive, homogeneous, hard, non magnetic, locally altered and fractured. Pervasive weak serpentine with sections of grey green ankerite-serpentine. Fracturing at 20-30 and 50 degrees to core axis with serpentine-calcite fracture filling. RQD of 70-75% with minor sections of broken core.															
		104.20 108.50 Weakly serpentinized dark black section with trace-0.5% very finely disseminated po-pn.															
		108.50 113.40 Grey-black, mesocumulate-adcumulate, ankerite-serpentine altered, trace finely disseminated po-pn with few scattered tiny blebs/patches.															
		113.40 123.30 Pale grey-green serpentine-ankerite altered, mesocumulate, nil sulphides, minor slip at 114.4m.															
		Lower contact at 50 tca.															
123.30	124.60	INTERMEDIATE DYKE															
		Intermediated dyke. Dark grey, fine to medium grained, massive, homogeneous, very hard, patchy very weak magnetism. Weakly calcite altered, moderately silicified. Excellent RQD of 90% with a few serpentine filled fractures. Weakly foliated/bedded at 50 tca. A few calcite-serpentine stringers at 40-50 tca. Local fine po-pn disseminations on lower contact. Lower contact at 50 tca.															
124.60	127.20	KOMATIITIC PERIDOTITE GRAPHITIC															
		Komatiitic peridotite graphitic pepperite. Grey-green-black, fine grained, locally massive, mesocumulate, 50% mottled to leopard appearance, slightly foliated, hard, non magnetic. Weakly graphitic and serpentine altered. Good RQD of 90% with a few serpentine-graphite filled fractures. Alternating more massive sections with slightly															

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/brecciated somewhat mottled or leopard appearance due sub angular-sub rounded KOMATIITIC PERIDOTITE MESOCUMULATE fragments healed in more graphitic matrix. 2-3% Po-pn mineralization as local dissemination both in matrix and on fractures, 2% mm sized to 1.5cm vuggy clasts of po-pn associated with graphite, 2cm wide brassy brown po-pn stringer at 127.1m. Lower contact at 45-50 tca.														
127.20	133.60	INTERMEDIATE DYKE														
		Intermediated dyke. Grey, medium grained, massive, homogeneous, locally weakly magnetic. Weakly calcite altered, moderately silicified. 5% Black biotite specks throughout. Good RQD of 80% with graphite-serpentine fracture filling. No visible sulphide mineralization. 1% White calcite-quartz stringers/veinlets at 40 degrees to core axis, hairlike to 3cm thick. Lower contact at 30 tca.														
133.60	139.30	KOMATIITIC SPINIFEX PERIDOTITE														
		Green to grey weakly serpentinized and local graphite altered matrix with dark green randomly oriented olivine spinifex textured sections. Good RQD of 90%. Fracturing at mostly 70 degrees to core axis but sometimes at 30 degrees to core axis with serpentine and rare graphite fracture filling. A few white grey calcite-serpentine stringers at 30 tca. Nil to 0.5% scattered po-pn mineralization. Gradual lower contact.														
139.30	147.40	KOMATIITIC PERID0TITE ADCUMULATE														
		Komatiitic peridotite adcumulate. Dark black-grey, fine grained, massive, homogeneous, hard, non magnetic. Locally serpentine and carbonate altered. Good RQD of 85%. Fracturing at 70 degrees to core axis with serpentine and calcite fracture filling. 2-3% White, grey-white and green calcite, serpentine and calcite-serpentine stringers and local veinlets at 0-20, 50 and 70 tca. Nil to trace po-pn with 1% or so po-pn around 144m. Lower contact at 60 tca.														

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(%) %
147.40	148.40	GRAPHITIC ARGILLITE															
		Graphitic argillite.															
		Dark black, fine grained, massive, fractured, non															
		magnetic, highly conductive.															
		Weakly calcite and graphite altered.															
		Good RQD of 70-75% with minor broken core,															
		graphitic fractures and thin 60 degrees to core															
		axis foliation/bedding.															
		A few yellow-brown to brassy po-pn less 1cm sized															
		blebs.															
		Lower contact at 70 tca.															
148.40	150.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite.															
		Dark grey to pale green-grey, fine grained,															
		massive, hard, non magnetic.															
		Patchy ankerite-serpentine and carbonate altered.															
		Scattered olivine spinifex texture, random and															
		chicken scratch.															
		148.40 149.40 1-2% tiny patches of po-pn															
		mineralization.															
		149.40 150.40 30% disseminated po-pn, approaching															
		semi massive in section, visible															
		platy spinifex.															
		Gradual lower contact.															
150.40	166.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark grey-black, fine grained, massive, hard, non															
		magnetic.															
		Patchy serpentine with local pervasive carbonate															
		alteration.															
		Good RQD of 85% with rare broken core.															
		Fracturing at 30 and 60 degrees to core axis with															
		serpentine and calcite fracture filling.															
		2-3% White-grey calcite and serpentine stringers at															
		30, 50 and 60 tca.															
		Trace-0.5%disseminated po-pn.															
		161.00 15cm section of sga.															
		161.80 162.60 2-4% disseminated po-pn.															
		162.90 15cm randomly oriented olivine															
		spinifex texture.															
		163.50 164.00 White-yellow carbonate alteration as															
		irregular stringers.															
		Gradual lower contact.															
166.20	178.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark black with greyish sections, fine grained,															
		massive, homogeneous, hard, non magnetic.															

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(%) %
		Patchy pistachio green serpentine alteration with grey ankerite-serpentine alteration. Good RQD of 85%. Fracturing at 70 degrees to core axis with serpentine and calcite fracture filling. 3% Hairlike calcite-serpentine stringers at various angles. Trace-0.5%disseminated po-pn, maybe 1% locally. Gradual lower contact.															
178.00	182.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate. Pale greyish-black, fine grained, massive, homogeneous, hard, non magnetic. Weak to moderately serpentine and carbonate altered. Good RQD of 90% with minor broken core. Minor fracturing at 60 and 75-80 degrees to core axis with serpentine and carbonate fracture filling. 1% White-grey serpentine stringers at 60-70 tca. No visible sulphide mineralization. Lower contact at roughly 60 tca.															
182.30	195.60	KOMATIITIC PERIDOTITE GRAPHITIC															
		Komatiitic peridotite graphitic pepperite. Dark black, medium grained, massive, foliated, fractured, non magnetic, hard, graphitic-biotitic,. Weak to moderately calcite altered locally, pervasive weak graphite alteration. Good RQD of 85-90% with localized broken core. Fracturing at generally 40 and 60 degrees to core axis with calcite and locally graphite fracture filling. 20% Weakly foliated sections at 40-50 tca. 0.5% White calcite stringers at various angles but generally around 50 tca. Local dull brown-yellow pyrite on fractures and locally in matrix. 182.30 4.00 Inch silver-black graphitic fault. Gradual lower contact.															
195.60	203.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate. Dark grey-black, fine grained, massive, hard, non magnetic, foliated. Weakly graphite and carbonate altered for the first 2m then changes to more pervasive carbonatization. Excellent RQD of 90-95% with minor fracturing at 60-70 degrees to core axis and serpentine-carbonate fracture filling. Weakly foliated at 60 tca. 1-3% White-grey calcite-carbonate stringers at															

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(%) %
		60-70 tca.															
		No visible sulphide mineralization.															
		203.70 -34.00 inch slightly faulted section.															
		Gradual lower contact.															
203.80	207.00	INTERMEDIATE DYKE															
		Intermediated dyke.															
		Grey-brown, fine grained, massive, very hard, local															
		weak magnetism.															
		Pervasive weak calcite alteration, localized very															
		weak serpentinization and silicification.															
		Good RQD of 80% with localized broken core around															
		204.2m.															
		Minor fracturing at generally 60 degrees to core															
		axis with thin serpentine fracture filling.															
		Rare calcite stringer at 50 tca.															
		Trace yellowish-brown coarse pyrite along stringers.															
		Lower contact at around 30 tca.															
207.00	222.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate (carbonatized).															
		Dark grey-black, fine grained, massive, foliated,															
		non magnetic, moderately hard.															
		Moderately carbonatized.															
		Fairly good RQD of 85% with a few very minor															
		sections of broken core.															
		Fracturing at roughly 60 degrees to core axis with															
		minor carbonate fracture filling.															
		Localized weak foliation at 40 tca.															
		1-2% Irregular low angle carbonate stringers with a															
		few irregular quartz-carbonate stringers on the															
		upper contact.															
		No visible sulphide mineralization.															
		208.60 208.90 Brownish-red, slightly hematized,															
		intermediate dyke as seen above.															
		Faulted lower contact (1.5 cm gouge) at 40 tca.															
222.70	225.70	INTERMEDIATE DYKE															
		Intermediated dyke.															
		Same as 203.8-207m.															
		0.5% White calcite stringers at various angles but															
		generally around 50 tca.															
		Rare dull brown-yellow pyrite on fractures.															
		Sharp lower contact at 30 tca.															
225.70	236.00	KOMATIITIC PERIDOTITE SHEARED															
		Komatiitic peridotite sheared.															
		Dark grey-black, fine grained, moderately hard, non															
		magnetic, mesocumulate, foliated sheared.															
		Moderately carbonatized.															
		Excellent RQD of 90-95% with minor fracturing at															

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(%) %
		60-70 degrees to core axis with serpentine-carbonate fracture filling. Moderately sheared-foliated at 30-40 tca. 5-10% White grey carbonate stringers/alteration paralleling foliation-shearing at 30-40 degrees to core axis. No visible sulphide mineralization. 235.00 5.00 Inch 0 degrees to core axis rafted intermediate dyke fragment. 235.20 235.50 Intermediated dyke, same as seen above, sharp contacts of 35 and 15 tca. Lower contact of 60 tca.														
236.00	241.10	INTERMEDIATE DYKE														
		Intermediated dyke. Same as 203.8-207m. Excellent RQD of 95%, nil sulphides, a few irregular calcite stringers. Lower contact at 65 tca.														
241.10	250.50	KOMATIITIC PERIDOTITE MESOCUMULATE														
		Komatiitic peridotite mesocumulate (carbonatized). Dark grey-black, fine grained, massive, moderately hard, non magnetic, locally foliated/sheared. Patchy weak to moderate carbonatization. Weakly foliated-sheared at 50-60 degrees to core axis. Good RQD of 85% with minor 60-70 degrees to core axis fracturing and mostly carbonate fracture filling. 2% Generally irregular carbonate stringers. No visible sulphide mineralization. Sharp lower contact at 30 tca.														
250.50	254.80	INTERMEDIATE DYKE														
		Intermediated dyke. Dark grey-brown, fine grained, massive, hard, non magnetic, homogeneous. Weakly calcite altered, locally silicified, maybe some hematization (reddish-brown coloration). Good RQD of 85% with minor 60 degrees to core axis fracturing and dark green/black serpentine fracture filling. 2-3% Clear-white calcite-quartz stringers/veinlets from hairlike to 2cm at 40 and 60 tca. 1-1.5% Light yellow-brown coarse pyrite throughout on fractures, stringers and in matrix. Lower contact at 60 tca.														
254.80	264.90	KOMATIITIC PERIDOTITE MESOCUMULATE														

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(%) %
		Komatiitic peridotite mesocumulate (carbonatized). Dark greyish-black, fine grained, massive, homogeneous, weakly foliated, moderately hard, non magnetic. Pervasive carbonatization. Good RQD of 85% with a few weakly faulted sections of broken core. Minor fracturing at 40-60 degrees to core axis with minor carbonate fracture filling. Weakly foliated sections from 30-40 tca. 2-3% White-grey carbonate stringers at various angles from 30, 40 and 50 tca. No visible sulphide mineralization. Lower contact at 75 tca.															
264.90	301.40	FELDSPAR PORPHYRY															
		Feldspar porphyry. Grey, fine grained, massive, homogeneous, hard, non magnetic. Locally weakly silicified. 15-20% Whitish-grey sub rounded feldspar and maybe up to 5% quartz phenocrysts, 1-4mm sized. RQD of 90-95% with minor fracturing at 20 and 40 degrees to core axis with local very thin dark green-black serpentine fracture filling. 0.5-1% White calcite-quartz stringers at 40 and 60 degrees to core axis, hairlike to 5mm. Trace-0.5% dull brown-yellow, coarse to cubic pyrite throughout. 294.20 15cm clear-white quartz-calcite vein with 30 and 40 degrees to core axis contacts. 294.20 301.40 Sudden decease in feldspar phenocrysts 1-2%, increased silicification and dull greenish-grey serpentine alteration. Sharp lower contact at 50 tca.															
301.40	303.00	BASALT SHEARED															
		Basalt. Green and slightly greyish, fine grained, massive, homogeneous, very hard, non magnetic. No reaction to HCl, weakly silicified. Local speckled yellow-white carbonate alteration. Scattered yellow-white carbonate and white calcite stringers at 50 tca. Trace amounts of yellow-brown coarse pyrite. Lower contact at 70 tca.															
303.00	314.80	FELDSPAR PORPHYRY															
		Feldspar 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(%) %
		Same as 264.9-301.4.															
		Lower contact at 70 tca.															
314.80	342.00	BASALT PILL0WED															
		Pillowed basalt.															
		Greenish-grey, fine grained, massive, homogeneous, very hard, non magnetic.															
		Weakly silicified with rare calcite alteration.															
		Good RQD of 90% with minor fracturing at 65-75 degrees to core axis with calcite and chlorite fracture filling.															
		Scattered poorly developed pillow selvages flanked by 1-2mm oval quartz-calcite filled amygdules.															
		5% Greyish-white calcite stringers at various angles and at various angles due to micro fractures.															
		Trace with maybe 0.5% yellow to brown yellow pyrite along stringers/fractures.															
		319.10 320.40 Dark greyish, highly calcite altered, possible dyke (?), massive, 0.5% irregular calcite stringers, trace amounts of yellow-brown pyrite and bronzy brown pyrrhotite along tiny stringer at 320.3m.															
		330.00 Unit becomes more of massive flow with local very coarse pyrite.															
		Lower contact at 30 tca.															
342.00	343.30	FELDSPAR PORPHYRY															
		Feldspar porphyry.															
		Dark grey to grey, fine grained, massive, very hard, non magnetic.															
		Moderate silicification.															
		3-4% Feldspar phenocrysts, 2-3mm.															
		Good RQD of 85% with minor 40-50 degrees to core axis fracturing and chlorite fracture filling.															
		0.5% Hairlike calcite-quartz stringers with a few 0-10 degrees to core axis quartz stringers/veinlets.															
		Trace dull yellow pyrite associated with stringers.															
		Lower contact at 75 tca.															
343.30	347.70	BASALT SHEARED															
		Basalt.															
		Green-grey, fine grained, massive, foliated, fractured, hard, non magnetic.															
		Weak pervasive calcite alteration with patches of very weak chlorite alteration.															
		Good RQD of 80-85% with minor broken core.															
		Fracturing at various angles but generally 50 degrees to core axis with very thin calcite-chlorite fracture filling.															
		Weakly foliated at 40 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% Grey-white calcite stringers at 30-40 tca.															
		Trace dull yellow pyrite associated with stringers.															
		Lower contact at 40 tca.															
347.70	348.90	KOMATIITIC PERIDOTITE SHEARED															
		Komatiitic peridotite sheared (foliated).															
		Dark black to greyish, fine grained, moderately															
		hard, foliated-sheared, non magnetic, altered.															
		Pervasive carbonatization.															
		Excellent RQD of 95% with minor carbonate filled															
		fracturing.															
		Weakly foliated/sheared at 60-65 tca.															
		5% White carbonate stringers parallel to foliation.															
		A few specks of dull yellow pyrite.															
		Lower contact at 50 tca.															
348.90	351.00	INTERMEDIATE DYKE															
		Intermediated dyke.															
		Grey to reddish-brown, fine grained, massive,															
		homogeneous, very hard, non magnetic.															
		Pervasive calcite alteration with local															
		silicification.															
		Excellent RQD of 95% with rare fracturing.															
		A few 2-3mm thick quartz-calcite stringers 50 tca.															
		0.5%-1% Dull brown disseminated pyrrhotite with															
		trace yellow-brown pyrite.															
		Sharp lower contact at 30 tca.															
351.00	354.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate (carbonatized).															
		Dark black-grey, fine grained, moderately hard, non															
		magnetic, altered, fractured, foliated.															
		Pervasive carbonatization.															
		RQD of 80% with a few minor sections of broken core.															
		Fracturing at 40 degrees to core axis with thin															
		carbonate-serpentine fracture filling and local															
		thin clay gouge.															
		Patchy poorly developed foliation at 40 tca.															
		1-2% Irregular grey-white carbonate stringers with															
		a few white calcite-quartz stringer/veinlets at 0,															
		20 and 70 tca.															
		No visible sulphide mineralization.															
		Sharp lower contact at 20 tca.															
354.70	356.00	INTERMEDIATE DYKE															
		Intermediated dyke.															
		Similar to previous intermediate dyke.															
		Dark grey-brown, fine grained, massive, hard, non															
		magnetic, homogeneous, fractured.															
		Weakly silicified with rare calcite-chlorite															
		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(%) %
		Good RQD of 75% with minor broken core. Fracturing at 30-40 degrees to core axis with rare thin serpentine fracture filling. No visible sulphide mineralization. Sharp lower contact at 25 tca.															
356.00	360.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate (carbonatized). Dark black-grey, fine grained, moderately hard, non magnetic, altered, fractured. Pervasive carbonatization. Good RQD of 85% with minor broken. Fracturing at 30, 50 and 65 degrees to core axis with thin carbonate fracture filling. 359.50 360.50 0.5% brown-yellow pyrite. Gradual lower contact.															
360.50	369.50	KOMATIITIC PERID0TITE															
		Komatiitic peridotite (bleached). Light grey, fine grained, massive, homogeneous, hard, non magnetic, speckled. Pervasive carbonatization-bleaching, tiny 1mm oval specks throughout, alteration related (?). Excellent RQD of 95% with rare fracturing. 1% Scattered greyish-white carbonate stringers at various angles. No visible sulphide mineralization. Lower contact at 40 tca.															
369.50	370.50	INTERMEDIATE DYKE															
		Intermediated-mafic dyke. Dark grey-green, fine grained, massive, homogeneous, hard, non magnetic. No reaction to HCl, slightly serpentine altered. Good RQD of 90% with minor serpentine filled fracturing. No visible mineralization. Sharp lower contact at 40 tca.															
370.50	375.50	KOMATIITIC PERID0TITE															
		Komatiitic peridotite (bleached). Same as 360.5-369.5m. RQD of 80% with minor faulting on contacts. Sharp lower contact at 20 tca.															
375.50	377.30	INTERMEDIATE DYKE															
		Intermediated-mafic dyke. Same as 369.5-370.5m. Good RQD of 75-80% with 30 degrees to core axis fracturing and local broken core. Sharp lower contact at 20-30 tca.															

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(%) %
377.30	378.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate (carbonatized).															
		Grey to black, fine grained, moderately hard, non															
		magnetic, foliated, altered.															
		Pervasive carbonatization.															
		Excellent RQD of 95% with a few very minor															
		fractures, sections of weak poorly developed															
		foliation at 30 tca.															
		3% Grey-white carbonate stringers/ alteration at 40															
		degrees to core axis.															
		No visible sulphide mineralization.															
		Lower contact at 70 tca.															
378.70	379.30	INTERMEDIATE DYKE															
		Intermediated-mafic dyke.															
		Same as 369.5-370.5m.															
		Sharp lower contact at 20 tca.															
379.30	401.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate (carbonatized).															
		Dark grey-black, fine grained, moderately hard, non															
		magnetic, mesocumulate, foliated.															
		Pervasive carbonatization.															
		Fairly good RQD of 85% with a few very minor															
		sections of broken core.															
		Fracturing at generally 65-75 degrees to core axis															
		with minor carbonate fracture filling.															
		10% Or so grey-white carbonate low angle to															
		irregular stringers/alteration.															
		Rare dull brown-yellow pyrite.															
		Lower contact at 60 tca.															
		386.40 20cm dark grey-green, massive															
		intermediate-mafic dyke.															
		398.00 Poorly developed weak foliation to															
		lower contact.															
401.90	404.00	INTERMEDIATE DYKE															
		Intermediated-felsic dyke.															
		Red-brown, fine grained, massive, homogeneous,															
		hard, non magnetic.															
		Similar to previous intermediate dykes except more															
		felsic.															
		Pervasive weak calcite alteration, weakly hematized.															
		Good RQD of 80% with minor local broken core and a															
		few low angle fractures.															
		A few calcite stringers at 50 degrees to core axis.															
		0.5% Dull yellow coarse pyrite.															
		Lower contact at 50 tca.															
404.00	416.60	KOMATIITIC PERIDOTITE MESOCUMULATE															

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(%) %
		Komatiitic peridotite mesocumulate (carbonatized).															
		Same as 379.3-401.9.															
		80% RQD with minor fracturing at 50 degrees to core															
		axis and a few sections of broken core.															
		Weak 50 degrees to core axis foliation throughout.															
		5-8% White carbonate stringers parallel to foliation															
		Rare dull brown-yellow pyrite.															
		405.20 13cm dark black-grey chlorite-calcite															
		altered intermediated-mafic dyke, no															
		visible mineralization.															
		405.70 406.20 Dark black-grey chlorite-calcite															
		altered intermediated-mafic dyke, no															
		visible mineralization, sharp															
		contacts at 50 tca.															
		Lower contact at 75 tca.															
416.60	425.10	INTERMEDIATE DYKE															
		Intermediate dyke.															
		Grey to red-brown, fine grained, massive,															
		homogeneous, very hard, non magnetic.															
		Pervasive calcite alteration, local hematization.															
		Good RQD of 90% with minor fracturing at 50 degrees															
		to core axis with minor calcite fracture filling.															
		0.5% White calcite stringers at 60 degrees to core															
		axis.															
		Trace-0.5% dull brown-yellow coarse pyrite															
		throughout.															
		Lower contact at 50 tca.															
425.10	430.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate (carbonatized).															
		Same as 404-416.6m.															
		Lower contact at 50 tca.															
430.30	430.80	INTERMEDIATE DYKE															
		Intermediate dyke.															
		Same as 416.6-425.1m.															
		Lower contact at 50-55 tca.															
430.80	432.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate (carbonatized).															
		Similar to 404-416.6m with a much weaker carbonate															
		alteration and a more dark green color.															
		432.20 5cm section of randomly oriented															
		olivine spinifex.															
		Sharp lower contact at 50 tca.															
432.70	435.40	INTERMEDIATE DYKE															
		Intermediate dyke.															
		Same as 416.6-425.1m.															
		Lower contact at 75 tca.															

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(%) %
435.40	436.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate (carbonatized).															
		Same as 425.1-430.3.															
		Lower contact at 50-55 tca.															
436.80	449.70	FELDSPAR PORPHYRY															
		Feldspar porphyry.															
		Unit very similar to previous intermediate dyke but															
		with 15-20% 2-4mm, sub rounded feldspar phenocrysts.															
		Grey, fine grained, massive, homogeneous, very															
		hard, non magnetic.															
		Weakly silicified with very weakly calcite altered															
		sections.															
		Good RQD of 85% with minor fracturing at 40-50															
		degrees to core axis and minor calcite-serpentine															
		fracture filling.															
		0.5% White calcite stringers scattered throughout															
		with rare pyrite.															
		442.00 Orange-pink potassic altered section.															
		445.40 7cm white quartz-calcite veinlet.															
		Lower contact at 55 tca.															
449.70	474.60	BASALT SHEARED															
		Basalt.															
		Green to grey, fine grained, massive, homogeneous,															
		hard, non magnetic.															
		No reaction to HCl, weakly silicified and ankerite															
		altered.															
		Good overall RQD of 85% with a few very minor															
		sections of broken core.															
		Fracturing at 40-50 degrees to core axis with thin															
		calcite and chlorite fracture filling and															
		occasionally reddish potassium feldspar on															
		fractures.															
		A few minor sections of poorly developed foliation.															
		3-5% White to grey-white calcite stringers at 40-50															
		degrees to core axis with 0.5% scattered															
		quartz-calcite stringers at 60 tca.															
		Nil to trace pyrite.															
		451.10 452.10 Red-orange pottasic-hemattictic dyke															
		or altered section, fairly irregular															
		contacts.															
		457.30 9.00 Cm grey felsic inclusion, silicified,															
		30 and 55 degrees to core axis contacts.															
		Lower contact at.															
474.60	476.80	MAFIC INTRUSIVE															
		Mafic to intermediate dyke.															
		Dark greyish-red, fine-medium grained, massive,															
		homogeneous, hard, local magnetism.															

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(%) %
		Weakly hematized, no reaction to hcl.															
		Good RQD of 90% with minor fracturing at 60-70															
		degrees to core axis.															
		A few scattered hairlike calcite stringers.															
		Trace dull yellow pyrite.															
		475.20 8cm white quartz veinlet.															
		475.70 14cm grey-green basalt, same as															
		previous unit.															
		Lower contact at 50 tca.															
476.80	500.00	BASALT SHEARED															
		Basalt.															
		Same as 449.7-474.6.															
		481.30 Gradual change to more medium grained															
		section, center of flow (?), then															
		unit grades back into more fine															
		grained flow.															
500.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349339.00
Easting:	497355.70
Elevation:	294.92
Collar Azi.:	327.2
Collar Dip:	-45.2
Hole length:	464.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	TALBOT GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	K. Montgomery/G. Fowler
Date(s) logged:	November 5, 2007
Purpose:	N/A
Core storage:	Moneta Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
20	328.8	-45.3
71	330.2	-46.3
122	333.7	-47.2
173	335.8	-47.6
224	339.2	-47.7
275	342.6	-47.9
326	343.8	-48.3
377	345.5	-47.2
428	346.5	-46.5

Drill Hole:	GCL7-36
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	150N
Easting:	175W
GPS Northing:	5349338.46
GPS Easting:	497355.68
Date Started:	October 31,2007
Date completed:	November 6, 2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	10.50	OVERBURDEN 11 Metre of nw casing.															
10.50	24.85	KOMATIITIC PERIDOTITE MESOCUMULATE Light green, vfg-fg, non-magnetic, altered, mesocumulate peridotite flow. Nil sulphides, rare to very minor carb-sep veinlets. Alteration: moderate to weak pervasive carbonatization and serpentization. Structure: weak to moderate fracturing typically at low core axis angles (30), rqd-70.															
24.85	31.95	INTERMEDIATE DYKE Dark grey, hard, aphanitic to medium grained, massive, silicified mafic intrusive. The intrusive consists of 25-30% black amphibole medium grained laths to fine grained phenocrysts within a grey quartz-calcite aphanitic matrix. The intrusive contains coarser grained sections where 25% medium grained amphibole laths are present eg. 26.05-26.35, 28.7-2975 and 30.4-30.75. Trace pyrite and pyrrhotite fine grained disseminations. Structure: competent rqd-93. Lower contact sharp 75 to ca.															

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(%) %
31.95	38.80	KOMATIITIC PERIDOTITE BRECCIA Light green, soft, non-magnetic, peridotite breccia (pillow breccia texture). The unit consists of 40-35% pale green aphanitic serpentine adcumulate peridotite subrounded blocks within dark blades of green mesocumulate peridotite. (70-80% dark grey olivine cumulate grains within a aphanitic pale green matrix). Nil sulphides. Structure: competent rqd-95. Lower contact marked by last adcumulate block gradational.															
38.80	58.10	KOMATIITIC PERID0TITE ADCUMULATE Light grey, very fine grained, non-magnetic, homogeneous, adcumulate peridotite (85-90% dark grey carbonatized olivine cumulate grains tightly packed with pale green aphanitic serpentine altered matrix). Mineralization: trace very fine grained scattered sulphides. Structure: overall weak fracturing rqd-90 with local blocky sections due to serpentine filled fractures eg: 39.5-39.7, 49.5-49.65. Lower contact gradational.															
58.10	75.90	KOMATIITIC SPINIFEX PERIDOTITE Local patches of faint olivine spinifex (5-7% black fine olivine needles) textured within mesocumulate peridotite. Mostly random spinifex texture local platy. Structure: weak fracturing rqd-80. 75.00 75.90 Weakly brecciated (dark green vfg-aphanitic serpentine filled microfractures) mesocumulate peridotite. Lower contact marked by disappearance of micro fracturing.															
75.90	84.50	KOMATIITIC PERID0TITE ADCUMULATE Light grey, very fine grained, non-magnetic, adcumulate peridotite (same as 38.8-58.1m). Structure: weak to moderate fracturing rqd-80. Nil sulphides. Lower contact gradational.															
84.50	93.50	KOMATIITIC SPINIFEX PERIDOTITE Light green, random olivine spinifex textured komatiite section. It consists of 20% black long (>3cm) and very thin (1mm) olivine needles randomly oriented hosted by a															

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(%) %
		serpentinized mesocumulate peridotite.															
		88.00 90.40 Blocky core rqd-20, low angle to core axis.															
		90.85 91.30 Platy spinifex section.															
		Lower contact gradational.															
93.50	139.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green, very fine grained, massive, non-magnetic, homogeneous adcumulate peridotite (95% tightly packed olivine cumulate grains). The unit is cut by 3-5% white irregular carbonate stringers to veinlets (up to 1cm) with some more intense sections. Structure: weak to moderate fracturing rqd-70.															
		96.15 96.45 Irregular white very fine grained carbonate serpentine stringers to veinlets.															
		104.70 109.95 Bleached light grey due to pervasive calcite-carbonate alteration matrix content 15%.															
		106.55 107.05 65-70% of section white very fine grained carbonate vein material (irregular).															
		121.50 126.70 1-2%, aphanitic aqua green serpentine veinlets to stingers.															
		129.70 130.80 White irregular very fine grained quartz-carbonate flooding.															
		130.80 133.60 Alteration: light grey bleaching of section due to weak pervasive carbonatization.															
		135.75 135.95 White very fine grained carbonate vein with minor quartz and pale green very fine grained serpentine in filled anastomosing fractures.															
		Lower contact gradational.															
139.70	146.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Light green, same as 84.5-93.5m.															
		Nil sulphides.															
		Structure: weak to moderate fracturing rqd-70.															
		Lower contact gradational.															
146.00	148.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Light green, very fine grained, non-magnetic, mesocumulate peridotitic flow that has 5-7% fine black serpentine microfractures cutting through it. Nil sulphides. Structure: weakly fractured rqd-90. Lower contact sharp 35 to ca.															
148.90	165.50	FELDSPAR 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(%) %
		Grey, hard non-magnetic massive homogeneous feldspar porphyry. The central portion (158-162.4m) is porphyritic containing 25% white coarse (5mm) plagioclase phenocrysts within a very fine grained felsic matrix that has 5-10% amphibole lathes. The upper portion only has 1-3% scattered fine plagioclase phenocrysts. Also the lower margin (162.4m) is non-porpheritic. Structure: weak fracturing rqd-95. Lower contact 15 to ca.															
165.50	173.50	KOMATIITIC PERID0TITE ADCUMULATE Same as 38.8-61.5m. Light grey, very fine grained, non-magnetic, homogeneous, adcumulate peridotite (85-90% dark grey carbonatized olivine cumulate grains tightly packed with pale green aphanitic serpentine altered matrix). Alteration: weak to moderate pervasive carbonatization of olivine cumulate and matrix (20%) and feathery lathes of talc. The adcumulate is intensely cut (20%) by anastomosing fine (3mm-5mm) white carbonate stringers to fracture fillings. Structure: competent rqd-95. 165.75-166.6 Alteration: bleached white sections of intense carbonization, serpentinized. Lower contact marked by presence of mesocumulate peridotite blocks.															
173.50	189.65	KOMATIITIC PERIDOTITE MESOCUMULATE Light to dark grey, non-magnetic, vfg-fg graphitic, mesocumulate peridotite (60-75%) black olivine cumulate grains in partial contact with white aphanitic matrix). The mesocumulate peridotite contains very fine grained graphite patches to zones. Graphite fine black microfractures and local graphite flakes/disseminations. Structure: weak fracturing rqd-80. 173.50 174.40 Crackle breccia- 20-30% black very fine grained serpentine matrix enveloping subrounded grey mesocumulate peridotite. 178.05 178.50 30% white carbonate filled fracture gashes. 179.20 179.90 Same as above but 10%. 180.80 183.10 Black, very fine grained, graphite zone with scattered sub rounded mesocumulate peridotite.															

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(%) %
189.65	195.80	GRAPHITE ZONE															
		Black very fine grained soft graphite zone. The															
		zone is composed of 80-85% black very fine grained															
		graphite with light green orthocumulate (20-30%)															
		black fine olivine cumulate grains ina green															
		aphanitic matrix) blocks.															
		Structure: moderate fracturing rqd-60.															
		192.60 192.90 Graphite gouge section.															
		195.05 195.45 Grey hard vfg-aphanitic felsic dyke,															
		70 to core axis ul and 30 to cu lost															
		core.															
		Lower contact marked by significant decrease in															
		graphite.															
195.80	203.45	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 173.5-189.65m.															
		Structure: weak fracturing rqd-85.															
		195.80 197.40 Breccia section - 70% light green															
		serpentinized very fine grained															
		mesocumulate peridotite sub rounded															
		blocks enveloped by black very fine															
		grained graphite matrix.															
		200.30 203.00 White wispy anastomosing carbonate															
		veinlets locally within brecciation.															
		Lower contact sharp but difficult to ascertain															
		orientation.															
203.45	207.25	GRAPHITIC ARGILLITE															
		Black vfg-aphanitic soft graphitic argillite with															
		low angle core axis fractures.															
		Structure: friable and locally blocky core rqd-40.															
		Lower contact sharp but orientation indiscernible.															
207.25	215.95	KOMATIITIC PERID0TITE ADCUMULATE															
		Light grey, very fine grained, non-magnetic,															
		carbonatized soft adcumulate peridotite (90% dark															
		grey carbonatized olivine cumulate grains tightly															
		packed within white carbonatized aphanitic matrix).															
		This unit is intensely flooded (20%) with irregular															
		oriented white carbonate stringers to veinlets.															
		Structure: weak fracturing rqd-90.															
		Lower contact sharp 25 to ca.															
215.95	250.10	FELSIC INTRUSIVE (UNDIFFERENTIATED)															
		Pinkish grey to light grey, mottled, hard,															
		aphanitic-vfg. Felsic intrusive.															
		The intrusive is heterogeneous with feldspar															
		porphyritic sections (216.3-218.6, 245.5-247, and															
		248.8-250.1) and crackle breccia sections															
		(229.9-224.15, 227.2-228.1, 233.2-234.8).															

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(%) %
		The feldspar porphyritic section are composed of 10-20% white medium feldspar phenocrysts hosted by felsic matrix.															
		The crackle brecciation section composed of 20% fine chlorite or grey felsic filled microfractures brecciating the grey felsic filled microfractures brecciating the felsic intrusive which is weakly potassic altered (pink) 221.8-223.6 with white chalky fractures.															
		234.80 235.05 White clear very fine grained quartz vein with 5% dark green very fine grained chlorite irregular stringers mostly at the contacts. Uc 35 to core axis, lost core 50 to ca.															
		239.90 240.05 White very soft carbonate vein with felsic intrusive angular selvages (40% of vein), uc 45 to core axis and lost core 30 to ca.															
		Lower contact sharp 40 to ca.															
250.10	250.25	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green, very fine grained, soft, non-magnetic, adcumulate peridotite. It is cut by 30-35% pale green white carbonate-serpentine stringers randomly oriented. Lower contact is very wavy but sharp at low angle to core axis.															
250.25	293.85	DIABASE															
		Green, aphanitic homogeneous, massive, magnetic hard diabase intrusive. The intrusive is very fine grained melt of interlocked chloritized amphibole grains (60%) and felsic grains (40%). The diabase is moderate to strongly fractured (chlorite coated) rqd-50 to 60. Very rare white carbonate filled fractures (5mm).															
		269.70 271.00 Blocky core section, rqd-20.															
		279.30 281.00 Blocky core section, rqd-20.															
		293.75 293.85 Sheared chlorite (dark green to black bands/stringers) section. The shearing is 60 to ca.															
		Lower contact sharp 70 to ca.															
293.85	296.95	FELDSPAR PORPHYRY															
		The upper portion is a feldspar porphyry consisting of 20-25% white to clear fine (3mm) plagioclase phenocrysts in aphanitic felsic matrix. Below 299.55 it is a predominantly felsic matrix which grades into the underlying unit. 295.6-295.85, mineralization: 0.5% fine grained brassy pyrite disseminations.															

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 is possibly sharp 75 to ca.															
296.95	308.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Blackish dark green, adcumulate peridotite same as 93.5-139.7m.															
		Structure: weak fracturing rqd-80.															
		The adcumulate peridotite is cut by 5-7% white irregular carbonate fine fractures to stringers (3-7mm thick) at 300.8-308.															
		Structure: strong fracturing (297.0-299.9) rqd-40%.															
		299.15 299.65 Fault gouge - clayey green to white serpentinized.															
		Lower contact gradational.															
308.00	330.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-dark green, non-magnetic, mesocumulate peridotite with 65-75% black olivine cumulate grains in a white aphanitic matrix.															
		Very fine grained blebs (0.1-0.5mm) of scattered pyrrhotite, pentlandite.															
		Structure: weak fracturing rqd-90.															
		329.40 330.10 Crackle breccia, serpentinized and highly silicified.															
		Lower contact sharp at 50 to ca.															
330.10	332.85	GRAPHITIC ARGILLITE															
		Black, very fine grained, hard, non-magnetic, graphitic argillite with small wispy (3-10mm) blebs of py-po.															
		Alteration: silicified.															
		Structure: moderately fractured rqd-60.															
		331.60 332.00 Grey carbonatized mesocumulate peridotite, contacts 50 to core axis.															
		Lower contact silicified and sharp at a low angle 50 to core axis.															
332.85	341.25	KOMATIITIC SPINIFEX PERIDOTITE															
		Light grey-green olivine spinifex peridotite, random to fan feathery bladed clusters with a white orthocumulate aphanitic carbonatized/serpentinized matrix.															
		Alteration: moderate carbonatization and serpentinization.															
		Structure: weak fracturing rqd-80.															
		Lower contact sharp.															
341.25	363.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey-black, very fine grained, non-magnetic, carbonatized/serpentinized adcumulate peridotite consisting of 80% black olivine cumulate grains of which 10% are black olivine blades in a white															

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(%) %
		carbonatized/serpentinized matrix.															
		Core mottled with carbonate veinlets and stringers.															
		Alteration: moderate carbonatization and															
		serpentinization.															
		Structure: indurate, weak fracturing, rqd-90.															
363.40	364.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark-grey-green, fine grained, non-magnetic,															
		carbonatized mesocumulate peridotite consisting of															
		70% dark grey subrounded mesocumulate grains with a															
		serpentinized carbonatized aphanitic matrix.															
		Alteration: weak carbonatization and															
		serpentinization.															
		Structure: weak fracturing, rqd-90.															
		Lower contact gradational.															
364.40	373.60	KOMATIITIC SPINIFEX PERIDOTITE															
		Black-dark green-light grey olivine spinifex															
		komatiite with grouped clusters of bladed olivine															
		with a light grey serpentinized mesocumulate															
		peridotite matrix.															
		Alteration: pervasive carbonatization and															
		serpentinization.															
		Structure: moderate fracturing, rqd-70.															
		Lower contact gradational.															
373.60	396.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Black-dark grey, very fine grained, strong magnetic															
		intervals of adcumulate peridotite consisting of															
		90% sub-rounded olivine grains in a white aphanitic															
		matrix with carbonate filled fractures.															
		Alteration: strong pervasive carbonatized,															
		serpentinized.															
		Structure: weak fracturing, rqd-90.															
		377.60 389.20 Strong magnetism.															
		Lower contact gradational.															
396.50	398.65	KOMATIITIC SPINIFEX PERIDOTITE															
		Light grey-dark green-black, fine grained, olivine															
		spinifex komatiite with random to clustered blades															
		of olivine in a carbonatized/serpentinized															
		mesocumulate matrix.															
		Alteration: carbonatized/serpentinized micro															
		veinlets 10-30mm.															
		Structure: weak fracturing, rqd-90.															
		Lower contact sharp and is marked by a 10cm (t.w)															
		calcite vein, 40 to core axis.															
398.65	418.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Black-dark grey, very fine grained, peridotitic															
		adcumulate with 90% black olivine subrounded															

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(%) %
		cumulate grains in a aphanitic matrix with calcite, siderite? fracture in fills. Trace to 1% sulphides of pyrrhotite and pentlandite. Alteration: moderately carbonatized - serpentinized. Structure: weak fracturing, rqd-90. 410.90 417.20 Strong fracturing, rqd-60. Lower contact gradational.															
418.00	421.50	KOMATIITIC PERIDOTITE MESOCUMULATE Light grey-dark grey, very fine grained, non-magnetic, mesocumulate peridotite with 70% olivine cumulate grains in carbonatized, serpentinized aphanitic matrix. Alteration: moderately carbonatized - serpentinized. Structure: strong fracturing, rqd-50. Lower contact gradational.															
421.50	428.90	KOMATIITIC PERID0TITE ADCUMULATE Grey-black, very fine grained, non-magnetic, carbonatized adcumulate peridotite consisting of 80% sub-rounded olivine cumulate grains in a white aphanitic matrix. Alteration: moderately carbonatized/serpentinized. Structure: moderate fracturing, rqd-80 with locally friable to blocky sections, rqd-60. 425.00 428.00 Blocky core strong fracturing rqd-10 to 20. Lower contact discernable by the change in hardness due to the increased amount of silicification in the core.															
428.90	436.20	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey to black carbonatized mesocumulate peridotite (75% olivine cumulate and 25% white carbonate aphanitic matrix). The unit is cut by 2-3% white irregular carbonate microfractures. Lower contact 25 to ca.															
436.20	443.80	GRAPHITIC ARGILLITE Black, very fine grained, soft, graphitic argillite with slight carbonization. Alteration: weak serpentinized. Structure: weak fracturing with locally blocky sections of strong fracturing, rqd-80. Lower contact defined by local fracturing (blocky) with light grey-green fault gouge.															
443.80	455.40	KOMATIITIC PERIDOTITE SHEARED Green-dark grey, non-magnetic, sheared brecciated mesocumulate peridotite with 30-35% blocky															

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(%) %
		peridotitic fragments in a carbonate fracture infill.															
		Alteration: strong carbonatization.															
		Structure: weak to strong fracturing, rqd-70.															
		Lower contact sharp defined by strongly altered breccia fragments.															
455.40	464.00	FELDSPAR PORPHYRY															
		Off white-light grey, extremely hard, non-magnetic, massive homogeneous feldspar porphyry with 25% porphyritic (2mm) plagioclase phenocrysts, 5-10% amphiboles within a very fine grained, felsic matrix															
		Alteration: little to no alteration.															
		Structure: very weak fracturing, rqd-97.															
464.00		END OF HOLE															

DRILL HOLE RECORD

Northing:	5349324.00
Easting:	497669.20
Elevation:	294.38
Collar Azi.:	328.1
Collar Dip:	-55.7
Hole length:	500.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling, Kevin Montgomery
Date(s) logged:	Oct. 23-Nov. 9, 2007
Purpose:	
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
32	327.4	-52.9
83	327.4	-53.0
132	326.8	-53.0
185	328.7	-52.6
236	329.1	-53.0
287	330.2	-53.5
338	331.3	-53.7
389	331.9	-53.8
440	332.5	-53.4
500	332.4	-53.4

Drill Hole:	GCL7-35
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	50S
Easting:	75E
GPS Northing:	5349324.33
GPS Easting:	497669.17
Date Started:	Oct. 22, 2007
Date completed:	Oct. 31, 2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	16.70	OVERBURDEN															
		16.7m Of nw casing.															
16.70	135.00	GRANODIORITE															
		Granodiorite.															
		Same as other holes.															
		Fine-medium grained, massive, homogeneous.															
		Patchy beige to brownish more potassic sections.															
		Structure: moderate to strong fracturing at upper															
		particularly (16-32m), RQD of 50%. Then moderate to															
		weak fracturing with a 70% rqd.															
		1-3mm Dark green serpentine fracture filling															
		locally with a few orange-brown oxidized fractures.															
		Very minor local clear quartz veins.															
		Rare dull yellow-brown on fractures.															
		25.30 25.40 White to clear quartz vein, 60 tca.															
		29.70 29.85 Same as above, 60 tca.															
		52.25 52.40 Same as above, 90 tca.															
		84.20 86.20 Minor section of broken, fracturing at															
		0-20 degrees to core axis, 40-50% rqd.															
		95.50 96.50 Beige brown more potassic section with															
		greenish serpentine on fractures and															
		along micro fractures.															
		114.70 114.90 White to clear quartz vein, 90 tca.															
		114.90 116.00 Same as 95.5-96.5.															

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(%) %
		118.50 119.00 Same as 95.5-96.5 but with minor brecciation healed with serpentine.															
		Sharp lower contact at 10 tca.															
135.00	150.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark grey to black, fine grained, massive, moderately hard, non magnetic, locally fractured, brecciated and conductive.															
		Light to dark grey ankerite altered sections with very weak serpentine.															
		RQD of 70% with minor broken core.															
		Fracturing ranging from 0-40 degrees to core axis with serpentine fracture filling.															
		1-3% White-grey carbonate stringers at 30-40 tca.															
		143.80 150.80 20-30% dark black-grey, brecciated, graphitic altered section, silvery-black graphite healed breccia and fracture filling, trace amount of brassy brown po.															
		Gradual lower contact.															
150.80	159.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (mesocumulate).															
		Pale greenish grey serpentine ankerite altered peridotite with generally cm sized dark green olivine spinifex scattered throughout.															
		Good RQD of 80% with minor fracturing, brecciation and broken core.															
		Mineralization consists of rare disseminated pyrrhotite with a few tiny ripped up calcite stringers.															
		Gradual lower contact.															
159.50	182.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark black to greyish, fine grained, massive homogeneous, hard, non magnetic.															
		Very weak serpentine and ankerite altered (greyish-green).															
		Good RQD of 90% with minor fracturing and serpentine-carbonate fracture filling.															
		2-3% Greyish green serpentine and white calcite stringers at various angles 30, 50 and 70-80 degrees to core axis, generally hairlike with some as thick as 1cm.															
		159.50 175.60 Patchy trace amounts fine with rare 0.5% po.															
		164.90 8cm white quartz-calcite vein with 85 degrees to core axis contacts.															
		175.60 182.00 1-2% po-pn as tiny blebs/patches 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(%) %
		disseminations.															
		Gradual lower contact.															
182.00	184.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (mesocumulate).															
		Dark black to greyish, same as previous unit but															
		more of a mesocumulate.															
		Randomly oriented dark black platy olivine spinifex															
		texture throughout unit.															
		Excellent RQD of 95% with minor fracturing at 65-75															
		degrees to core axis and thin mostly serpentine															
		fracture filling.															
		0.5% Low angle calcite-serpentine.															
		3-5% Yellow-brown po-pn as irregular shaped patches															
		from 1cm-5cm, 20 or so locally clustered po-pn															
		blebs/patches 1-4mm sized and locally disseminated.															
		183.60 10.00 Cm section of 2-4mm sized serpentine															
		filled amygdules.															
		Gradual lower contact.															
184.80	203.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark black grey, fine grained, massive,															
		homogeneous, hard, non magnetic, altered, fracture,															
		weakly brecciated.															
		Alteration consists of weak serpentine and ankerite															
		altered grey with dark black graphite altered															
		sections.															
		Good RQD of 75-80% with minor brecciation healed															
		with graphite and serpentine.															
		Fracturing at generally 30 degrees to core axis															
		with silver-black graphite and dark green															
		serpentine fracture filling.															
		1-2%grey-white Calcite-serpentine stringers at															
		various angles.															
		Trace-1% yellow-brown po-pn mostly on fractures															
		with some associated with stringers and locally															
		disseminated.															
		Lower contact at 45 tca.															
203.80	205.20	GRAPHITIC ARGILLITE															
		Graphitic argillite.															
		Dark black, aphanitic- very fine grained, massive,															
		homogeneous, moderately hard, highly conductive.															
		Pervasively graphite altered with a patchy weak															
		calcite.															
		Minor fracturing at 20 and 40 degrees to core axis															
		with silver-black graphite on the fractures.															
		0.5-1% Finely disseminated po-pn.															
		Gradual lower contact.															

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(%) %
205.20	206.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (mesocumulate).															
		Dark grey to black graphite altered spinifex															
		peridotite mesocumulate, fine grained, non															
		magnetic, moderately hard.															
		Stubby/platy grey-black randomly oriented olivine															
		spinifex.															
		0.5% Po-pn as disseminations and on fractures.															
		Lower contact at 65 tca.															
206.10	208.20	GRAPHITIC ARGILLITE															
		Graphitic argillite.															
		Same as 203.8-205.2, 60% RQD, trace-0.5% finely															
		disseminated po-pn.															
		Lower contact at 50 tca.															
208.20	210.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate (breccia).															
		Dark grey, fine grained, massive, brecciated, hard,															
		non magnetic.															
		Weakly serpentine-ankerite altered with patches of															
		graphite.															
		RQD of 85% with a weak mostly graphite healed															
		breccia and some localized micro fracturing.															
		Minor fracturing with dark green serpentine															
		fracture filling, rare graphite.															
		0.5-1% Po-pn flakes on fractures.															
		Lower contact at 60 tca.															
210.30	212.00	GRAPHITIC ARGILLITE															
		Graphitic argillite.															
		Same as 203.8-205.2.															
		Slightly more calcite altered.															
		Weakly fractured and brecciated unit with RQD of															
		80%.															
		1%-1.5% Finely disseminated po-pn in matrix along															
		stringers/fractures.															
		Lower contact at 60 tca.															
212.00	229.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Pale green-grey-black, fine grained, massive,															
		moderately hard, non magnetic, fractured, altered,															
		locally mottled.															
		Greyish-green serpentine-ankerite altered, a few															
		very weak graphitic altered sections.															
		RQD of 60-65% with fractured/broken core throughout															
		unit.															
		Fracturing at 30-50 degrees to core axis with mix															
		of dark green 1-3mm serpentine and silver-grey															
		graphite fracture filling.															

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(%) %
		212.00 216.00 2% grey-white carbonate stringers at 30 degrees to core axis, trace po-pn on fractures.															
		221.50 A few scattered calcite stringers.															
		Gradual lower contact.															
229.00	236.70	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (mesocumulate).															
		Platy cm sized randomly oriented olivine spinifex changing to patchy mm-cm sized more blade like with depth.															
		Matrix is variably altered with patchy pale green-grey serpentine-ankerite alteration.															
		Fairly good RQD of 70% with minor low angle fracturing and dark green serpentine filling.															
		Nil to trace finely disseminated po-pn.															
		Gradual lower contact.															
236.70	263.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark black-grey, fine grained, massive, homogeneous, hard, non magnetic, mesocumulate-adcumulate.															
		Locally weakly carbonate and serpentine altered.															
		Excellent RQD of 90-95% with rare broken core.															
		Fracturing at 70-75 degrees to core axis with thin serpentine and occasionally carbonate fracture filling.															
		2-3% White to grey-white calcite and serpentine.															
		241.80 244.80 Pale grey-green, massive, pervasively ankerite-serpentine altered.															
		251.30 254.30 Dark black section of more typical adcumulate with scattered mm-cm sized patches of po-pn, trace amounts, maybe 1-2 patches per meter.															
		257.70 263.00 Pale grey-green, massive, pervasively ankerite-serpentine altered section with several inter flow GRAPHITIC ARGILLITE starting around 259.3m and ranging in thickness from 5cm to 30cm, locally brecciated with graphitic healing and alteration.															
		261.10 261.80 Dark black, fine grained GRAPHITIC ARGILLITE with 0.5-1% patches of po-pn.															
		Gradual lower contact.															
263.00	298.30	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (mesocumulate).															
		Black with grey-green sections, fine grained, hard, non magnetic, locally conductive, fractured.															

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(%) %
		Alteration consists of weak pale green-grey serpentine-ankerite and 10% dark black graphitic sections.															
		Spinifex starts out as very distinct platy olivine spinifex (cm sized, random orientation) and then begins to disappear due to alteration, broken core around 268m. The spinifex then alternate between mm-cm sized chicken scratch and platy textures, sometimes disappearing for over 3m.															
		RQD of 60% with several sections of broken core.															
		Fracturing at 40 and 50 degrees to core axis with predominately dark green serpentine and silver-black graphite locally.															
		Generally trace po-pn with local sections of up to 0.5% po-pn on fractures associated with graphic sections.															
		295.00 299.60 Massive, dark grey-black, possible separate KOMATIITIC PERIDOTITE MESOCUMULATE flow, no visible spinifex.															
		Sharp lower contact at 50 tca.															
298.30	299.60	FELSIC INTRUSIVE (UNDIFFERENTIATED)															
		Felsic dyke (granodiorite ?).															
		Grey to pinkish-grey, fine to medium grained, massive, homogeneous, very hard, non magnetic.															
		No reaction to HCl, very minor silicification.															
		Excellent RQD of 90-95% with rare fracturing at 40 degrees to core axis, filled with minor serpentine.															
		Trace white calcite stringers at 40 tca.															
		No visible sulphides.															
		Sharp lower contact at 55 tca.															
299.60	308.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark grey-black, fine grained, massive, homogeneous, hard, on magnetic.															
		Pervasive weak carbonate alteration with a patchy serpentine.															
		Excellent RQD of 90% with chlorite filled fractures at 70 tca.															
		1% Grey-dark green serpentine stringers at 70 tca.															
		No visible sulphides.															
		Sharp lower contact at 50 tca.															
308.90	311.90	INTERMEDIATE DYKE															
		Intermediate dyke.															
		Purple grey, aphanitic to fine grained, massive, homogeneous, very hard, non magnetic.															
		Weakly chlorite altered.															
		Excellent RQD of 95% with minor fracturing at 20,															

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(%) %
		50 and 60 degrees to core axis with dark green serpentine fracture filling.															
		0.5% White hairlike stringers with a few milky white quartz-calcite veinlets at 50 tca.															
		Trace dull yellow brown disseminated pyrite.															
		310.90 10cm angular fragment granodiorite, pinkish-white with black speckles.															
		311.10 5cm oval (egg shaped) fragment granodiorite, pinkish-white with black speckles.															
		Sharp lower contact at 50 tca.															
311.90	314.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (mesocumulate).															
		Pale green-grey, fine grained, altered, spinifex textured, brecciated, vesicular.															
		Weak mix of ankerite-serpentine alteration.															
		Excellent RQD of 95% with fracturing at 60 degrees to core axis and serpentine fracture filling, local graphite.															
		Mineralization consists of a few specks of pyrrhotite and a few hairlike calcite stringers.															
		311.90 312.50 Weakly brecciated, graphitic healed, graphitic fractures, 5-6cm GRAPHITIC ARGILLITE, trace pyrrhotite, no spinifex, flow top breccia.															
		312.50 314.80 Scattered cm sized blades to platy olivine spinifex with 1% 2-5mm subrounded serpentine amygdules.															
		Gradual lower contact.															
314.80	321.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark grey to altered green-brown, fine grained, massive, homogeneous, hard, on magnetic, locally amygdaloidal.															
		Pervasive serpentine alteration with a weak ankerite alteration.															
		Excellent RQD of 95% with fracturing at 70 degrees to core axis and dark green serpentine fracture filling.															
		Rare disseminated pyrrhotite with a few 70 degrees to core axis calcite stringers.															
		314.80 316.20 Light grey to grey with 0.5% oval slightly elongated serpentine filled amygdules.															
		318.80 319.60 Brownish-green more intensely altered section.															
		Gradual lower contact.															
321.70	323.30	KOMATIITIC SPINIFEX PERIDOTITE															

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(%) %
		Komatiitic spinifex peridotite (mesocumulate). Dark grey to green black matrix, fine grained, massive, homogeneous, hard, non magnetic. Pervasive serpentine alteration with a weak ankerite alteration. Poorly developed olivine spinifex texture throughout as mostly mm platy spinifex and chicken scratch. No visible sulphides with rare calcite stringers. Gradual lower contact.															
323.30	337.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate. Dark grey-black, fine grained, massive, homogeneous, hard, non magnetic, locally amygdules. Weakly serpentine altered with greyish more ankerite altered. Excellent RQD of 95% with minor dark green serpentine and white carbonate fracture filling. 3% White, grey white and green calcite, calcite-serpentine and serpentine stringers at various angles but generally 50 tca. Rare disseminated po.															
		323.30 326.90 5% dark green 2-5mm, oval serpentine filled amygdules, rare pyrrhotite disseminations.															
		326.90 328.30 1% disseminated pyrrhotite with a few scattered olivine spinifex in dark black matrix.															
		Lower contact at 70 tca.															
337.60	341.80	KOMATIITIC PYROXENITE															
		Komatiitic pyroxenite. Grey to dark grey, medium grained, massive, homogeneous, hard, non magnetic, 80% pyroxene. Pervasively carbonate alteration. Good RQD of 85% with fracturing at 50-60 degrees to core axis and serpentine-calcite fracture filling. 1% Hairlike calcite stringers at various angles 20-30 and 60 tca. No visible sulphide mineralization. Gradual fining on both upper and lower contacts.															
341.80	385.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite mesocumulate. Dark black with grey sections, fine grained, massive, moderately hard-hard, homogeneous, non magnetic, locally vesicular. Weakly serpentine altered with greyish carbonate alteration. Excellent RQD of 95% with dark green serpentine 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(%) %
		occasionally white carbonate fracture filling.															
		2-3% White to grey white mostly calcite and calcite-serpentine stringers with some veinlets at 30, 40, 60 and 85 tca.															
		341.80 349.00 3% scattered irregular shaped serpentine filled blotches/clots scattered throughout.															
		356.00 359.00 0.5%-1% brassy brown disseminated po-pn.															
		357.40 361.00 3% serpentine filled blotches and amygdules.															
		371.70 372.20 Pale-green, serpentinized section, orthocumulate.															
		372.20 374.50 Brownish-grey carbonatized, massive, mesocumulate, a few greyish carbonate stringers at 30-40 tca.															
		374.50 385.40 5% 5mm-1cm oval serpentine filled amygdules until around 380m, then 0.5% scattered amygdules to blotches, trace-0.5% finely disseminated po-pn, patchy pistachio green serpentinization.															
		Gradual lower contact.															
385.40	441.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate (massive).															
		Dark black typical mineralization host unit, very fine grained, massive, homogeneous, hard, non magnetic.															
		Pervasive weak serpentine alteration with a few pistachio green sections and weak grey carbonate alteration.															
		Good RQD of 80% with minor sections of broken core.															
		Fracturing is at 30, 50 and 70 degrees to core axis with dark green serpentine and some white carbonate fracture filling.															
		1-3% White, grey-white and green-pistachio green calcite, calcite-serpentine and serpentine stringers with a few veinlets at various angles but generally 40-50 degrees to core axis, hairlike-1.5cm.															
		385.40 431.10 Trace to 3-4% po-pn mineralization primarily as very fine disseminations with scattered oval blebs and irregular shaped patches with a general association with stringers/fractures (1-5mm sized).															
		401.00 408.00 Broken, fractured core, 60% rqd.															
		431.10 440.30 Mineralization consists of 3-10% bronzy brown pyrrhotite and yellow brown pn as varying concentrations 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(%) %
		fine disseminations, clustered irregular shaped blebs/blobs (1-6cm) and scattered patches/blebs (2mm-1.5cm sized) associated with stringers/fractures.															
		440.30 441.80 20-23% disseminated brassy brown-yellow brown po-pn, mix of finely disseminated and flaky disseminations.															
		Gradual lower contact.															
441.80	461.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark grey to black, fine grained, moderately hard, non magnetic, locally massive, fractured.															
		Weak patches of greyish-green ankerite-serpentine alteration.															
		Fairly good RQD of 80-85% with mostly serpentine-carbonate fracturing at 40-60 tca.															
		1-2% White and grey-white mix of calcite and serpentine-calcite stringers at 40, 50 and 70 degrees to core axis, hairlike- 5mm.															
		441.80 449.70 Trace disseminated po-pn.															
		449.70 456.70 2-4% brassy brown pyrrhotite with yellow brown pn, fine grained, 0.5%-2% finely disseminated, 3-4% as local clustered patches and as fine hairlike-1.5cm thick stringers associated with serpentine-calcite stringers/fractures.															
		456.70 461.10 0.5%-1% po-pn disseminations and patches, mesocumulate-adcumulate.															
		458.90 459.20 Brownish-red alteration with 0.5% associated sulphides.															
		Gradual lower contact.															
461.10	463.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (mesocumulate).															
		Dark grey-black, fine grained, moderately hard-hard, non magnetic, fractured, mesocumulate.															
		Patchy pale grey green serpentine-ankerite alteration.															
		Dark green-black olivine spinifex as blades with a general orientation of 40 degrees to core axis with scattered random spinifex throughout.															
		1% White calcite stringers at 70-75 degrees to core axis.															
		Trace disseminated po-pn.															
		Gradual lower contact.															
463.90	479.10	KOMATIITIC PERIDOTITE MESOCUMULATE															

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(%) %
		Komatiitic peridotite mesocumulate. Dark grey-black, fine grained, massive, homogeneous, hard, non magnetic, altered, fractured, brecciated. Patchy pistachio green-grey serpentine alteration, local carbonate alteration. Good RQD of 85-90% with serpentine and some calcite fracture filling at 70-75 tca. 1-2% White calcite stringers with some grey-white serpentine stringers at 50 and 70 degrees to core axis. Nil to trace finely disseminated po-pn. Gradual lower contact.															
479.10	480.30	KOMATIITIC SPINIFEX PERIDOTITE Komatiitic spinifex peridotite (adcumulate-mesocumulate). Poorly developed olivine spinifex texture throughout as mostly mm sized chicken scratch, which is often masked by green-grey serpentine-ankerite alteration. Trace-0.5% disseminated po-pn mineralization. Gradual lower contact.															
480.30	500.00	KOMATIITIC PERID0TITE ADCUMULATE Komatiitic peridotite adcumulate. Dark black, fine grained, massive, homogeneous, hard, non magnetic. Local weak serpentine alteration. Good RQD of 80-85% local broken core. 1-2% White calcite stringers at 75-80 degrees to core axis with a few quartz-calcite stringers at around 40 tca.															
		480.30 489.70 Trace-0.5% finely disseminated po-pn.															
		489.70 490.80 Greyish-black, altered sections, 50-60% RQD, fractured/broken core at 50 and 70 degrees to core axis with thin green serpentine fracture filling.															
		490.80 491.10 Graphitic argillite/peridotite, 0% RQD, non conductive matrix with silvery-black graphitic fractures, nil sulphides, contacts at 50 and 30 tca.															
		491.10 500.00 Locally carbonate altered, trace to 1-1.5% locally clustered disseminated po-pn.															
		494.40 494.50 Greyish-black, graphitic argillite/peridotite, 70% RQD, weakly fractured, nil sulphides.															

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(%) %
500.00		END OF HOLE															

Date: 4 Dec, 2008 GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349406.00	Drill Hole:	GCL7-34
Easting:	497359.40		
Elevation:	294.67	Project:	Langmuir Zone
		Property:	Langmuir
Collar Azi.:	324.9	Claim:	4203498
Collar Dip:	-44.6	Northing:	2+00N
		Easting:	1+25W
		GPS Northing:	5349405.95
Hole length:	63.00	GPS Easting:	497359.42
Units:	Metric	Date Started:	October 18,2007
Core size:	NQ	Date completed:	October 19,2007
Grid:	Metric 2007	Drilled by:	Norex
		Sample type:	Cut Core
Materials left:	Casing Pulled.	Analyses:	
Collar survey:	Chained	Lab:	
DH Survey method:	Reflex	Sample series:	
		Lab report:	
Comments:	Stopped due to Azimuth and Dip deviation		
Logged by:	G. Sparling		
Date(s) logged:	October 22,2007		
Purpose:			
Core storage:	Hastings Facility Timmins		

*** Dip Tests ***

Depth	Azi.	Dip
23	328.5	-46.4

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	11.40	OVERBURDEN 12m Of nw casing.															
11.40	34.30	DIABASE Diabase dyke. Green to grey, fine to medium grained, massive, homogeneous, patchy weak magnetism, hard, fractured. Patchy very weak calcite alteration, localized around calcite stringers. Good RQD of 80% with a few minor sections of broken core. Fracturing at 30 and 60-70 degrees to core axis with nil to very minor serpentine fracture filling. 0.5% White, irregular hairlike stringers with a few green serpentine stringers. No visible sulphides. Sharp lower contact at 10-15 tca.															
34.30	63.00	KOMATIITIC PERID0TITE ADCUMULATE Dark black, fine grained, typical unit, massive, homogeneous, moderately hard, non magnetic, fractured. Patchy very weak pistachio green serpentine alteration. Good RQD of 90% with a few minor sections of broken															

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.															
		Fracturing at 30-40 degrees to core axis but															
		generally 60-70 degrees to core axis minor															
		serpentine-carbonate fracture filling, 1-4mm thick.															
		3% Grey-white serpentine-calcite stringers at 30															
		and 70 tca.															
		1-2% Pistachio green serpentine stringers at 70 tca.															
		Nil-0.5% with maybe 1% po-pn mineralization as															
		mostly disseminated po-pn with only a few tiny oval															
		blebs and patches, mineralization is increasing															
		with depth.															
		34.50 34.70 A few minor slips at 30 degrees to core															
		axis with grey serpentine clay gouge.															
		38.00 40.00 A few milky white quartz-calcite															
		veinlets at 0-30 tca.															
63.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349406.00
Easting:	497359.40
Elevation:	294.67
Collar Azi.:	324.9
Collar Dip:	-44.6
Hole length:	392.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	TALBOT GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	K. Montgomery
Date(s) logged:	October 23,2007
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
23	325.7	-43.3
74	326.5	-44.0
125	327.9	-44.8
176	333.0	-45.6
227	332.1	-46.4
278	332.2	-46.7
329	336.0	-46.8
380	335.4	-46.1

Drill Hole:	GCL7-34A
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	2+00 N
Easting:	1+25 W
GPS Northing:	5349405.95
GPS Easting:	497359.42
Date Started:	October 19,2007
Date completed:	October 25,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	11.00	OVERBURDEN															
11.00	40.50	DIABASE															
		11.00 Metre of nw casing.															
		Azimuths at 23m (314.3), 74m (321.7), and 176m															
		(333) no good due to magnetic diabase and therefore															
		estimated.															
		Grey, vfg-fg, magnetic, hard massive, homogeneous															
		weakly fractured diabase dyke? it appears to be a															
		north trending matachewan diabase dyke.															
		High specific gravity. It consists of very fine															
		black amphibole laths interlocked with grey-															
		quartz- feldspar.															
		Structure: moderate fracturing randomly oriented,															
		RQD 50-60. Fractures often dark green chlorite															
		coated.															
		17.30 17.70 Soft very fine grained white and green															
		carbonate-chlorite filled fracture or															
		vein at 0 degrees to core axis, cutting															
		half the core.															
		18.90 19.40 Same as above, 5 tca.															
		Lower contact sharp, 10 tca.															
40.50	62.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Light grey, vfg-fg, carbonatized, mesocumulate															

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. It is composed of 50-60% black very fine olivine cumulate grains in a white aphanitic matrix. The mesocumulate is cut by 3-4% white irregular carbonate filled fractures and veinlets that often have aqua green serpentine adjacent to them. Structure: weak to moderate fractures rqd-90.															
		40.50 43.20 Blocky core rqd-0.															
		40.50 42.00 Black aphanitic serpentine? chill margin (mesocumulate baked by diabase).															
		61.00 62.30 Magnetic, lower contact gradational.															
62.30	68.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Black to greenish black, mottled, vfg-fg, magnetic, homogeneous, massive adcumulate peridotite (85-95% olivine cumulate). The adcumulate is graphitic from 68 to 68.9m at the lower contact margin. Structure: weakly fractured rqd-90. Min:trace sulphides locally.															
		64.30 68.00 Alteration: moderate pervasive serpeninization causing mottled green colouration. Also moderate to intense white carbonate veining/fracture filling.															
		Lower contact sharp 45 tca.															
68.90	81.05	DIABASE															
		Same as 11.0-40.5m. Structure: very competent rqd-95. Lower contact sharp 40 tca.															
81.05	128.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey, very fine grained, homogenous, adcumulate peridotite (85-90% olivine cumulate). It is cut by 2-3% randomly oriented white carbonate stringers to fractures (up to 1 cm widths). Structure: weakly fractured rqd-85 with local sections of poorly rqd-0 over short lengths (99.7-99.9m and 103.9-104.0m).															
		81.05 84.00 Magnetic.															
		84.00 89.00 Alteration: patchy silicification.															
		97.95 98.05 White very fine grained carbonate vein, 40 tca.															
		99.90 100.20 White very fine grained carbonate flooded (80-75% of section) zone, lower contact 55 tca.															
		103.70 103.80 White very fine grained carbonate vein, upper contact 35 degrees to core axis and lower contact 60 tca.															
		127.20 128.50 Alteration: weak to moderate															

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(%)
		pervasive carbonatization imparting grey colouration to section.															
		Lower contact somewhat sharp, 30 tca.															
128.50	130.65	KOMATIITIC PERIDOTITE ORTHOCUMULATE															
		Greenish-grey, vfg-fg, soft, non-magnetic, altered orthocumulate peridotite. It consists of 10-20 % very fine black olivine and 30% green serpentine cumulate grains within a pale green matrix.															
		Alteration: weak to moderate pervasive serpentinization and carbonatization bleaching the unit. Nil sulphides.															
		129.00 129.40 Section contains black subangular aphanitic adcumulate peridotite shards to small selvages.															
		Lower contact gradational.															
130.65	145.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Grey, vfg-aphanitic, soft, non-magnetic, faintly spinifex textured olivine komatite. Very faint black randomly oriented fine olivine needles in an aphanitic peridotite ground mass. Nil sulphides.															
		Structure: weak fracturing rqd-95.															
		Alteration: moderate pervasive carbonatization.															
		143.00 145.00 Weakly brecciated typical lower margin of spinifex section.															
		Lower contact gradational.															
145.00	175.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 81.05-128.5m, including the fracturing and white carbonate veining amounts.															
		150.70 151.10 Alteration: weak pervasive carbonatization bleaching section to light grey.															
		151.10 151.70 Small diabase dyke, non-magnetic upper contact 40 degrees to core axis and lower contact undiscernable.															
		151.70 152.90 Alteration: same as 150.0-151.1m.															
		167.00 175.40 Magnetic.															
		169.75 169.90 Intense white serpentine carbonate stringer flooded section.															
		175.05 175.15 Same as above.															
		Lower contact sharp, 80 tca.															
175.40	182.50	DIABASE															
		Same as 11.0-40.5m.															
		Lower contact sharp, 60 tca.															
182.50	188.55	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Blackish green, vfg-fg, non-magnetic, serpentinized mesocumulate peridotite (70 % fine black olivine															

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(%) %
		cumulate in either white or pale green serpentine carbonate matrix).															
		Very minor white carbonate filled fractures. Nil sulphides.															
		Structure: competent rqd-95.															
		Lower contact marked by serpentine band.															
188.55	197.60	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale green, same as 130.65-145.0m.															
		Alteration: weak to moderate pervasive serpentinization.															
		188.55 188.75 Pale green to white vvfg - aphanitic serpentine- carbonate band.															
		195.70 197.60 Weakly brecciated section typical lower margin of a spinifex section.															
		Lower contact marked by a gouge.															
197.60	218.25	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 182.5-188.5m.															
		Structure: weak to moderate fracturing below 204.5m. Rqd-70.															
		197.60 204.50 Upper particularly, blocky core due to strong fracturing rqd-30. Also moderate white very fine grained carbonate veins (up to 10cm wide) and stringers.															
		197.75 197.90 Pink, very fine grained, hard, felsic intrusive with fine black anastomosing fractures.															
		205.00 206.00 Bracket samples.															
		208.00 209.00 2% aqua green aphaniticserpentine veinlets.															
		214.00 215.00 Bracket sample- brown ankerite infilling white carbonate stringers.															
		Lower contact gradational.															
218.25	220.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale green, serpentinized olivine spinifex flow top section subdivided as follows:.															
		218.25 219.50 Weakly brecciated mesocumulate peridotite (same as 197.6-218.25m) with local faint olivine laths. This section is possibly the flow top breccia.															
		219.50 220.35 Pale green, intensely serpentinized, platy olivine spinifex section.															
		220.35 220.80 Blackish green, aphanitic adcumulate peridotite section, weakly fractured.															
		Lower contact gradational.															
220.80	224.00	PERIDOTITE															

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(%) %
		White speckled green grading to brown at 221.5m. Fg-mg, massive homogeneous peridotite intrusive or intrusive textured flow. It consists of 20-25% white fine grained carbonate specks (matrix) interlocked with green serpentinized olivine grains or brown altered olivine grains. Structure: competent rqd-95. 223.80 224.00 Sheared section, shearing 45 tca. Lower contact gradational.															
224.00	230.50	KOMATIITIC PERID0TITE ADCUMULATE Blackish green, very fine grained, non- magnetic same as 62.3-68.9m. It is cut by minor (1%) white irregular carbonate stringers/fine fractures.(1-3mm). Structure: weakly fractured rqd-90. 224.00 225.20 Sheared to strongly foliated, shearing 45 degrees to core axis. 225.50 226.50 Bracket sample. Nil sulphides. Lower contact gradational.															
230.50	253.30	KOMATIITIC PERIDOTITE MESOCUMULATE Blackish green, same as 182.5-188.55m. Minor (1%) white very fine grained carbonate filled fractures to stringers. Structure: weakly fractured, rqd-90. 237.00 239.00 Bracket sample nil sulphides. Lower contact gradational. Below 239m, the mesocumulate is pale green moderately serpentinized, olivine cumulate grains dark grey and matrix pale green. 246.05 247.60 10% randomly oriented dark green serpentine microfractures to fine tension gashes. 247.80 249.20 10-12% clear quartz eyes. Sharp lower contact, 35 tca.															
253.30	256.00	KOMATIITIC PERIDOTITE GRAPHITIC Black to greenish black, very fine grained, graphite rich adcumulate peridotite mixed with black aphanitic graphitic argillite material. This section is likely a flow bottom. Structure: moderate fracturing at low core axis angles rqd-50. Lower contact gradational.															
256.00	268.20	KOMATIITIC SPINIFEX PERIDOTITE Pale green, very fine grained, serpentinized, olivine spinifex komatite flow sequence subdivided as follows:.															

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(%) %
		256.00 257.50 Faintly spinifex textured olivine komatite (10% very fine black olivine laths in an aphanitic peridotite). This section is weakly brecciated with 15% dark green serpentine filled microfractures to tension gashes.															
		257.50 258.50 Fine grained homogeneous mesocumulate perridotite (60-70% dark grey olivine fine grains in a white to pale green aphanitic matrix).															
		258.30 259.50 Same as 256.0-257.5m.															
		259.50 259.80 Very fine grained homogeneous mesocumulate peridotite.															
		259.80 260.80 Same as 257.5-258.5m.															
		260.80 261.30 Same as 259.5-259.8m.															
		261.30 267.10 Random olivine spinifex textured komatiite. It consists of fine black olivine needles (1-2mm thick and 1 to 5 mm long) randomly oriented to locally platy oriented within a pale green very fine grained mesocumulate peridotite.															
		267.10 268.20 Very fine grained grading to fine grained mesocumulate peridotite.															
		Lower contact gradational.															
268.20	285.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Black to greenish black, vfg-fg, non-magnetic, homogeneous adcumulate peridotite (85-90% black olivine cumulate grains with white aphanitic matrix about the grains). Nil sulphides. It is cut by 2-3% white carbonate veinlets to fracture filling some with green serpentine. Alteration: local short sections on intense pervasive aquagreen aphanitic serpentine. Below 281m, matrix content increases to 15-20%, as it slowly grades into mesocumulate. Lower contact gradational.															
285.80	292.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Light green, vfg-fg, serpentinized, mesocumulate peridotite. It contains two small sections of graphite pepperite (angular black aphanitic graphite fragments within the flow) at 286.4 and 287.05- 287.2m. Structure: moderately fractured, rqd-60.															
		290.40 292.00 Crackle brecciated section- 15-20% very fine black graphite microfractures. Lower contact sharp, 55 degrees to core axis with															

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(%) %
		gouge.															
292.00	295.20	KOMATIITIC PERIDOTITE GRAPHITIC Black, very fine grained, graphitic, non-magnetic, massive mesocumulate peridotite (70% black olivine cumulate, 10% black graphite flakes and 20 % white aphanitic matrix). Alteration: weak to moderate pervasive silification. Structure: competent rqd-95.															
295.20	299.00	KOMATIITIC SPINIFEX PERIDOTITE Pale green, vfg- aphanitic, soft, platy olivine spinifex komatite. It consists of 7-10% dark green fine olivine needles (1-5cm long) parallel to each other in a serpentinized very fine grained mesocumulate peridotite. Structure: competent rqd- 97.															
299.00	303.50	KOMATIITIC PERIDOTITE MESOCUMULATE Same as 285.8-292m. Becomes darker green as olivine content increases below 302.5m.															
303.50	323.25	KOMATIITIC PERID0TITE ADCUMULATE Dark green, very fine grained, non-magnetic same as 62.3-68.9m it is cut by 1-2% white carbonate stringers to fractures(1-5mm) often with aqua green halos. Structure: weak fracturing, rqd- 90. Locally trace very fine grained po-pn disseminations. 305.00 305.25 Intense white to pale green carbonate- serpentine stringer flooding (40% of section). Stringers randomly oriented. 319.20 320.00 Same as above. Lower contact ?.															
323.25	329.60	KOMATIITIC SPINIFEX PERIDOTITE This is a typical spinifex flow top section with tops uphole. Very minor (up to 1%) white carbonate stringers/ microfractures. 323.25 324.95 Pale green, very fine grained, serpentinized, crackle brecciated (5-7% dark green serpentine filled microfractures) mesocumulate peridote (flow top breccia). 324.95 327.20 Dark to pale green, mottled, random to locally platy olivine spinifex section (fine long (up to 10cm) olivine needles). 327.20 329.60 Dark green, brecciated, weakly spinifex textured mesocumulate															

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 (spinifex bottom).															
		Lower contact sharp, 45 degrees to core axis, with gouge slip.															
329.60	343.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 303.5- 323.25m.															
		331.70 332.10 Alteration: intense pervasive aqua green serpentinization.															
		333.50 334.10 Same as above.															
		337.10 337.70 Alteration: white to pale green moderately intense carbonatization and serpentinization.															
		337.10 342.20 Blocky core rqd-20 due to moderately strong fracturing.															
		341.40 341.60 White very fine grained carbonate veinlets (1.0-1.5cm), 45 tca.															
		Lower contact gradational.															
343.10	354.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Pale green, very fine grained to aphanitic, non-magnetic, serpentinized, mesocumulate peridotite. This may be a flow top but no spinifex was observed.															
		The mesocumulate consists of 60% dark green olivine cumulate grains (partially serpentinized) within a pale green aphanitic matrix. Local sections of 1-2 % white carbonate stringers and fractures.															
		Structure: overall rqd-85.															
		344.60 352.40 Alteration: intense pervasive serpentinization causing a pale green coloration.															
		345.90 346.50 Crackle brecciated section- 10% irregular black serpentine filled microfractures.															
		347.80 349.20 Blotchy serpentinized sectio. It consists of subrounded patches (3-10cm) of aphanitic intense serpentinization.-.															
		349.50 350.00 Blocky core rqd-50 due to strong fracturing.															
		350.20 352.40 3% white carbonate snowflake specks (1-3mm).															
		352.40 354.10 Increase in olivine content downhole to 75%.															
		Lower contact gradational.															
354.10	371.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Blackish green, same as 62.3-68.9m. It is cut by 5% pale green serpentine - carbonate veinlets to stringers, randomly oriented.															
		Alteration: patchy moderate pervasive															

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(%) %
		serpentinization.															
		Structure: weak fracturing, rqd-95.															
		Lower contact gradational as white matrix becomes															
		greater than 20%.															
371.40	389.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark green, very soft, carbonatized, non-magnetic,															
		mesocumulate peridotite. It consists of 70-80%															
		black olivine cumulate grains in white aphanitic															
		carbonate matrix.															
		The upper portion (371.4-375m) is white speckled															
		due to 30% matrix.															
		Structure: weak fracturing rqd-85-90 in sections															
		371.4-375.7m, 380.0-385.5m. Moderate fracturing															
		from 375.7- 380.0m, RQD 50-60 mostly due to more															
		white carbonate stringer flooding.															
		The unit is cut by 3-4% irregular to randomly															
		oriented white carbonate stringers this increases to															
		10-12% stringers to veinlets (1-2cm) below 380m.															
		376.75 377.45 Possible shear zone- soft pale green															
		serpentine and white carbonate wisps.															
		Alteration:weak to moderate pervasive															
		carbonatization which becomes intense below 382m.															
		At 385.5m the mesocumulate is nearly completely															
		carbonatized and bleached white down to lower															
		contact.															
		Lower contact jagged and sharp, 60 tca.															
389.70	392.00	FELDSPAR PORPHYRY															
		Light brown, hard, massive, homogeneous felspar															
		porphyry sized feldspar phenocrysts in a felsic															
		matrix. Nil sulphides, rqd-90.															
		389.85 390.00 White very fine grained quartz vein															
		65 tca.															
392.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349370.00
Easting:	497605.00
Elevation:	294.57
Collar Azi.:	324.1
Collar Dip:	-46.1
Hole length:	393.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	Oct. 15, 2007
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
80	324.0	-45.7
131	325.6	-45.6
233	328.6	-46.5
284	329.6	-47.0
335	331.8	-47.2
386	332.9	-47.9

Drill Hole:	GCL7-33
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	0+25N
Easting:	0+50E
GPS Northing:	5349369.36
GPS Easting:	497605.02
Date Started:	Oct. 12, 2007
Date completed:	Oct. 19, 2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	11.40	OVERBURDEN															
		12.6m Of nw casing.															
11.40	27.30	KOMATIITIC PERIDOTITE MESOCUMULATE Komatiitic peridotite mesocumulate. Dark grey-black, fine grained, massive, homogeneous, hard, non magnetic, altered, fractured. Weakly serpentine and carbonate altered. Excellent RQD of 95%. Minor fracturing at 50-70 degrees to core axis with 2-4mm thin white carbonate and green serpentine as fracture filling. 1-2% White to grey-white serpentine and carbonate stringers, hairlike, 50-60 tca. 23.00 27.30 Ranging from a few brassy brown -yellow po-pn blebs 1-3mm sized to 1-2% patchy, blebby and disseminated po-pn with depth. Gradual lower contact.															
27.30	42.10	KOMATIITIC PERID0TITE ADCUMULATE Komatiitic peridotite adcumulate. Dark black, very fine to fine grained, massive, homogeneous, hard, non magnetic. Excellent RQD of 95%.															

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(%) %
		Minor fracturing at 65-70 degrees to core axis with very thin dark green serpentine filling. 1-2% Grey-white serpentine-carbonate stringers at various angles 20, 40 and 70 tca. Mineralization consists of trace finely disseminated po-pn with scattered patches and tiny blebs associated with stringers/fractures, maybe 0.5% locally. 40.80 42.10 Greyish more serpentine-carbonate altered mesocumulate. Gradual lower contact.															
42.10	42.60	KOMATIITIC SPINIFEX PERIDOTITE Komatiitic spinifex peridotite. Dark grey-black mesocumulate with mm-cm sized randomly oriented olivine spinifex texture. A few low angle calcite-serpentine stringers. Nil-trace po. Gradual lower contact.															
42.60	63.30	KOMATIITIC PERIDOTITE MESOCUMULATE Komatiitic peridotite mesocumulate (borderline adcumulate). Dark black with slight grey tinge, fine grained, massive, homogeneous, hard, non magnetic. Very weak serpentine alteration with minor pistachio green serpentine alteration, local greyish tinge represents weak carbonate alteration. Excellent RQD of 95%. Minor fracturing at 65-75 degrees to core axis with very thin 1-2mm serpentine-carbonate fracture filling. 2% Milky white-grey serpentine-calcite stringers at generally 40 tca. A few very minor weakly brecciated calcite-serpentine cemented sections. 42.60 54.60 Trace-2% finely disseminated po-pn. 49.70 Local 1-3mm oval serpentine filled amygdules. 54.60 63.30 1-3% blebby, patchy and locally disseminated brassy-brown-yellow po-pn mineralization. Gradual lower contact.															
63.30	91.50	KOMATIITIC PERID0TITE ADCUMULATE Komatiitic peridotite adcumulate. Dark black, very fine to fine grained, massive, homogeneous, hard, non magnetic. Excellent RQD of 95%. Minor fracturing at 65-70 degrees to core axis with very thin dark green serpentine filling.															

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% Grey-white serpentine-carbonate stringers at various angles from 30-50 degrees to core axis, 0.5% dark green-black serpentine stringers at 65 tca.															
		63.30 90.40 Nil to at best 0.5% finely disseminated po-pn.															
		90.40 91.50 3-4% po-pn oval blebs with some patches located around stringers/fractures.															
		Gradual lower contact.															
91.50	92.70	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite.															
		Dark grey-black mesocumulate section with poorly developed platy olivine spinifex texture.															
		Weakly serpentine and carbonate altered.															
		0.5%-1% Disseminated po-pn.															
		92.10 2mm speck of bright yellow chalcopyrite in stringer.															
		Gradual lower contact.															
92.70	102.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark black, very fine to fine grained, massive, homogeneous, hard, non magnetic.															
		Very weak serpentine alteration with patchy greyish carbonate alteration.															
		Good RQD of 85-90% with a few minor sections of broken core.															
		Locally brecciated with milky white-white calcite and serpentine healing.															
		2-3% White-milky white, hairlike to 5mm serpentine and calcite stringers with a few minor veinlets.															
		Nil to at best 0.5% finely disseminated po-pn.															
		Gradual lower contact.															
102.30	116.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark grey to black, fine grained, massive, homogeneous, hard, non magnetic, fractured, altered.															
		Weakly carbonate altered with patchy serpentine alteration.															
		RQD of 70-75% with numerous sections of broken core.															
		Fracturing at 20-30 and 60 degrees to core axis with 1mm-8mm white-green serpentine and carbonate fracture filling.															
		Rare brassy brown pyrrhotite on fractures.															
		Gradual lower contact.															
116.00	117.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (mesocumulate).															
		Pale greyish-green, fine grained, massive,															

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(%) %
		homogeneous, non magnetic, hard, altered.															
		Scattered poorly developed faint platy olivine															
		spinifex texture.															
		Weakly serpentine and ankerite altered.															
		No visible sulphide.															
		Gradual lower contact.															
117.50	123.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark black, very fine to fine grained, massive,															
		homogeneous, hard, non magnetic.															
		Patchy weak serpentine and ankerite alteration.															
		Poorly RQD of 60-65%.															
		Highly fractured at low angle from 0-30 tca.															
		117.50 120.00 Greyish black more mesocumulate															
		pervasively serpentine-ankerite															
		altered, nil sulphides.															
		121.10 Minor slip with 4-5mm gouge and															
		oriented at 30 tca.															
		121.00 123.90 1-3% yellow-brown irregular shaped															
		specks/patches of po-pn from mm sized															
		specks to 5cm irregular shaped															
		elongated patches, 40% RQD, broken															
		core.															
		Gradual lower contact.															
123.90	124.60	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (adcumulate).															
		Dark black greyish, very fine grained section with															
		well developed platy/blades from a few cm to 7-8cm.															
		Slight carbonate alteration.															
		0.5% Grey-white stringers at 40 tca.															
		Sulphide mineralization appears to be associated															
		with randomly oriented olivine spinifex, 3-5%															
		disseminated po-pn.															
		Gradual lower contact.															
124.60	137.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark black, very fine to fine grained, massive,															
		homogeneous, hard, non magnetic.															
		Patchy weak greyish ankerite alteration with a weak															
		pervasive pistachio green serpentine alteration.															
		RQD of 85-90% with minor fracturing and broken core.															
		1% White calcite and serpentine stringers at 50-60															
		tca.															
		Nil to trace disseminated po.															
		Gradual lower contact.															
137.60	147.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite															

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(%) %
		(adcumulate-mesocumulate).															
		Grey-black to light grey, fine grained, massive, homogeneous, non magnetic, hard, altered, fractured, brecciated.															
		Alteration consists of a pervasive carbonate alteration with a faint serpentine alteration.															
		Olivine spinifex in this unit are variable from grey to black-green, platy and chicken scratch styles, which is heavily disguised by alteration, brecciation and fracturing.															
		Fracturing is at various angles but generally 30 and 60 tca. The fracturing is filled with dark green serpentine ranging from 3-4mm in thickness with around 1mm or less of white carbonate on fractures locally.															
		Brecciation is very minor with dark green serpentine healing.															
		1% Fragmented grey-white calcite stringers.															
		Nil to trace disseminated po.															
		Gradual lower contact.															
147.20	191.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark black with grey-black sections, fine grained, massive, homogeneous, hard, non magnetic, altered, fractured.															
		Pervasive patchy pistachio green serpentine alteration with weakly carbonate altered greyish sections.															
		Good RQD of 85-90% with several minor sections of broken core.															
		Fracturing at 60-70 degrees to core axis and 30 degrees to core axis in sections of broken core.															
		Fracture filling consists of very thin serpentine and carbonate.															
		2-3% White and grey white serpentine-calcite hairlike stringers at 50-70 degrees to core axis with numerous pistachio green stringers at 70-75 tca.															
		147.20 162.80 Nil to trace disseminated po.															
		147.20 149.10 As previously described in several holes. There are scattered mostly irregular shaped blotches/clots of serpentine from mm sized to 5cm, minor blades of spinifex are also noted locally.															
		162.80 164.20 Weakly fractured section of broken core with around 2% po-pn along stringers/fractures and as local disseminations, section contains 2 irregular bulging sulphides															

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, local graphitic fractures.															
		164.20 173.50 Same as 147.2-162.8m.															
		171.30 173.20 Broken core, 10-15% RQD, calcite healed breccia, nil sulphide.															
		173.20 188.20 Nil to trace disseminated pyrrhotite, but very rare.															
		177.00 188.20 Greyish black carbonate altered mesocumulate-adcumulate section with a few meters of pistachio green-grey serpentine-carbonate altered sections.															
		188.20 191.30 Pale greyish-green, massive, mesocumulate section, possibly related to spinifex section below with around 1-2% mineralization po-pn disseminations and stringers.															
		Gradual lower contact.															
191.30	193.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (mesocumulate).															
		Dark grey-green matrix with dark green-black chicken scratch and platy olivine spinifex scattered throughout around 2% finely disseminated po-pn in matrix and mostly pyrrhotite specks on fractures.															
		Good RQD of 90% with minor serpentine fracture filling.															
		Gradual lower contact.															
193.80	211.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark greyish-black, fine grained, massive, homogeneous, hard, non magnetic, altered, fractured.															
		Pervasive greyish-white carbonate alteration with a very weak patchy serpentine alteration.															
		Good RQD of 85-90% with minor sections of broken core.															
		Minor fracturing throughout with serpentine and carbonate fracture filling.															
		1-3% White-grey-white carbonate and serpentine stringers at various angle from 30-50 tca.															
		193.80 201.00 Trace-1% po-pn as disseminations and locally associated to stringers.															
		201.00 No visible sulphides.															
		Gradual lower contact.															
211.50	215.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (adcumulate-mesocumulate).															
		Dark black-grey, fine grained, massive, homogeneous, hard, non magnetic.															
		Dark black-green olivine spinifex throughout unit															

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(%) %
		as randomly oriented blades, locally platy to chicken scratch.															
		Good RQD of 90-95%.															
		Minor fracturing at 70 degrees to core axis with thin green serpentine fracture filling.															
		1% White calcite stringers at 60 tca.															
		No visible sulphides.															
		Lower contact at 40 tca.															
215.40	216.80	FELSIC INTRUSIVE (UNDIFFERENTIATED)															
		Felsic dyke.															
		Greyish-pink, fine grained, massive, very hard, non magnetic.															
		Moderately siliceous.															
		15-20% Green mafic minerals, altered chlorite or amphiboles (?).															
		Unit chiefly composed of quartz and feldspars.															
		Good RQD of 95% with minor fracturing.															
		No visible mineralization.															
		Lower contact at 70 tca.															
216.80	218.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (adcumulate-mesocumulate).															
		Same as 211.5-215.4m.															
		Patchy weak pistachio green serpentine alteration.															
		No visible sulphides.															
		Gradual lower contact.															
218.80	241.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark black with light greyish mesocumulate sections, fine grained, massive, homogeneous, hard, non magnetic.															
		Weak patchy serpentine and ankerite alteration.															
		Good RQD of 80% with several sections of broken core.															
		Fracturing at 60-70 degrees to core axis serpentine and carbonate fracture filling.															
		2% White carbonate-serpentine stringers with a few veinlets at 60-70 tca.															
		Nil to 1% disseminated po-pn.															
		236.00 241.50 Increased serpentine and ankerite alteration giving unit patchy pale green-grey sections.															
		Gradual lower contact.															
241.50	273.80	KOMATIITIC PERIDOTITE GRAPHITIC															
		Komatiitic peridotite graphitic pepperite.															
		Dark black to dark grey, very fine to fine grained, massive, homogeneous, moderately hard, 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(%) %
		local mesocumulate sections.															
		Pervasive weak-moderate patchy calcite alteration															
		with a weak patchy graphitic alteration, both															
		alterations become more consistent and increase															
		with depth starting around 263m.															
		Fairly good RQD of 85-90% with a few minor sections															
		of broken core associated directly with graphitic															
		sections.															
		Fracturing at generally 40 degrees to core axis															
		with thin silver-black graphitic fractures.															
		0.5% White calcite stringers at generally 40 tca.															
		No visible sulphide mineralization.															
		241.50 246.20 Greyish mesocumulate serpentine and															
		ankerite altered with a few 30cm or															
		so very fine grained sga.															
		246.20 263.00 Greyish black, patchy weak calcite															
		alteration with 3% swirlly grey															
		stringers/alteration, nil sulphides.															
		263.00 Unit grades into more typical															
		moderately calcite and graphite															
		altered, massive, homogeneous															
		KOMATIITIC PERIDOTITE GRAPHITIC with															
		no visible sulphides.															
		Lower contact at 30 tca.															
273.80	284.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (adcumulate).															
		Dark green-grey, fine grained, massive,															
		homogeneous, altered, hard, non magnetic.															
		Weak to moderate patchy grey-green pistachio green															
		serpentine alteration.															
		Platy cm sized randomly oriented olivine spinifex															
		texture throughout out.															
		Excellent RQD of 95% with 60-70 degrees to core															
		axis serpentine0calcite healed fractures.															
		A few irregular white calcite stringers.															
		Trace finely disseminated po.															
		281.80 284.40 Massive, pervasively serpentine															
		altered section with rare patches of															
		poorly developed olivine spinifex															
		texture.															
		Gradual lower contact.															
284.40	307.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark black, fine grained, massive, homogeneous,															
		hard, non magnetic, altered, fractured.															
		Patchy pistachio green serpentine alteration.															
		Good RQD of 85%.															
		Fracturing at 30, 40 and 50 degrees to core axis															
		with dark green serpentine and white calcite															

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(%) %
		fracture filling from around 1mm-4mm thick.															
		1-2% Mostly white hairlike calcite stringers with some calcite-serpentine stringers at various angles from 40 and 50 tca.															
		Generally nil sulphides with a few meters of trace to 1% finely disseminated po-pn.															
		Gradual lower contact.															
307.90	325.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Dark grey to black, fine grained, massive, homogeneous, hard, non magnetic, fractured, altered.															
		Patchy grey ankerite and serpentine alteration.															
		Good RQD of 85-90% with a few minor sections of broken core.															
		Minor fracturing at 60-70 degrees to core axis with very thin serpentine and carbonate fracture filling.															
		1-2% Grey-white calcite-serpentine stringers at generally 60tca.															
		A few milky white carbonate stringers/veinlets at various angles.															
		Nil to trace po.															
		312.10 312.80 Weakly graphitic section with silver-black graphite on fractures.															
		314.30 Faint poorly developed platy olivine spinifex (?).															
		324.90 325.90 Pale-green grey, altered, mesocumulate-orthocumulate section.															
		Lower contact at around 70 degrees to core axis in broken core.															
325.90	326.70	GRAPHITIC ARGILLITE															
		Graphitic argillite.															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic, altered, fractured, highly conductive.															
		Strong patchy calcite alteration with a weak graphite alteration.															
		Good RQD of 85% with a few very minor sections of broken core.															
		Thin silver to grey-black graphitic fractures.															
		0.5% Yellow-brown po-pn associated with micro fractures.															
		Lower contact at 50 tca.															
326.70	346.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark black, fine grained, massive, homogeneous, fractured, hard, non magnetic.															
		Very weak patchy ankerite-serpentine altered.															
		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(%) %
		Minor fracturing at 40 and 70 degrees to core axis with thin serpentine-calcite fracture filling. 1-3% White-grey calcite-serpentine hairlike stringers at various angles. A few white calcite veinlets at 0-30 tca. Trace finely disseminated po. 343.00 346.20 Greyish more carbonate altered mesocumulate. Lower contact at 70 tca.															
346.20	350.40	GRAPHITIC ARGILLITE															
		Graphitic argillite. Dark black, fine grained, massive, homogeneous, hard, non magnetic, highly fractured, highly conductive. Highly calcite altered with weaker graphitic alteration. RQD of 70% numerous sections of broken core. Fracturing at 50 degrees to core axis with thin silvery-black graphite on fractures. Mineralization consists of a few yellow-brown specks of mostly pyrrhotite with lesser pn. Lower contact at 50 tca.															
350.40	353.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate. Dark greyish-black, fine grained, massive, homogeneous, moderately hard, slight local magnetism, patchy conductivity. Pervasively carbonate altered with patchy slightly conductive graphitic alteration. Fairly good RQD of 85%. Minor fracturing at 60-70 degrees to core axis with very thin serpentine and carbonate fracture filling. A few minor hairlike graphite healed fractures. 0.5% Grey-white carbonate stringers at 60 tca. Trace specks of pyrrhotite on fractures. Lower contact in highly fractured and faulted section.															
353.60	360.50	FAULT ZONE															
		Fault zone in graphitic argillite. Highly fractured fault zone typical of graphitic unit. Intensity of faulting is definitely mechanically enhanced. Dark black, very fine to fine grained, highly fractured, 0% RQD, poorly recovery of 40-60%. Minor clay gouge can be seen in a few sections throughout unit. Lower contact can not be distinguished.															

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(%) %
360.50	374.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-black, fine grained, massive,															
		homogeneous, hard, non magnetic, altered, fractured.															
		Pervasive carbonate alteration.															
		Good RQD of 90% with minor serpentine fracture															
		filling.															
		5% Greyish-white carbonate stringers at 40 and 70															
		tca.															
		No visible sulphides.															
		Gradual lower contact.															
374.00	393.00	KOMATIITIC PERIDOTITE GRAPHITIC															
		Komatiitic peridotite graphitic pepperite.															
		Dark grey to black and brownish with depth, fine															
		grained, massive, homogeneous, non magnetic,															
		moderately hard, non conductive.															
		Rare patches of calcite alteration a weak pervasive															
		graphitic alteration.															
		Minor fracturing- micro fracturing with dark black															
		graphite healing.															
		1% Irregular low angle calcite stringers with trace															
		amounts of coarse yellow-brown pyrite.															
		375.00 A few minor slips with 0.5mm-1cm															
		graphitic-kpdm clay gouge.															
		385.00 Unit becomes more typical KOMATIITIC															
		PERIDOTITE GRAPHITIC, dark black,															
		very fine grained, slightly graphitic															
		fractures, non to weakly calcite															
		altered (?), trace- 0.5% yellow															
		pyrite associated with stringers.															
393.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349372.00
Easting:	497397.20
Elevation:	298.80
Collar Azi.:	323.9
Collar Dip:	-44.3
Hole length:	449.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	K. Montgomery
Date(s) logged:	Oct.11, 2007
Purpose:	
Core storage:	Moneta Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
14	324.7	-44.7
44	325.0	-44.2
95	326.8	-45.3
146	329.1	-46.3
197	330.1	-47.4
248	331.1	-47.9
299	330.9	-48.1
350	335.0	-48.2
401	336.4	-47.2
449	337.4	-45.5

Drill Hole:	GCL7-32
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	1+50N
Easting:	1+20W
GPS Northing:	5349372.34
GPS Easting:	497397.18
Date Started:	Oct.10, 2007
Date completed:	Oct.18, 2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	3.00	OVERBURDEN															
3.00	16.60	GRANODIORITE 3.00 Metre of nw casing. Azimuth 332.4 @197m affected by magnetism, est. Value, dip at end of hole ?. Grey, very fine grained, weakly porphyritic hard massive, homogeneous non-magnetic granodiorite (similar to the other holes). Trace green chloritic amphibole fragments. It is cut by very minor (<1%) clear quartz fine veinlets (1-3 mm) throughout. Mineralization: local sections of fine grained brassy pyrite disseminations. Structure: moderate fracturing rqd-60. Lower contact sharp 60 to ca.															
16.60	17.30	GRAPHITIC ARGILLITE Black, very fine grained, weakly foliated to massive, graphitic argillite. Nil sulphides. Lower contact sharp 30 to ca.															
17.30	20.90	GRANODIORITE Same as 3-16.6m. Structure: weak fracturing rqd-95.															

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 sharp 60 to ca.															
20.90	23.50	GRAPHITIC ARGILLITE Black, very fine grained, soft, graphitic argillite. Locally fracture brecciated. Structure: strongly fractured rqd-20. Lower contact sharp but indiscernible due to blocky core.															
23.50	35.00	KOMATIITIC PERID0TITE Pale light green, very fine grained, very soft, strongly altered, komatiite peridotite (originally adcumulate?). Alteration: intense pervasive serpentinization and weak pervasive carbonatization. Nil sulphides. Structure: strong fracturing overall rqd-30 with local sections of rqd-0. - low angle to ca. Nil sulphides. 28.90 29.20 Blocky core rqd-0, graphite zone. 29.20 30.90 Breccia- altered komatiite peridotite is cut by graphite microfractures.(crackle brecciation). 30.50 30.90 Blocky core rqd-0, black very fine grained graphite zone. 32.30 34.50 Weak brecciation as a result of anastomosing black serpentine filled microfractures. Lower contact gradational.															
35.00	43.20	KOMATIITIC PERIDOTITE MESOCUMULATE Light grey, vfg-fg, carbonatized, mesocumulate peridotite. It consists of 70% grey carbonate altered olivine cumulate grains in a white very fine grained matrix. Very minor white very fine grained serpentine microfractures anastomosing pattern. Nil sulphides. Structure: weak to moderate fractures, rqd-30. Below 110m, weak to moderate fracturing rqd-70. Lower contact gradational.															
43.20	165.50	KOMATIITIC PERID0TITE ADCUMULATE Blackish green to grey, very fine grained, nonmagnetic, homogeneous kpda. It is cut by 1-2% white very fine grained carbonate filled microfractures. Structure: strongly fractured below 69.5m. Rqd-30 to 50. (69.5-110m). 46.00 53.00 Alteration: moderate pervasive carbonatization of the olivine cumulate, producing a light grey bleached section. Also section cut by															

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(%) %
		5-7% white carbonate filled microfractures.															
		88.00 92.90 Crackle brecciation due to 5% white to pale green carbonate- serpentine filled microfractures.															
		92.90 94.75 Breccia- 15-20 % white carbonate filled fractures (1-5mm) randomly oriented.															
		94.73 98.00 Same as 88- 92.9m.															
		98.50 101.00 Adcumulate cut by 1-2% aqua green serpentine filled fractures.															
		105.90 106.70 Blocky core rqd-0.															
		108.00 108.10 White, very fine grained, friable calcite vein, contacts 50 to ca.															
		106.00 109.00 Mineralization: trace overall, very scattered brassy po-pn specks (1-2 per m).															
		157.00 165.50 Magnetic section.															
		162.15 162.80 White soft carbonate vein to veinlets 10 to ca.															
		162.80 163.25 Blocky core- rqd-0, 60% core loss.															
		163.25 165.50 Alteration: weak to moderate pervasive carbonatization imparting grey coloration to section.															
		Also weakly brecciated by carbonate- serpentine filled fractures.															
		Lower contact sharp 35 to core axis, lower contact has a 10cm black aphanitic serpentine chill margin.															
165.50	184.65	DIABASE															
		Grey, vfg-fg, magnetic, hard massive, homogeneous weakly fractured diabase dyke? it appears to be a north trending matachewan diabase dyke.															
		High specific gravity. It consists of very fine black amphibole laths interlocked with grey- quartz- feldspar.															
		Structure: rqd- 80, nil sulphides.															
		Lower contact sharp 25 to ca.															
184.65	200.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Black, very fine grained, massive, magnetic, homogeneous, adcumulate peridotite (95-97% black tightly packed olivine.															
		Mineralization: silvery very fine magnetite disseminations visible.															
		Structure: weakly fractured rqd-70-75. Fractures black chlorite coated.															
		Unit cut by very minor (0.5%) white carbonate- serpentine microfractures.															
		Upper (5mm) and lower contact (2cm_) chill margins of blood red to black aphanitic serpentine.															
		199.90 200.00 Blood red hematitic? serpentine															

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(%) %
		veinlets.															
		200.00 200.40 White very fine grained carbonate filled fractures 0 to ca.															
		Lower contact sharp 30 to ca.															
200.90	213.00	DIABASE															
		Same as 165.5 to 184.65 m.															
		Structure: moderate to weak fracturing rqd- 60 with blocky core from 209.4- 210.7 metre.fractures coated by pale green serpentine.															
		204.95 205.05 Black aphanitic nonmagnetic soft chlorite seam infilling fracturing.															
		Lower contact sharp, 90 to ca.															
213.00	236.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Greenish grey to grey, vfg-fg, non-magnetic, soft, carbonatized mesocumulate peridotite (same as 35-43.2 metre). Nil sulphides.															
		Structure: weak fracturing, rqd- 80.															
		Alteration: moderate pervasive carbonatization throughout, with upper portion moderately serpentinized (213- 218.5 metre).															
		The mesocumulate is cut by 1-2 % white carbonate veinlets from 226.8- 233 metre then intense (10 %) carbonate veins to microfractures to lower contact?.															
		228.75 228.85 Greenish white soft aphanitic serpentine- carbonate vein, upper contact 30 to core axis and lower contact 45 to ca.															
		Lower contact gradational.															
236.70	261.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Blackish green, very fine grained, non- magnetic, homogeneous, massive adcumulate peridotite (95% olivine).															
		It is cut by 2% randomly oriented white carbonate serpentine veinlets (3-5mm) to microfractures (up to 2 mm) which tend to have aqua green aphanitic serpentine halos.															
		Structure: weakly fractured rqd-90. Min: trace sulphides locally.															
		Alteration: local patches of aqua green aphanitic serpentine.															
		Lower contact gradational.															
261.90	273.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Greenish grey, vfg-fg, non-magnetic, mesocumulate peridotite (70-75% black fine olivine within a pale green to white matrix). It is cut by 5% randomly oriented white carbonate serpentine															

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(%) %
		veinlets (3-5mm) to microfractures.															
		Alteration: weak pervasive serpentinization of the matrix.															
		269.10 270.20 Pale green to white very fine grained serpentine- carbonate vein to microfractures (25%).															
273.80	276.20	KOMATIITIC PERIDOTITE ORTHOCUMULATE															
		Bleached light grey altered section.															
		Alteration: moderate to strong pervasive serpentinization indicative of possible flow top section.															
		273.80 274.50 Polyhedral jointed section or weakly fracture brecciated section (possible flow top breccia).															
		274.50 275.25 Very fine grained grey massive to locally foliated orthocumulate peridotite (40-50 5 fine black olivine grains encapsulated by aphanite pale green to white matrix).															
		275.25 275.60 Same as above but pale to light green serpentinized orthocumulate (olivine completely altered to serpentine grains).															
		275.60 275.65 Black spotted (30-35% course olivine grains in white matrix) orthocumulate.															
		275.65 276.20 Same as 275.25-275.6m but aphanitic and possibly contains platy serpentine needles (kosx?).															
		Lower contact gradational.															
276.20	293.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 236.7 to 261.9m.															
		Structure: weak fracturing rqd- 90.															
		278.30 290.00 Moderately intense white carbonate veinlets to stringers (7 %).															
		280.00 284.00 Same as above, 2% veinlets to stringers.															
		284.00 285.00 Bracket samples.															
		Lower contact gradational.															
293.60	300.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Greenish grey, altered, mesocumulate peridotite (70-75% dark grey altered olivine grains in a white very fine grained carbonate matrix).															
		Alteration: moderate pervasive carbonatization. Nil sulphides.															
		Structure: weak fracturing rqd- 80.															
		Lower contact gradational.															
300.80	329.00	KOMATIITIC PERID0TITE 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(%) %
		Blackish green, same as 236.7-261.9m. Trace very fine disseminated brassy po-pn. Structure: weak fracturing rqd-95. It is cut by 1% white carbonate filled fractures (1-2mm) / stringers with some local veins. 312.85 312.91 White very fine grained soft carbonate-serpentine (20%) vein 70 to ca. 320.00 329.00 Alteration: light grey, moderate pervasive carbonatization. The section also has an increase in matrix from 3-5% to 10-12%. Locally matrix weakly serpentinized. Lower contact gradational.															
329.00	331.20	KOMATIITIC PERIDOTITE BRECCIA Light green very fine grained to aphanitic, weakly brecciated komatiitic peridotite. Flow top breccia. The peridotite is cut by 3-5% irregular randomly oriented fractures which at the top (329-329.3m) are filled with black to dark green serpentine and then black aphanitic graphite. The lower margin contains a black graphite zone. 329.50 Min: chalcopyrite splash (5 mm). Lower contact gradational. 330.90 331.20 Graphite zone, upper contact 70 to core axis and lower contact 30 to ca. Rqd-0.															
331.20	338.00	KOMATIITIC SPINIFEX PERIDOTITE Greenish grey, very fine grained, weakly spinifex textured mesocumulate peridotite. The mesocumulate same as 293.6-300.8 metre with 5% dark grey olivine needles (platy). Structure: weak fracturing rqd-90 nil sulphides.															
338.00	358.90	KOMATIITIC PERID0TITE ADCUMULATE Blackish green, same as 236.7 - 261.9m including veining. Mineralization: trace overall, very finely disseminated brassy po-pn. 350.00 354.50 2-3% aqua green aphanitic serpentine filled fractures/veinlets. Lower contact gradational.															
358.90	365.00	KOMATIITIC SPINIFEX PERIDOTITE Same as 331.2-338m. Greenish grey, very fine grained, weakly spinifex textured mesocumulate peridotite (5-7% black olivine needles scattered in platy orientation). Nil sulphides. Structure: weak fracturing rqd-90. Very minor (															

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(%) %
		0.5-1%) white carbonate veinlets to stringers.															
365.00	419.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 236.7 to 261.9m it is cut by 2-3% white irregular very fine grained carbonate serpentine stringers to veinlets (randomly oriented). Locally intense 10-12% at 368.4-369.2m, 374.3-375.7m, 396-397m, and 413.5-414.2m. Structure: weak fracturing at upper particularly (365-374m) rqd-95, then moderate fracturing rqd-70, (374-390m) and weak fracturing (below 398m).														
		375.00 380.00 Light grey section as a result of increase in matrix contact to 15%. Also some weak crackled brecciation due to 3% dark black serpentine filled microfractures.														
		381.20 381.30 Aqua green, aphanitic, serpentine vein or band 50 to ca.														
		384.00 385.80 Blocky core, rqd-0 intense fracturing.														
		386.00 392.30 Alteration: weak to moderate pervasive serpentinization (imparting a green tinge to section).														
		389.00 389.20 Random olivine spinifex patch.														
		389.20 392.30 Crackle brecciated.														
		394.00 395.00 Same as 384-385.8m.														
		412.50 413.00 Blocky core rqd-0.														
		413.00 419.50 Moderately intense (10%) white carbonate filled micro fracturing (1-2mm) anastomosing.														
419.50	423.50	KOMATIITIC PERIDOTITE SHEARED														
		Grey, very fine grained, well foliated- sheared, carbonatized mesocumulate peridotite. Nil sulphides. Alteration: weak to moderate pervasive carbonatization imparting grey coloration to section. Structure: rqd-95, shearing to 60 ca. 3% fine white streaks likely the shearing of the white carbonate veinlets to stringers. Lower contact sharp 50 to ca.														
423.50	424.80	KOMATIITIC PERIDOTITE GRAPHITIC														
		Black, very fine grained, very weakly foliated to massive biotitic and graphitic peridotite. Nil sulphides. Trace to minor calcite alteration. Structure: rqd-90 minor slippage along foliation. Lower contact sharp 80 to ca.														
424.80	430.10	KOMATIITIC PERIDOTITE SHEARED														
		Same as 419.5-423.5m. Nil sulphides. Structure: moderate shearing 70 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(%) %
		rqd-90.															
		Lower contact sharp 75 to ca.															
430.10	432.10	FELDSPAR PORPHYRY															
		Light brown, hard massive, homogeneous feldspar porphyry. It consists of 20% white medium (5-10mm size) feldspar phenocrysts within a very fine grained light brown felsic matrix. Nil sulphides. Rqd-95. Lower contact sharp 90 to core axis, very jagged.															
432.10	439.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to white, very fine grained, very soft, highly carbonatized, non-magnetic mesocumulate peridotite. The section is intensely (20-25%) carbonate vein/fracture flooded. Structure: moderate fracturing some at low angles to core axis causing poorly rqd-50. Local shearing. Lower contact 40 to ca.															
439.90	441.20	FELDSPAR PORPHYRY															
		Same as 430.1-432.1m. Minor dark green chlorite filled microfractured rqd-70. Local white irregular quartz veining.															
441.20	442.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 432.1-439.9m. Lower contact sharp 70 to ca.															
442.80	443.75	FELDSPAR PORPHYRY															
		Same as 430.1-432.1m. Very minor dark green to black chlorite coated fractures. Rqd-80. Lower contact sharp 40 to ca.															
443.75	449.00	KOMATIITIC PERIDOTITE SHEARED															
		Same as 419.5-423.5m. Nil sulphides. Alteration: moderate pervasive carbonatization. Structure: rqd-90, shearing locally strong 40 to core axis at 444m, 50 to core axis at 446m and 60 to core axis at 447.5m. 3-5% White fine carbonate streaks (veinlets sheared parallel to shearing) and irregular veins.															
449.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349290.00
Easting:	497664.70
Elevation:	294.52
Collar Azi.:	321.3
Collar Dip:	-45.4
Hole length:	446.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS.
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	October 4-15,2007
Purpose:	N/A
Core storage:	HASTINGS Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
32	323.8	-44.5
83	326.1	-45.0
134	327.7	-44.5
185	329.8	-44.6
236	329.7	-45.2
287	333.3	-45.4
338	335.6	-45.6
389	337.2	-45.5
446	337.6	-45.5

Drill Hole:	GCL7-31
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	0+75S
Easting:	0+50E
GPS Northing:	5349290.34
GPS Easting:	497664.68
Date Started:	October 3,2007
Date completed:	October 11,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	16.70	OVERBURDEN 16.7m Of nw casing.															
16.70	30.40	KOMATIITIC PERIDOTITE MESOCUMULATE Komatiitic peridotite mesocumulate. Purple grey to grey, fine grained massive, homogeneous, hard, non magnetic, altered. Pervasive moderate carbonate (ankerite) alteration. Minor fracturing at 30, 50 and 70 degrees to core axis with mostly carbonate fracture filling and some secondary serpentine. Good RQD of 85% with minor broken core in the first 2-3m of unit. 3% Milky white-white carbonate stringers at 10-30 degrees to core axis with a few quartz-carbonate veinlets at 30-40 tca. No visible sulphide mineralization. 23.10 23.60 Random grey-white and green altered platy olivine spinifex, 2-3cm sized. Gradual lower contact.															
30.40	32.50	KOMATIITIC SPINIFEX PERIDOTITE Komatiitic spinifex peridotite (mesocumulate). Purple grey to grey, fine grained massive, homogeneous, hard, non magnetic, 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(%) %
		Pervasive moderate carbonate (ankerite) alteration. Green, white-grey randomly oriented platy olivine spinifex, 1-4cm sized. 35% of spinifex altered grey-white by carbonate alteration. 1% Milky white-white carbonate stringers at 40-60 tca. No visible sulphide mineralization. Gradual lower contact.															
32.50	33.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate. Same as 16.7-30.4m. 33.50 10cm broken faulted core. Sharp lower contact at 60 tca.															
33.70	151.00	GRANODIORITE															
		Granodiorite intrusive. Grey to darker grey, medium grained, massive, homogeneous, minor fracturing, altered sections and slightly porpheritic. No reaction to HCl in matrix with slight reaction along fractures, weakly chlorite altered with very minor pink-orange potassic patches-sections. 5-10% quartz, 10-15% plagioclase, 10% biotite/hornblende. 1-2% White quartz-feldspar phenocrysts, maybe 4%locally. Generally minor sections of broken core, 85% RQD. Fracturing at various angle 30, 40 and 50-60 degrees to core axis with around 1mm serpentine/chlorite and less than 1mm calcite fracture filling. Rare dull yellow-brown coarse specks of pyrite. 1% Hairlike calcite stringers throughout unit with a few local quartz-calcite veinlets at 70-80 tca. 71.00 1-2m of trace disseminated pyrite. 80.00 85.00 4-5m of tan-orange-pink potassic altered rock. 96.50 6.00 Inch clear-white quartz-calcite vein. 106.00 113.50 Same as 80-85m with 1-2m of strong silicification., nil sulphides. Sharp lower contact at 25 tca.															
151.00	153.90	INTERMEDIATE DYKE															
		Intermediate dyke (mafic). Dark grey-green, fine-medium grained, massive, homogeneous, very hard, non magnetic. No reaction to hcl. Minor fracturing at 30 and 60-70 degrees to core axis with 1-2mm dark green serpentine fracture filling.															

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% White hairlike calcite stringers at various angles.															
		Trace cubic pyrite.															
		Sharp lower contact at 25 tca.															
153.90	185.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite.															
		Grey to green, fine grained, hard, massive, homogeneous, non magnetic, weakly fractured, mesocumulate.															
		Well developed dark green olivine spinifex texture, generally random, platy with local chicken scratch.															
		Weakly serpentine-ankerite altered.															
		Good RQD of 85-90% with rare broken core.															
		Minor fracturing at 50 and 70 degrees to core axis with dark green serpentine fracture filling.															
		0.5% White calcite stringers at various angles, generally 50 degrees to core axis, secondary to spinifex.															
		Trace brown-yellow pyrite localized around graphitic section.															
		157.40 158.70 Graphitic blotches/blobs scattered throughout matrix, some angular and rounded, increasing intensity with depth, silver/black graphitic fractures, trace pyrite.															
		Gradual lower contact.															
185.10	196.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark black with minor greyish sections, fine grained, massive, homogeneous, hard, non magnetic.															
		Weakly serpentine-ankerite altered.															
		Excellent RQD of 95%.															
		Fracturing at 50-60 degrees to core axis with calcite-carbonate and serpentine fracture filling.															
		1% White calcite and dark green serpentine stringers at various angles, from 40-60 tca.															
		0.5%-1% Pyrrhotite blotches and disseminations localized around stringers/fractures.															
		Gradual lower contact.															
196.90	201.60	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite (mesocumulate).															
		Greyish green, fine grained, massive, fractured, hard, non magnetic, altered.															
		Weakly serpentine-ankerite altered.															
		Well developed dark green olivine spinifex texture, generally random, platy with local chicken scratch.															
		Minor fracturing at various angle, serpentine filled															
		0.5%calcite Stringers at various angles.															

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(%) %
		No visible sulphide mineralization.															
		Gradual lower contact.															
201.60	229.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate.															
		Grey-green-black, fine grained, massive,															
		homogeneous, hard, non magnetic, altered.															
		Weakly serpentine-ankerite altered.															
		Good RQD of 90% with minor broken core.															
		Minor fracturing at 30-40 and 60 degrees to core															
		axis with dark green serpentine filled fractures.															
		Minor faint grey irregular serpentine-carbonate															
		stringers.															
		Nil to trace po.															
		221.00 Unit grades into more grey-black,															
		slightly graphitic, fractured broken															
		core, 60% RQD, silver-black graphitic															
		fractures, 0.5% brassy-brown															
		pyrrhotite on fractures.															
		Lower contact is roughly at 229m, gradual lower															
		contact in fractured/broken core.															
229.00	248.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite.															
		Dark black to grey, fine grained, massive hard, non															
		magnetic, fractured, locally altered, mostly															
		adcumulate with some mesocumulate.															
		Patchy dark green, random, platy olivine spinifex,															
		some altered greyish.															
		Weakly serpentine-ankerite altered.															
		RQD of 90% with broken core mostly in the first															
		6-7m of unit, locally 75-80% rqd.															
		Fracturing at various angles from 30-60 degrees to															
		core axis but generally 50-60 degrees to core axis															
		with serpentine fracture filling.															
		229.00 237.70 Greyish-black, mesocumulate, patchy															
		adcumulate, fractured section, a few															
		hairlike calcite-serpentine															
		stringers, same as previous unit															
		0.5-1% pyrrhotite on fractures.															
		237.70 Unit grades into more typical dark															
		black adcumulate with 5-10%															
		serpentine filled vesicles, trace															
		pyrrhotite on fractures and 0.5-1%															
		disseminated pyrrhotite.															
		Gradual lower contact.															
248.40	262.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate (vesicles).															
		Typical dark black grey vesicular adcumulate, fine															
		grained, hard, non magnetic, locally altered 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(%) %
		massive.															
		Weakly serpentine altered.															
		8-10% Dark green, sub rounded, 2-8mm serpentine															
		filled vesicles.															
		Excellent RQD of 95%.															
		Minor fracturing at 60-70 degrees to core axis with															
		very minor serpentine-calcite fracture filling.															
		2-3% White calcite and some serpentine stringers at															
		various angles, but general orientation of 50-60															
		tca.															
		Sulphide mineralization consists of trace-2% po-pn															
		as fine disseminations throughout matrix with some															
		higher concentrations along stringers, fractures															
		and rimming vesicles, a very tiny patches of po-pn															
		were also observed.															
		Gradual lower contact.															
262.00	263.30	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite.															
		Dark grey to black, fine grained, massive, hard,															
		non magnetic.															
		Weakly serpentine altered.															
		Light grey to black, altered, randomly oriented, cm															
		sized, platy, olivine spinifex texture.															
		Nil to trace po.															
		Gradual lower contact.															
263.30	289.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate (massive).															
		Dark black-grey, fine grained, massive,															
		homogeneous, hard, on magnetic.															
		Weakly serpentine altered.															
		Minor fracturing at around 70 degrees to core axis															
		with calcite-serpentine fracture filling.															
		1-2% White, white-green, calcite and															
		calcite-serpentine stringers at 30-40 and 70 tca.															
		263.30 275.10 Trace-0.5% po-pn fine disseminations															
		and rare tiny patches and blebs.															
		275.10 281.60 3-4% yellow-brown po-pn blebs and															
		patches up to 3cm with a general															
		association with stringers and															
		fractures but scattered randomly in															
		matrix, local disseminations and															
		po-pn stringers at 275.3m.															
		281.60 287.00 Nil to 0.5% po-pn disseminations with															
		a few scattered mm sized blebs, weak															
		to moderate greyish-green															
		ankerite-serpentine alteration.															
		287.00 289.10 Broken core, 0-15% RQD locally,															
		evidence of both weathering and minor															
		faulting, rare disseminations 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(%) %
		tiny mm sized blebs visible in matrix with 0.5% brown-yellow po-pn on fractures.															
		Gradual lower contact.															
289.10	305.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate (vesicles).															
		Dark grey to black, not typical vesicular unit, fine grained, altered, fractured, non magnetic, hard															
		Weakly serpentine altered with more moderate greyish-green serpentine-ankerite altered sections.															
		Good RQD of 85% with minor broken core and serpentine filled fractures.															
		Nil to 0.5% po-pn disseminations with a few scattered mm sized blebs.															
		1-2% White to milky white calcite and serpentine stringers at 60-70 tca.															
		10% Mm-cm sized dark green serpentine filled vesicles, locally clustered with more pistachio green cm sized vesicles.															
		Gradual lower contact.															
305.00	309.70	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite.															
		Dark black-green, fine grained, massive, homogeneous, hard, non magnetic.															
		Good RQD of 90% with minor serpentine-calcite filled fractures.															
		Dark green-grey olivine spinifex grading from mm sized chicken scratch to platy mm-cm sized.															
		0.5% Irregular white calcite-serpentine stringers.															
		Trace-0.5% po-pn fine disseminations and rare tiny patches and blebs.															
		Gradual lower contact.															
309.70	313.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate (massive).															
		Dark black-green, fine grained, massive, homogeneous, hard, non magnetic, weakly vesicular, altered.															
		Weakly serpentine altered.															
		Excellent RQD of 95%.															
		Minor 65-70 degrees to core axis calcite and serpentine filled fractures.															
		0.5% White calcite-serpentine stringers at 50 tca.															
		3-5% Mm-cm sized, rounded dark green serpentine filled vesicles.															
		Sharp lower contact at 60 tca.															
313.30	318.20	INTERMEDIATE DYKE															
		Intermediate dyke.															

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(%) %
		Grey-brown, fine to medium grained, massive, homogeneous, very hard, non magnetic. Composed mostly of varying amounts of quartz, calcite, feldspars and hornblende. Pervasive moderate calcite alteration. Good RQD of 80%with minor broken core. 1% 60 Degrees to core axis white calcite stringers. Nil sulphides. 315.80 317.40 Pale green-grey, massive, pervasively serpentine-ankerite altered, sharp contacts at 50 tca. Slightly undulating lower contact at 45-50 tca.															
318.20	335.40	KOMATIITIC PERID0TITE ADCUMULATE Komatiitic peridotite adcumulate (massive). Dark black-grey, fine grained, massive, homogeneous, hard, non magnetic. Weakly serpentine altered with a greyish patches ankerite. Excellent RQD of 95%. Minor fracturing at 70 degrees to core axis with very thin serpentine-calcite fracture filling. 1% Calcite stringers at various angles between 30 and 50 tca. 0.5-1% Disseminated po-pn. 321.00 323.00 A few very minor patches of platy olivine spinifex. Lower contact at 40 tca.															
335.40	339.30	KOMATIITIC PERIDOTITE GRAPHITIC Komatiitic peridotite graphitic pepperite (dyke ?). Brown-green, fine to medium grained, massive, homogenous, hard, non magnetic. Patchy very weak calcite with a weak pervasive pistachio green serpentine alteration starting around 327.1m. 8-10% Biotite flecks in matrix. Excellent RQD of 95%. Minor fracturing at 50-60 degrees to core axis with 1-3mm calcite fracture filling. No visible sulphide mineralization. Lower contact at 50 tca.															
339.30	386.90	KOMATIITIC PERID0TITE ADCUMULATE Komatiitic peridotite adcumulate (massive). Dark black, fine grained, massive, homogeneous, hard, non magnetic, altered, fractured. Patchy pervasive pistachio green serpentine alteration. Good RQD of 85-90% with a few minor sections of broken core.															

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(%) %
		Minor fracturing at 50-60 degrees to core axis with localized fractures at 0-10 degrees to core axis, fracture filling consists serpentine and calcite.															
		339.30 343.00 Trace-1% disseminated po-pn with a few rare 2-3mm blebs.															
		343.00 344.60 4-5% yellow to brassy brown po-pn disseminations and somewhat ripped up po-pn blebs/patches up to 4-5cm.															
		344.60 360.60 Trace-2% finely disseminated po-pn.															
		360.60 386.90 Nil to trace very finely disseminated po-pn.															
		385.60 386.90 Black-grey, mesocumulate, weakly carbonate altered.															
		Gradual lower contact.															
386.90	390.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite.															
		Pale green-grey, massive, pervasively serpentine-ankerite altered.															
		Dark green randomly oriented platy-blades of olivine spinifex texture throughout.															
		0.5% White serpentine-calcite stringers, low angle, irregular.															
		Nil to 0.5% po-pn.															
		Gradual lower contact.															
390.40	432.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate (massive).															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic, altered, fractured.															
		Patchy very weak pervasive pistachio green serpentine alteration.															
		Good RQD of 85-90% with a few minor sections of broken core.															
		Minor fracturing at 70 degrees to core axis with very thin serpentine-calcite fracture filling.															
		1-3% White calcite and serpentine with a few dark green serpentine stringers at various angles but generally 50 tca.															
		390.40 398.00 Nil to trace finely disseminated po-pn.															
		390.40 392.50 Weakly carbonate altered, mesocumulate-adcumulate.															
		398.00 407.80 Trace-2% finely disseminated po-pn.															
		407.80 411.80 Dark black adcumulate with 2-5% po-pn disseminations and blebs/patches from 2mm-4cm in sized, sub rounded.															
		411.80 417.10 Dark black-grey, mesocumulate-adcumulate, 3-5% scattered brassy brown-yellow po-pn blebs and patches with 7-8% po-pn															

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(%) %
		patches/blebs with up to 10cm around 414.9m.															
		417.10 432.40 Same as 398-407.8m.															
		429.50 432.40 Dark grey black, massive more mesocumulate section with weak pistachio green serpentine alteration.															
		Lower contact at 55 tca.															
432.40	434.00	GRAPHITIC ARGILLITE															
		Graphitic argillite. (15% mesocumulate peridotite.). Dark black-grey, fine grained, massive, altered, foliated, hard, non magnetic, moderately conductive. Pervasive calcite alteration with a weak to moderate graphite alteration. Very weak foliation at 50-60 degrees to core axis. Good RQD of 85% with minor fracturing at 50-60 degrees to core axis with thin grey-silver graphitic fractures. 0.5% Grey to milky white hairlike stringers parallel to foliation. 1-3% Oval blebs/patches of brassy brown-yellow po-pn with local yellow chalcopyrite along stringer at 433.9m. Lower contact at 50 tca.															
434.00	436.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite. Dark grey-black, massive, fine grained, hard, non magnetic, non conductive, mesocumulate with some adcumulate. Weakly serpentine and carbonate altered. Good RQD of 85% with minor fracturing at 60 degrees to core axis, 1-3mm carbonate-serpentine fracture filling. Dark green olivine spinifex texture, low angle to randomly oriented, platy, cm sized. 0.5%to 2% Finely disseminated po-pn. Gradual lower contact.															
436.10	446.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate (mesocumulate sections.). Dark, black, very fine to fine grained, massive, homogeneous, hard, non magnetic, fractured. Alteration consists of patchy pervasive pistachio green serpentine alteration. Good RQD of 80% with minor broken core. Fracturing at 50-60 degrees to core axis with calcite-carbonate and serpentine fracture filling. 1-2% White and green-white carbonate-serpentine stringers at various angles but generally 40 and 50															

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(%) %
		tca.															
		Nil to 1% very finely disseminated po-pn.															
		436.10 437.00 Dark grey-black, more mesocumulate, weakly carbonate-serpentine altered.															
446.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349326.00
Easting:	497451.00
Elevation:	294.99
Collar Azi.:	322.3
Collar Dip:	-45.8
Hole length:	384.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	GPS
DH Survey method:	Reflex
Comments:	AZ @377m changed from 346.5
Logged by:	K.Montgomery
Date(s) logged:	Oct. 2, 2007
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
20	324.1	-45.8
71	324.3	-45.7
122	326.8	-47.1
173	328.3	-47.5
224	329.6	-47.7
275	331.9	-47.9
326	334.4	-47.2
377	336.5	-46.4

Drill Hole:	GCL7-30
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	80N
Easting:	100W
GPS Northing:	5349325.41
GPS Easting:	497451.05
Date Started:	Oct. 1,2007
Date completed:	Oct.5,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	9.00	OVERBURDEN															
		9.00 Metre of nw casing.															
9.00	33.90	MAFIC INTRUSIVE															
		Reddish brown, coarse grained, soft, massive, non-magnetic, mafic intrusive. It is coarse grained down to 28 metre then fine grained homogenous. The coarse grained section consists of 10-40% black to brown coarse amphibole laths to grains in a pale green pyroxene and lesser white feldspar fine grained matrix. The coarse grained section has two sub sections with 15-20% coarse flakes of biotite to 17.35-20.6 and 24-27.7 m. The fine grained section consists of 35-40% black amphibole needles randomly oriented in a white calcite-quartz (10%) matrix. Alteration: moderate to strong pervasive calcite. Structure: weak fracturing RQD 90. Lower contact sharp 40 to core axis with 10 cm gouge zone.															
33.90	74.20	GRANODIORITE															
		Grey, very fine grained, weakly porphyritic hard massive, homogenous non-magnetic granodiorite															

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(%) %
		(similar to the other holes).															
		Trace green chloritic amphibole fragments. It is cut by very minor (<1%) clear quartz fine veinlets (1-3 mm) throughout.															
		Mineralization: local sections of fine grained brassy pyrite disseminations.															
		Structure: weak fracturing RQD 85-90.															
		70.20 71.00 Dark green aphanitic hard homogenous silicified mafic dyke or an intermediate dyke with sharp contacts 65 to ca.															
		72.80 74.20 Blocky core due to strong fracturing.															
74.20	75.60	GRAPHITE ZONE															
		Black, very fine grained, graphite zone. Friable rqd-50 and rare white calcite tension gashes.															
75.60	177.80	GRANODIORITE															
		Same as 33.9-74.2 m.															
		75.60 76.80 Blackish green, very fine grained, soft, non-magnetic, graphitic pyroxenite section. It consists of 30-35% graphite fine specks and fracture fillings.															
		In a pale green homogeneous soft pyroxene mass. Section contains 1% brines 1% brassy fg-vfg pyrite disseminations.															
		76.80 77.80 Pale green soft, vfg-fg, crackle brecciated pyroxenite intrusive. The crackle brecciation is caused by 10% anastomosing black graphite microfractures.															
		Also minor calcite patches and microfractures.															
		77.80 79.50 Mixed section of pale green pyroxenite and granodiorite but hard to tell due to blocky core.															
		79.00 83.50 Blocky core due to strong fracturing. Rqd-10.															
		84.20 85.90 Pink moderate pervasive potassic alteration.															
		104.00 104.33 White calcite filled tensional fractures.															
		110.70 116.00 Same as above.															
		148.30 160.00 Very fine grained section, weakly porphyritic.															
		166.50 177.85 Very fine grained weakly porphyritic section chill margin of the intrusive ?.															
		Lower contact very sharp and jagged, 35 to ca.															
177.80	190.20	KOMATIITIC PERIDOTITE MESOCUMULATE															

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, white speckled, non-magnetic, massive, very fine grained homogeneous mesocumulate (50-60% black very fine olivine in white matrix). It is cut by faint white carbonate (+quartz) filled fractures producing crackle brecciation. Structure: competent rqd-95. Alteration: weak to moderate pervasive carbonate matrix. 178.90 179.05 Graphite filled fault gouge seam. 184.60 187.00 Green, very fine grained, soft, biotitic (20-25%), mafic dyke (very fine grained green chlorite matrix). Nil sulphides. Upper contact 30 to ca. The lower contact runs parallel to the core axis from 185.5-187m. 188.60 189.30 Mafic dyke same as 184.6-187m, nil sulphides. Sharp contacts 10 to ca. 189.30 190.20 KOMATIITIC PERIDOTITE MESOCUMULATE, nil sulphides. Lower contact sharp 65 to ca.														
190.20	191.30	GRAPHITIC ARGILLITE Black, very fine grained, weakly foliated to massive, graphitic argillite. Nil sulphides. Structure: friable rqd-20. Lower contact gradational.														
191.30	195.70	KOMATIITIC PERIDOTITE BRECCIA Pale greenish grey, very fine grained, soft, non-magnetic, crackle brecciated, serpentinized mesocumulate (70% serpentine (relic olivine?) cumulate grains). The crackle brecciation is a result of 3-5% black graphite filled microfractures to fractures. Locally some black graphite blobs. The upper particularly 191.30-192.3m displays weak olivine spinifex in some blocks. Nil sulphides. Rqd-70. Lower contact gradational.														
195.70	206.00	KOMATIITIC PERID0TITE ADCUMULATE Black, vfg-fg, adcumulate peridotite it is cut by very minor (<1%) white carbonate (85-90%olivine cumulate) filled microfractures. Structure: competent rqd-95. The upper particularly down to 198.5m more mesocumulate with olivine cumulate grain content 80%. Lower contact gradational.														
206.00	212.00	KOMATIITIC PERIDOTITE MESOCUMULATE														

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(%) %
		Same as 177.8-190.2m but 65-75% olivine content and not crackle brecciated but massive homogeneous. Min: trace to 0.5% very fine grained pyrrhotite, finely disseminated. It is cut by very minor (<1%) white carbonate microfractures. Lower contact marked by onset of brecciation.															
212.00	213.60	KOMATIITIC PERIDOTITE BRECCIA															
		Same as 191.3-195.7m, but fracturing filled with dark green serpentine or white calcite. Rqd-60. Min: 1% very fine grained brown pyrrhotite disseminations throughout. Lower contact is marked by disappearance of brecciation.															
213.60	219.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 195.7-206m. Nil sulphides.3% white irregular carbonate veinlets (3-5mm). Structure: moderate fracturing rqd-70. 213.60 214.40 Alteration: moderate to strong pervasive serpentinization producing green tinge to section. 214.40 215.00 Alteration: blotchy moderate pervasive serpentinization. Lower contact gradational.															
219.70	222.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Pale green, vfg-aphanitic, serpentinized mesocumulate peridotite. Weakly foliated beginning at 220.1m. Foliation 40 to ca. Possibly small spinifex section at the top 219.7-219.9m. 221.00 221.10 Blocky core, rqd-15. Strong fracturing and 0.2m of core lost. Graphite gouge seam at 221.9m. Lower contact sharp 35 to ca.															
222.10	270.00	GRANODIORITE															
		Grey, porphyritic, massive, homogeneous, granodiorite intrusive. Similar composition to 33.9- 177.8m but more feldspar porphyritic (20-25% white feldspar phenocrysts (5-10mm)). Structure: weak to moderate fracturing, often with green chlorite coatings. Rqd- 75-80. 227.20 228.00 Alteration: bleached altered matrix section. 231.90 232.65 KOMATIITIC PERIDOTITE MESOCUMULATE selvage, upper contact indiscernible. Lower contact 40 to ca. 235.10 249.00 Non- porphyritic to weakly															

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(%) %
		porphyritic (5%) section.															
		264.30 265.00 Vfg- aphanitic grey quartz vein. Upper contact 20 to ca. And lower contact 40 to ca. Non- porphyritic very fine grained section chilled lower margin.															
		Lower contact sharp 45 to ca.															
270.00	278.05	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Greenish grey, vfg-fg, soft, carbonatized, mesocumulate peridotite. Nil sulphides. Structure: weakly fractured, rqd-80. The mesocumulate contains two blocks of brownish black very fine grained non-magnetic biotitic mesocumulate peridotite. Alteration: moderate pervasive carbonatization and weak pervasive serpentinization at 276.4-276.6m and 276.8-277.1m. Lower contact sharp 65 to ca.															
278.05	281.05	GRANODIORITE															
		Same as 222.1-270m. Lower contact 50 to ca.															
281.05	287.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 177.8-190.2m but biotitic (10%). Structure: very competent RQD 95-100. No veining or sulphides. Alteration: moderate to intense pervasive calcite. Lower contact gradational.															
287.00	300.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 270-278.05m. Structure: moderate to weak fracturing rqd-70.below 293m 1-2% white carbonate fine veinlets to fractures (2-5mm wide).															
		289.80 290.10 Foliated section, 45 to ca.															
		290.38 290.42 White very fine grained calcite patch.															
		290.10 291.00 Weak crackle brecciation due to microfractures.															
		299.00 299.50 Graphite argillite zone very blocky core rqd-0, contacts sharp but orientation indiscernible.															
		Lower contact sharp 50 to ca.															
300.70	304.20	GRAPHITIC ARGILLITE															
		Black very fine grained soft graphitic argillite. Nil sulphides. Structure: intense fracturing causing very blocky core. RQD overall 20. Very minor white calcite filled microfractures.															

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 sharp possibly 45 to ca.															
304.20	311.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey, very fine grained, massive, homogenous, graphitic mesocumulate peridotite. It consists of 60% very fine black olivine cumulate grains within a grey very fine matrix. Graphitic (10%). Structure: overall rqd-50, blocky core, sections of rqd-0 at 305.55- 306.4, 307.2- 307.4 m.															
		309.80 310.30 Pepperite section- 30-40 % black very fine grained aphanitic graphite angular fragments (1 x 3 cm) in the mesocumulate peridotite.															
		310.60 311.10 Same as 300.7 - 304.2m nil sulphides upper contact 70 to ca.															
311.90	315.00	GRAPHITIC ARGILLITE															
		Same as 300.7 - 304.2m. Structure: competent for a graphitic argillite rqd-85. Lower contact gradational.															
315.00	318.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 270-278.05 m. Nil sulphides. Structure: weak fracturing rqd-90. Lower contact gradational.															
318.60	331.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Grey, very fine grained, massive, homogenous, carbonatized adcumulate peridotite (90-95 % grey carbonate altered olivine cumulate grains tightly packed). Alteration: moderate pervasive carbonatization. Structure to weak fracturing rqd-85.															
		325.00 331.00 Very minor yellow brown ankerite filled tension gashes scattered throughout section.															
		Lower contact sharp 15 to ca.															
331.90	333.50	GRAPHITIC ARGILLITE															
		Black, very fine grained, friable graphite argillite with wavy foliation parallel to core axis. Lower section (332.75- 333.5m) contains 15% white calcite wispy stringers. Lower contact sharp 20 to ca.															
333.50	338.50	INTERMEDIATE DYKE															
		Light grey, very fine grained, hard, massive, homogeneous, felsic to intermediate dyke. Nil sulphides. Structure: weak fracturing at lower angles to core															

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 and black chlorite coated. Rqd-60. Blocky core rqd-0 from 336.3- 337.4m. Blocky core rqd-0 from 336.3 to 337.4 m. Two black graphite argillite sections at 335.7-336.4 and 336.8-337.4m. Lower contact sharp 60 to ca.															
338.50	344.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 318.6- 331.9m. Nil sulphides. It is cut by 1-2% white to grey carbonate stringers/fractures randomly oriented. Structure: weak to moderate fractures rqd-70. Lower contact gradational. 343.90 344.50 Black graphite fractures.															
344.50	346.30	GRAPHITIC ARGILLITE															
		Same as 300.7 - 304.2m nil sulphides. Structure: intense fracturing causing very blocky core, rqd-0. This unit caused squeezing on the drill rods and ultimately forced the termination of the hole. Lower contact sharp 70 to ca.															
346.30	349.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Blackish grey, same as 318.6- 331.9m, graphitic (10%) mostly black graphite coated fractures. Structure: strong fracturing poorly rqd-30. Lower contact gradational.															
349.30	355.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Light grey, very fine grained, soft, strongly carbonatized mesocumulate peridotite (70% carbonatized olivine cumulate in a white aphanitic carbonatized matrix.). Structure: moderate fracturing rqd- 50-60. Lower contact gradational.															
355.10	368.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey, same as 318.6- 331.9 m. Nil sulphides. The upper particularly contains black graphite filled fractures. Structure: moderate fracturing rqd-50 to 60 overall with blocky core sections at 359.8-360.7m and 363.3- 363.5 m. 358.80 359.40 Graphitic argillite with fine calcite filled microfractures. 361.20 368.15 Light grey alteration: moderate pervasive carbonatization. 364.70 368.15 Alteration: weak to moderate pervasive serpentinization. Lower contact sharp 35 to ca.															

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(%) %
368.20	381.00	MAFIC INTRUSIVE															
		Grey, very fine grained, non- magnetic, very homogenous and massive: felt textured mafic intrusive?.															
		It is comprised of 40% black very fine amphibole laths interlocked with 60% white quartz-feldspar phenocrysts, very minor biotite.															
		Alteration: moderate pervasive calcite.															
		Structure: massive, weak fracturing rqd- 90 chlorite coating fractures.															
		Min: trace fine grained disseminated pyrite.															
		368.20 368.35 Weakly foliated upper margin, foliation 30 to ca.															
		Lower contact sharp 60 to ca.															
381.00	381.70	GRAPHITIC ARGILLITE															
		Same as 300.7- 304.2m. Blocky core rqd- 20.															
		Lower contact sharp but orientation indiscernible.															
381.70	384.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 355.1- 368.2 metre nil sulphides.															
		Strongly carbonatized and fractured rqd-15.															
384.00		END OF HOLE															

Date: 4 Dec, 2008 GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349334.00
Easting:	497633.00
Elevation:	294.68
Collar Azi.:	326.0
Collar Dip:	-45.1
Hole length:	399.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	Kevin Montgomery, George Sparling
Date(s) logged:	Sept.27- Oct.3,2007
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
30	325.6	-45.0
81	327.3	-45.9
132	327.5	-46.2
183	328.4	-46.7
234	330.2	-46.8
285	332.5	-47.5
336	337.3	-47.5
399	334.9	-48.3

Drill Hole:	GCL7-29
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	25S
Easting:	50E
GPS Northing:	5349333.62
GPS Easting:	497633.05
Date Started:	Sept.25,2007
Date completed:	October 2,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	18.00	OVERBURDEN															
		18m Of nw casing.															
18.00	61.70	GRANODIORITE															
		Dark pinkish grey, fine grained, feldspar porpheritic.															
		Structure: moderate fracturing throughout RQD 70%.															
		Mineralization: locally trace-0.5% fine grained brassy pyrite disseminations.															
		Local white very fine grained, small quartz veins (less than 5cm wide).															
		18.00 19.00 Alteration: weak to moderate epidotization (surface alteration).															
		38.60 38.85 Quartz vein flooding with chlorite filled fractures.															
		38.85 39.40 Pink to pinkish red moderately pervasive potassic alteration. Apple green carbonate filled micro fractures to fractures.															
		45.05 45.20 Quartz vein, upper contact 90 degrees to core axis and lower contact 40 tca. Contact wall rocks weakly potassic altered.															
		48.50 48.65 Same 38.6-38.85m.															
		Lower contact of unit 45 tca.															

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(%) %
61.70	93.90	KOMATIITIC PERIDOTITE BRECCIA															
		Grey, very fine grained, crackled brecciated, non magnetic, mesocumulate.															
		Crackled breccia as a result of fine black graphitic micro fractures throughout at variable intensity.															
		Structure: moderate to strong fracturing to 80m (rqd 60%), then weak to moderate fracturing (rqd 75%).															
		Alteration: moderate pervasive serpentinization.															
		Mineralization: local very fine grained to fine grained brassy pyrite stringers.															
		61.70 68.30 Nil sulphides.															
		68.30 68.70 40% black aphanitic graphite filled fractures (up to 3cm wide).															
		69.45 69.70 Same as above.															
		70.35 70.70 Black very fine grained graphite zone.															
		72.20 72.60 30% black aphanitic graphite fractures.															
		72.60 73.20 85% black aphanitic graphite with slivers of grey mesocumulate peridotite.															
		73.60 74.80 85% black aphanitic graphite, weakly brecciated, fractured, 65% rqd.															
		75.90 77.40 Weakly to moderately brecciated with 30-40% graphitic healed breccia, 70% RQD, locally fractured.															
		68.70 75.70 Trace-0.5% po/py stringers/disseminations with trace chalcopyrite on stringer at 73m.															
		81.30 -56.00 inch chicken scratch spinifex section.															
		81.00 93.90 Weakly graphite altered and graphite healed breccia throughout section with 0.5% pyrrhotite on fractures, trace-0.5% po/py as stringers and trace-1.5% disseminated po-py associated with tiny micro fractures/brecciation.															
		Gradual lower contact.															
93.90	131.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Grey to grey-black, fine grained, altered, brecciated, fractured, hard, non magnetic.															
		Very weak serpentine and ankerite altered.															
		Dark grey, black and green olivine spinifex, ranging from platy, stubby and blades of spinifex, patchy with varying intensity.															
		RQD of 80-85% with localized broken core.															
		Scattered weak brecciation, which directly relates to intensity of spinifex texture.															
		Fracturing at 70 degrees to core axis with generally dark green thin serpentine fracture															

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(%) %
		filling, occasional dark black graphite on fractures.															
		Trace-0.5% pyrrhotite (randomly check sampled).															
		Trace-0.5% white grey serpentine stringers.															
		97.90 98.30 85% dark black fine grained graphitic argillite, weakly brecciated and fractured.															
		103.00 105.00 Broken core, 0-15% RQD, scattered graphitic fractures, locally faulted with minor fault gouge, possible mechanical origin.															
		105.50 126.50 Grey to darker grey-green, massive section with rare mm sized poorly developed spinifex texture.															
		126.60 131.50 Pale green-green matrix with randomly distributed blades cm sized of olivine spinifex texture.															
		Gradual lower contact.															
131.50	193.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Pale grey to grey, fine grained, massive, homogeneous, hard, non magnetic, fractured, weakly amygdaloidal.															
		Weakly serpentine and ankerite altered.															
		Overall RQD of 70-75% with several fracture zones.															
		Fracturing at low angle 30-40 degrees to core axis with generally minor serpentine and calcite fracture filling.															
		5-10% At very best dark green to black serpentine filled amygdules, 2-5mm sized on average.															
		2-3% Dark black sub rounded to sub angular graphitic spheres in matrix localized around graphitic slivers.															
		Nil to trace pyrrhotite with minor elevated pyrrhotite mineralization.															
		1-2% White-grey calcite-serpentine stringers at generally low angles.															
		147.70 153.00 Fracture zone, 50-60% RQD, mostly serpentine fracture filling with a few graphitic slivers, localized 0.5% brassy brown to red brown pyrrhotite along fractures.															
		158.20 7cm low angle black graphitic sliver.															
		158.60 160.50 70% low angle (0-30 tca) graphitic argillite slivers from 7cm up to 45cm, poorly RQD of 60%, low angle fracturing at 0-30 tca.															
		168.00 Serpentine amgdules pretty much disappear with a few scattered vesicle, unit becomes very massive with rare tiny blebs of 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(%) %
		and minor broken core.															
		Gradual lower contact.															
193.30	194.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Faint around 1mm wide blades of dark green-black															
		olivine at 40 degrees to core axis in a pale green															
		to grey, fine grained, massive.															
		Weakly serpentine and ankerite altered.															
		Trace disseminated po.															
		Gradual lower contact.															
194.10	221.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to black, fine grained, massive, massive,															
		hard, non magnetic, minor slips, brecciation and															
		fracturing.															
		Weakly serpentine altered.															
		RQD of 70-80% with several heavily fractured															
		sections of broken core.															
		Fracturing at various angles 30-40, 50 and 70															
		degrees to core axis with minor serpentine-calcite															
		fracture filling.															
		A few very minor weakly brecciated sections															
		cemented with serpentine and calcite.															
		3-4% White and greenish serpentine and calcite															
		stringers at various angles with a general															
		orientation of 50 tca.															
		194.10 218.70 Rare disseminated pyrrhotite on															
		fractures with trace-0.5%															
		disseminated pyrrhotite starting															
		around 210m.															
		205.70 207.00 Highly fractured section of broken															
		core, 0% RQD, low angle fracturing															
		with 2-4mm serpentine filling.															
		218.70 221.10 Mineralization: 3-4% brassy brown and															
		yellow brown po-pn blebs, rounded,															
		mm-3cm sized, localized clustered															
		sections of 8-10% brassy brown															
		disseminated po-pn with a few tiny															
		blebs at 220.2 and 220.9 (5-10cm															
		sections).															
		Gradual lower contact.															
221.10	222.05	SEMI-MASSIVE SULPHIDE ZONE															
		10-15% Disseminated po-pn for 40cm grading to															
		65-70% semi massive brassy brown very fine grained															
		pyrrhotite with yellow brown fine grained pn.															
		Section is cut by a few dark green low angle															
		serpentine stringers, a few brown-yellow carbonate															
		stringers.															
		Lower contact at 40 tca.															

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(%) %
222.05	222.35	MASSIVE SULPHIDE ZONE															
		Massive sulphide zone.															
		20cm Brassy brown massive po-pn with a few															
		yellow-brown pn wispy stringers.(80% pyrrhotite,															
		5-10% pn).															
		A few brown yellow with carbonate stringers.															
		222.20 Local vugs around brown-yellow pn															
		blotches.															
		222.25 8cm of possible net texture or maybe															
		stubby spinifex.															
		Abrupt lower contact at 50 degrees to core axis.															
222.35	222.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to dark grey black, fine grained, massive,															
		homogeneous, hard, non magnetic.															
		Weakly serpentine altered, very weak carbonate.															
		Excellent RQD of 95%.															
		Minor fracturing at 65-70 tca.															
		Trace-0.5% finely disseminated po-pn.															
		Several generations of white greenish calcite,															
		serpentine and calcite-carbonate stringers at															
		various angles.															
		Gradual lower contact.															
222.90	237.15	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale green-grey, fine grained, massive,															
		homogeneous, hard, non magnetic, altered.															
		Pervasive calcite alteration, weakly serpentine															
		altered.															
		Spinifex are very faint and altered grey-green same															
		as matrix, randomly oriented, mostly platy															
		spinifex, 1-8cm sized.															
		Trace po.															
		0.5% White-grey low angle calcite stringers.															
		Gradual lower contact.															
237.15	245.20	KOMATIITIC PERIDOTITE GRAPHITIC															
		Grey to dark grey brown, fine grained, massive,															
		homogeneous, hard, altered.															
		Patchy speckled white calcite alteration, weakly															
		graphitic-biotitic.															
		Good RQD of 85-90%.															
		Minor fracturing at 65-70 degrees to core axis with															
		serpentine fracture filling.															
		0.5% White calcite stringers at 50 degrees to core															
		axis.															
		No visible sulphide mineralization.															
		238.50 240.00 Altered pale grey, grey and black															
		KOMATIITIC PERIDOTITE MESOCUMULATE															
		with 40cm random platy spinifex and															
		sections of broken core.															

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 tca.															
245.20	250.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black and grey, fine grained, massive, homogeneous, hard, non magnetic, altered. Weakly serpentine and carbonate altered. Minor fracturing at 60 degrees to core axis with serpentine and carbonate fracture filling. 2% White and greenish calcite and serpentine stringers at various due to several generations, 30, 50 and 80 tca. No visible sulphide mineralization.															
		245.20 246.40 Pale grey-white and green moderate pervasive ankerite and lesser serpentine altered section.															
		Gradual lower contact.															
250.70	256.60	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey black unit similar to previous unit 245.2-250.7. Weakly carbonate-serpentine altered. Dark black slightly grey altered spinifex grade from mm-cm sized platy/chicken scratch olivine spinifex to larger cm sized blades at random orientation with depth. Trace very localized disseminated po. Gradual lower contact.															
256.60	272.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate with alternating adcumulate sections. Dark grey-black to black, fine grained, massive, homogeneous, hard, altered, fractured, faulted. Weakly serpentine and patchy lighter grey carbonate altered. Good RQD of 85%. Fracturing mostly at 50 degrees to core axis with minor serpentine and carbonate fracture filling. 3-5% Variable angled calcite and serpentine stringers at generally 65-70 tca. Nil to trace po.															
		267.80 A few 40-50 degrees to core axis slips with associated broken core.															
		271.50 271.70 Minor fault zone, 0% RQD, fractured, limited gouge.															
		271.70 272.50 Greyish-brown, fine-medium grained, slightly biotitic, highly calcite altered, KOMATIITIC PERIDOTITE GRAPHITIC or dyke, fairly distinguishable contacts at 50 tca.															
		Lower contact at 50 tca.															

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(%) %
272.50	276.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Grey to dark grey black, fine grained, massive,															
		homogeneous, hard, non magnetic, altered, mostly															
		mesocumulate with some adcumulate.															
		Alteration consists of mostly carbonate and some															
		serpentine.															
		Spinifex are generally dark green with some greyish															
		altered, random platy spinifex throughout.															
		Good RQD of 85% with minor fracturing.															
		A few 65-70 degrees to core axis calcite stringers.															
		Rare po.															
		Gradual lower contact.															
276.90	294.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate with rare altered															
		mesocumulate sections.															
		Dark black-greyish sections, fine grained, massive,															
		altered, non magnetic, hard, fractured.															
		Generally weakly serpentine altered with minor pale															
		grey-grey carbonate stringers.															
		2-3% White to white-pistachio green stringers and															
		rare veinlets of several generation but with a															
		general orientation of 60-70 tca.															
		Rare disseminated po.															
		284.85 285.60 Pale green-grey, minor randomly															
		oriented platy type olivine spinifex.															
		Gradual lower contact.															
294.20	314.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey and black, fine grained, massive,															
		homogeneous, hard, non magnetic, altered.															
		Weakly serpentine and carbonate altered.															
		Good RQD of 85-90%.															
		Fracturing at 30-40 and 50 degrees to core axis															
		with thin green serpentine fracture filling.															
		2% White-grey calcite and serpentine stringers at															
		various angles 30, 40, 50 and 70 tca.															
		Nil-1% disseminated pyrrhotite locally.															
		298.30 299.00 Poorly developed dark green-black															
		olivine spinifex texture.															
		307.00 Unit becomes more adcumulate (darker															
		black).															
		Gradual lower contact.															
314.60	317.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey to black, mesocumulate section with															
		generally poorly developed dark green olivine															
		spinifex texture (mm-cm sized, random, platy.															
		Scattered 0.5% po.															
		316.10 317.90 Slightly more altered, vesicular															

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(%) %
		section with very difficult to distinguish mm sized olivine spinifex.															
		Gradual lower contact.															
317.90	329.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic, altered.															
		Weakly serpentine and carbonate altered.															
		Excellent RQD of 95%.															
		Minor fracturing with serpentine-calcite fracture filling.															
		1-2% White calcite-serpentine stringers at various angle but generally 50-60 tca.															
		Nil to trace po.															
		Gradual lower contact.															
329.00	339.30	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey to grey and black, fine grained, altered, mesocumulate, hard, non magnetic.															
		Weak carbonate (greyish sections and serpentine (greenish) alterations.															
		A few cycles of dark green olivine spinifex ranging from mm-cm sized random platy spinifex to cm sized platy generally oriented spinifex. This sequence appears to repeat itself with patchy very faint spinifex, increasingly altered matrix sections to the end of unit.															
		Generally trace pyrrhotite with a few localized 0.5%-1% po.															
		Gradual lower contact.															
339.30	372.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey to dark black, fine grained, massive, hard, non magnetic, adcumulate to mesocumulate, altered.															
		Pervasive weak carbonate alteration with a weak serpentine alteration.															
		Excellent RQD of 95%.															
		Fracturing at 60-70 degrees to core axis with serpentine-carbonate fracture filling.															
		2-3% Generally hairlike white calcite and serpentine stringers at 65-75 tca.															
		Overall trace pyrrhotite with up to 0.5% finely disseminated pyrrhotite in dark black adcumulate sections.															
		351.00 355.00 Dark grey more mesocumulate massive section.															
		355.00 357.40 Pale grey-green, moderately altered ankerite-serpentine section, maybe orthocumulate.															
		367.80 368.20 Poorly developed dark green-black															

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 spinifex texture, mm-cm sized chicken scratch.															
		Gradual lower contact.															
372.10	379.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Grey to dark green and black, fine grained, massive, hard, on magnetic, adcumulate. Weakly serpentine altered with greyish carbonate alteration. Dark black olivine spinifex texture throughout as randomly oriented blades. Minor fracturing at 30 and 50 degrees to core axis with serpentine fracture filling. A few scattered variable angled hairlike calcite stringers. No visible sulphide mineralization. Gradual lower contact.															
379.00	399.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black to dark grey, fine grained, massive, homogeneous, hard, non magnetic, minor more mesocumulate sections. Weakly carbonate-serpentine altered. Good RQD of 80% with a few minor sections of broken core. Fracturing at 30and 50 degrees to core axis with dark green serpentine and white carbonate fracture filling. 1-3% White hairlike to 0.5cm calcite-serpentine stringers at generally 50 tca. No visible sulphide mineralization. 391.30 10cm of poorly developed platy cm sized olivine spinifex.															
399.00		End of hole.															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349401.00
Easting:	497394.40
Elevation:	298.41
Collar Azi.:	322.1
Collar Dip:	-44.2
Hole length:	401.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	K. Montgomery
Date(s) logged:	September 25 , 2007
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
14	323.5	-44.5
65	325.2	-45.4
116	327.3	-46.1
167	325.8	-46.2
218	328.2	-47.0
268	331.0	-47.3
320	332.2	-47.8
371	333.9	-48.0
401	334.8	-48.2

Drill Hole:	GCL7-28
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	1+79N
Easting:	1+00W
GPS Northing:	5349400.68
GPS Easting:	497394.40
Date Started:	September 24 , 2007
Date completed:	October 1 , 2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	3.00	OVERBURDEN															
3.00	29.00	KOMATIITIC PERIDOTITE MESOCUMULATE 3.00 Metre of nw casing. Blackish green, fine grained, massive, homogeneous, non-magnetic mesocumulate(75-80% black olivinegrains in a white very fine grained matrix). Mesocumulate cut by 1-2% white serpentine-carbonate stringers/veinlets. 3.00 8.90 10% dark green serpentine amygdules. 5.30 7.00 White carbonate-serpentine veinlet/fracture 0 to ca. Locally rare aqua green serpentine fine veinlets (2-3mm). 20.70 23.00 Breccia-it consists of sections of subrounded adcumulate periodite blocks within a mesocumulate peridotite matrix. Blocks comprise 80-90% of section but matrix supported. Min: 0.5% brassy pyrrhotite very fine disseminations. Below 25 metre, scattered brassy to brown po-pn diffuse blebs (0.5 to 1 cm size). 26.70 27.25 Breccia-dark green aphanitic adcumulate angular fragments to subrounded blocks in a pale green very 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(%) %
		aphanitic matrix grades down section to dark green serpentine filled fracturecrackle brecciated the mesocumulate.															
		Lower contact gradational.															
29.00	62.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Greenish black, very fine grained, non-magnetic, massive homogenous, adcumulate peridotite. 0.5% Very minor white carbonate veinlets and pale green serpentine veinlets/stringers. Structure: weak fracturing RQD 85.															
		45.40 57.50 12-15% dark green aphanitic serpentine amygdules throughout section. Trace to locally 0.5% po-pn disseminations.															
		Lower contact gradational.															
62.90	67.15	KOMATIITIC SPINIFEX PERIDOTITE															
		The section is subdivided as follows:.															
		62.90 64.70 Dark grey, vfg-aphanitic, homogeneous adcumulate peridotite flow top with 0.5% dark green aphanitic serpentine amygdules (up to 1cm diameter) and 0.5% serpentine filled microfractures.															
		64.70 66.50 Dark grey, random olivine spinifex komatiite. It is comprised of 5-10% black stubby olivine laths to needles in an aphanitic adcumulate.															
		66.50 67.15 Light grey, altered (carbonated serpentine) random olivine spinifex komatite.same as 64.7-66.5 but mesocumulate matrix.															
		Lower contact gradational.															
67.15	72.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Light green to light grey, very fine grained, massive, soft, non-magnetic mesocumulate. It is comprised of 70-75% grey to pale green altered olivine cumulate grains in a white matrix. Alteration: moderate pervasive serpentization and lesser weak pervasive carbonatization. Nil sulphides and carbonate veinlets. Structure: weak to moderate fractures rqd-70.															
		71.70 71.90 Pale green aphanitic serpentine -calcite patch with 10-15% angular periodite fragments and very irregular contacts.															
		72.05 72.20 Pale green foliated (40 to core axis) serpentine vein, 50 to ca.															
		Lower contact gradational.															

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(%) %
72.20	77.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 29-62.9m. Nil sulphides.															
		Structure: moderate fracturing rqd-70. Unit cut by															
		.0.5-1% white serpentine- calcite filled fractures.															
		73.20 74.15 Pale green very fine grained pervasive															
		serpentization.															
		Lower contact gradational.															
77.20	78.35	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 67.15-72.2m.															
		Lower contact gradational.															
78.35	85.20	KOMATIITIC SPINIFEX PERIDOTITE															
		78.35 79.20 Light green platy to random olivine															
		spinifex komatiite flow (10 % black															
		long olivine needles (3-5 cm long) in															
		a serpentinized mesocumulate periodite.															
		79.20 80.20 Serpentinized mesocumulate periodite.															
		80.20 80.8? blocky core rqd-0.															
		80.20 83.70 Same as 78.35-79.2m. Higher															
		concentration of olivine needles (15%)															
		and becomes less serpentinized downhole.															
		83.70 85.20 Same as 79, 2-80.2m, weak serpentine															
		filled microfractures. Transition into															
		adcumulate.															
85.20	127.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 29-62.9m. With moderate pervasive															
		serpentinized sections 88.5-91m, 93.5-101m, and															
		109-110m.															
		It is cut by very minor (1%) white carbonate															
		serpentine filled fractures and veinlets.															
		Structure: upper particularly 85.2-104m is moderate															
		to strongly fractured rqd-60.then weak fracturing															
		rqd-90.															
		111.30 111.40 Cataclastic dyke-70-80% dark green															
		adcumulate angular blocks within a															
		white aphanitic matrix.															
		Lower contact sharp but undiscernable due to															
		fracturing.															
127.00	135.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey, soft, very fine grained, strongly															
		altered mesocumulate peridotite(75% olivine).															
		Alteration: strong pervasive carbonatization															
		talcose and moderate pervasive serpentinization.															
		Structure: intensely fractured, very poorly rqd-30.															
		Unit is intensely 15% to locally 20% white															
		serpentine-carbonate veined.															
		Local contact marked by decrease of carbonatization															
		and veining.															

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(%) %
135.80	140.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 29-62.9m. But strongly serpentinized.															
		Structure: strongly fractured rqd-30. No carbonate															
		veinlets/stringers. Nil sulphides.															
		Lower contact sharp with serpentine gouge material.															
140.00	151.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Light green, very fine grained, homogeneous,															
		massive, altered mesocumulate (10-15% black olivine															
		and 60% dark grey altered olivine cumulate grains															
		in a white to pale green aphanitic matrix).															
		Trace white carbonate filled microfractures to															
		fractures. Local dark green serpentine tension															
		gashes.															
		140.40 140.80 White irregular carbonate stringers															
		to fractures.at 10 to ca.															
		149.10 151.00 Vfg- aphanitic serpentinized section.															
		Structure: weak fracturing RQD 85.															
		Lower contact gradational.															
151.00	160.85	KOMATIITIC SPINIFEX PERIDOTITE															
		Ligh green, very fine grained, homogeneous, olivine															
		spinifex komatite. It is comprised of 10% very fine															
		(up to 1mm) olivine needles (1-3 cm long)															
		randomly and platy oriented within a serpentinized															
		orthocumulate peridotite (50 % serpentine															
		cumulate).															
		Structure: weak fracturing RQD 75 to 154.5m then															
		RQD 95.nil sulphides and carbonate veinlets.															
		160.20 160.40 Mesocumulate peridotite same as															
		140-151m.															
		160.40 160.70 Dark blackish green aphanitic olivine															
		spinifex section.															
		160.70 160.85 Black spotted olivine spinifex? it															
		consists of 40% black subrounded															
		olivine spots (5mm diameter) in an															
		orthocumulate peridotite (50% very															
		fine olivine grains).															
160.85	164.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 3-29m.															
		Structure: moderate to strong fracturing rqd-40.															
		Nil sulphides and very minor white carbonate filled															
		microfractures.															
		Lower contact gradational.															
164.00	178.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey, grading to greenish black, very fine															
		grained grading to aphanitic, non-magnetic, massive															
		adcumulate peridotite (85% black olivine cumulate).															

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(%) %
		Alteration: moderate to strong pervasive serpentization beginning at 173.2m. Lower contact gradational and marked by serpentine veinlets. The unit is cut by 1-2% white carbonate and rare dark green serpentine veinlets. Structure: weak to moderate fracturing rqd-70. 164.50 164.75 White carbonate- serpentine vein cutting half the core.															
178.50	201.90	KOMATIITIC PERIDOTITE MESOCUMULATE Greenish grey, very fine grained, massive, homogeneous, mesocumulate peridotite (70% black fine olivine cumulate grains within a white very fine grained matrix). Structure: moderate fracturing rqd-60-70. Mesocumulate cut by 2% irregular white carbonate filled fractures to veins (up to 2-3 cm wide) with more intense sections at 182.15-182.6, 191.6-191.8, 193-193.3. Stringers 30 to ca. 182.10 182.30 Minor sheared section (40 to ca). 192.30 192.43 White aphanitic carbonate vein with irregular contacts. Lower contact sharp, 35 to ca.															
201.90	204.20	KOMATIITIC SPINIFEX PERIDOTITE The unit is subdivided as follows:. 201.90 202.20 Pale green, aphanitic, serpentinized peridotite flow top ?. 202.20 203.35 Light green olivinie spinifex komatiite, same as 151-160.85m. 203.35 204.20 Greyish white, green- speckled, soft, serpentinized orthocumulate peridotite section. The orthocumulate consists of 40% pale green serpentine cumulate grains floating in a white matrix. The section also contains the occasional pale green aphanitic serpentinized peridotite block. Lower contact gradational.															
204.20	214.50	KOMATIITIC PERIDOTITE MESOCUMULATE Same as 178.5-201.9m but cut by strong (10%) white to pale green serpentine-carbonate veining to fracture fillings from 207.5-214.5m. Structure: moderate fracturing rqd-60 nil sulphides. Alteration: patchy, moderate pervasive serpentinization. Lower contact gradational.															

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(%) %
214.50	233.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green, very fine grained, massive, weak to moderately serpentinized adcumulate peridotite (90% serpentinized olivine cumulates in a light green serpentinized matrix).															
		It is cut by 2% white carbonate veinlets/stringers.															
		Structure: weak fracturing rqd-75.															
		Lower contact gradational.															
233.60	255.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 3-29m down to 246.9m then the mesocumulate peridotite is weak to moderately serpentinized(same as 67.15 to 72.2m).															
		The upper portion (to 246.9m) is cut by 3-5% white carbonate stringers/veinlets and is moderately fractured rqd-60.															
		The lower portion is.															
		249.50 250.00 Same as 238.2-239.8m.															
		250.00 255.60 Grey very fine grained, non-magnetic, soft, carbonatized (moderately pervasive) mesocumulate peridotite.															
		Lower contact marked by presence of first sga.															
255.60	262.80	GRAPHITIC ARGILLITE															
		Mixed unit of predominately black very fine grained soft massive graphitic units intercalated with light grey soft, very fine grained, carbonatized mesocumulate peridotite.															
		255.60 256.35 Graphitic argillite unit.															
		256.35 259.35 Greenish grey, very fine grained, massive graphitic (microfracture fillings) mesocumulate (65-70%) grey carbonatized olivine cumulate.															
		259.40 260.30 Graphitic argillite containing 1% brassy pyrite fine grained dissemination to local blebs.															
		Lower contact 40 to core axis to upper contact 35 to ca.															
		260.30 260.80 Same as 256.35- 259.35m.															
		260.80 262.30 GRAPHITIC ARGILLITE same as 259.4-260.3m.															
		Upper contact 65 to core axis to lower contact 50 to ca.															
262.80	281.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Greenish grey, mottled, vfg-aphanitic, homogeneous, massive adcumulate peridotite (90% tightly packed altered olivine cumulate grains).															
		The mottled appearance due to variably serpentinized (green tinged) sections.															
		Adcumulate cut by 1-2% irregular white carbonate															

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(%) %
		veinlets and lesser dark green serpentine filled fractures. Structure: competent rqd-95. Nil sulphides. Lower contact gradational. 266.00 266.50 Intense (60% of section) white carbonate-serpentine vein flooding. 280.60 281.70 Blackish grey, graphitic (10-20%) adcumulate section.															
281.70	283.50	GRAPHITIC ARGILLITE Black very fine grained soft graphitic argillite. Nil sulphides and calcite veining. Lower contact sharp 25 to ca.															
283.50	318.20	KOMATIITIC PERID0TITE ADCUMULATE The upper portion 283.15-286.9m is a light grey, massive, adcumulate (same as 262.8-281.7m) with no white carbonate veining rqd-85. Next section 286.9-291.2m is a greenish grey very fine grained serpenitized (moderately pervasive) sulphidic adcumulate. This is followed by blackish green very fine grained adcumulate peridotite (same as). 0.5-1% White irregular carbonate stringers beginning at 286.9m and weak to moderate fracturing rqd-70. 296.30 296.45 White very fine grained carbonate - serpentine vein 25 to ca. 320.00 321.50 Blocky core rqd-30, moderate to strong fracturing. Lower contact gradational.															
318.20	323.65	KOMATIITIC PERIDOTITE MESOCUMULATE Same as 178.5- 201.9m. Alteration: weak to moderately pervasive serpentine. Weak dark green serpentine filled microfractures. Lower portion of unit maybe flow top breccia section as aphanitic and serpentinized from 323.1m to 323.65m.															
323.65	328.00	KOMATIITIC SPINIFEX PERIDOTITE Light green, very fine grained, weakly spinifex textured orthocumulate (40 % dark grey fine olivine grains in an aphanitic matrix). The weak spinifex consists of 5-10% large black olivine blades randomly and haphazardly oriented. Patchy spinifex from 326.7- 325.5m, blades are parallel to ca. 0.5% to trace white carbonate (calcite) tension gashes and fine stringers. RQD -80. Lower contact gradational.															

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(%) %
328.00	333.15	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 318.2-323.65m.															
		Alteration: moderately pervasive serpenitization.															
		328.00 333.00 2% white irregular carbonate stringers to veins.															
		Lower contact gradational.															
333.15	340.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Green, vfg-fg, weakly spinifex textured mesocumulate peridotite. The spinifex begins at about 335.6m and consists of 10% black fine olivine needles (up to 5cm long) randomly to locally platy oriented.															
		The upper section (333.15- 335.6m) is very fine grained mesocumulate with weak dark green serpentine filled microfractures (flow top breccia?).															
		Structure: competent rqd-95. Nil sulphides.															
		Lower contact sharp 55 to ca.															
340.50	345.10	KOMATIITIC PERIDOTITE BRECCIA															
		This unit appears to be the brecciated flow top bottom.															
		It is comprised of sub-angular dark green adcumulate (85-90% olivine cumulate) blocks which at the beginning (340.5-341.5m) are floating into white- green very fine grained carbonate-serpentine matrix-.															
		Then they are tightly packed and separated by fine anastomosing carbonate-serpentine stringers.															
		Structure: competent rqd-95 nil sulphides.															
345.10	363.75	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green same as 214.5 to 233.6 m. Unit is cut by 2-3% white carbonate veinlets to stringers.															
		Structure: moderate to local sections of intense fracturing, overall rqd-65.															
		352.50 353.20 Blocky core, RQD 20.															
		358.75 360.40 Blocky core, rqd-30.															
		362.30 363.75 Mesocumulate section (70% olivine cumulate).															
		Lower contact sharp 50 to ca.															
363.75	371.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Same as 333.15-340.5m. Nil sulphides.															
		363.75 365.60 Flow top breccia section similar to 333.15-335.6m.															
		365.60 369.55 Random olivine spinifex textured section, same as 335.6- 369.55m.															
		369.55 370.45 Platy olivine spinifex, long olivine															

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(%) %
		needles, parallel to core axis.															
		369.55 371.00 Same as 365.6- 369.55m.															
		Lower contact gradational.															
371.00	389.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Blackish dark green, mottled, same as 214.5-233.6 m.															
		Alteration: mottled green appearance due to local															
		intense pervasive serpentization patches.															
		Unit is cut by 1% fine (1-5mm) veinlets.															
		Structure: competent rqd-90.															
		Lower contact gradational.															
389.30	391.55	KOMATIITIC PERIDOTITE MESOCUMULATE															
		White speckled, dark green, non-magnetic, soft,															
		mesocumulate peridotite (60 % black to dark green															
		olivine cumulate in pale green serpentinized															
		material.).															
		Alteration: weak to moderate serpentinization. Unit															
		cut by 1% white to green serpentine - carbonate															
		filled fractures. Nil sulphides.															
		Lower contact gradational.															
391.55	394.85	KOMATIITIC PERIDOTITE BRECCIA															
		Pale greenish grey, very fine grained,															
		non-magnetic, weakly brecciated (tectonic due to															
		fracturing) serpentinized adcumulate peridotite (															
		95% of the olivine cumulate completely altered to															
		serpentine and 5 % black olivine remaining).															
		In the upper particularly dark green serpentine															
		filled tensional fracture gashes.below 392.2m															
		graphite filled fractures.															
		Lower contact sharp 55 to ca.															
394.85	396.05	KOMATIITIC PERIDOTITE GRAPHITIC															
		Black, very fine grained, graphitic and biotitic,															
		massive, adcumulate peridotite (nonconductive). Nil															
		sulphides. Weak calcite alterations.															
		Lower contact sharp 50 to ca.															
396.05	401.00	KOMATIITIC PERIDOTITE SHEARED															
		Grey, very fine grained, mottled, soft,															
		carbonatized to locally talcose, sheared															
		peridotite. Nil sulphides.															
		Structure: well sheared, shearing 50 to ca. The															
		white carbonate veinlets have been sheared into															
		wispy lenses parallel to shear foliation.															
401.00		END OF HOLE															

DRILL HOLE RECORD

Northing:	5349356.00
Easting:	497585.20
Elevation:	294.92
Collar Azi.:	323.3
Collar Dip:	-49.7
Hole length:	350.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	K. Montgomery
Date(s) logged:	Sept 19,2007
Purpose:	N/A
Core storage:	HASTINGS Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
50	325.1	-49.7
101	327.0	-50.4
152	328.4	-50.2
200	329.1	-51.1
302	332.3	-51.8
350	334.2	-52.0

Drill Hole:	GCL7-27
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	25N
Easting:	25E
GPS Northing:	5349355.68
GPS Easting:	497585.20
Date Started:	Sept 18,2007
Date completed:	Sept 24,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	PM 30g FA, BM AA
Lab:	
Sample series:	
Lab report:	

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	15.00	OVERBURDEN															
15.00	27.50	KOMATIITIC PERIDOTITE MESOCUMULATE 15.00 Metre of nw casing. Greenish grey, very fine grained, homogenous, massive, non-magnetic, mesocumulate peridotite (65-70% dark grey olivine in a pale green aphanitic matrix). Alteration to weak pervasive serpentinization and carbonatization. Structure: moderate fracturing rqd-75. It is cut by 1-2% very fine calcite stringers. 15.00 19.50 Blocky core, strong to intense fracturing locally iron oxidized (surface fracturing). Rqd-0 and 50% core loss. 27.40 27.50 White quartz vein with brown ankerite patch on lower contact, 50 to ca. Lower contact gradational.															
27.50	38.00	KOMATIITIC SPINIFEX PERIDOTITE The section is cut by anastomosing black serpentine filled microfractures. Rqd-60. The unit is subdivided as follows:. 27.50 29.00 Black, very fine grained, non-magnetic,															

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(%) %
		random weakly olivine spinifex textured komatiite (5-7% black stubby olivine laths randomly oriented to local chicken scratch in an aphanitic matrix).															
		29.00 35.00 Pale grey, aphanitic olivine spinifex textured komatiite (5-7% black olivine long needles random but locally platy in a grey aphanitic matrix).															
		35.00 38.20 Blackish green to pale grey, mottled, aphanitic crackle brecciated komatiite. This is likely the base of the spinifex unit.															
		Lower contact gradational.															
38.00	114.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Greenish black, very fine grained, non-magnetic, massive homogenous, adcumulate peridotite (80-85% tightly packed partially serpentinized olivine cumulate).															
		Structure: weak to moderate fracturing rqd-65. Strongly fractured rqd-20 from 60 to 63, intense low angle fracturing from 72 to 77 m. Moderate to strong fracturing from 100 to 109.5 metre rdq-50.															
		38.00 39.60 Pale grey bleached section, weak crackle brecciation.															
		44.00 47.00 Greenish black mesocumulate section (65-70% black olivine in aphanitic serpentinized matrix).															
		49.30 50.90 3-5% black graphite unfilled microfractures weak crackle brecciation.															
		50.90 51.10 Black speckled pale green orthocumulate or spinifex section comprised of 20-30% dark grey stubby olivine cumulate in a pale green aphanitic serpentine matrix. 2% black serpentine amygdules.															
		59.30 59.80 2% black serpentine amygdules.															
		65.60 68.90 Same as 59.3-59.8m. The upper and lower portions of section have less amygdules.															
		68.90 70.50 Moderately intense (40%) pale green aphanitic serpentine veinlets to stringers (2-5mm) at 10 to ca.															
		95.15 95.25 White very fine grained serpentine-carbonate vein 35 to core axis.															
		109.50 113.80 5% black aphanitic serpentine amygdules in a dark green serpentinized adcumulate section.															
		109.00 114.50 2% white aphanitic serpentine -carbonate veinlets to stringers.															
		113.80 114.50 Alteration: moderate pervasive serpentinization.															
		Lower contact gradational.															

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(%) %
114.50	123.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Same as 29-35m.															
		The upper particularly 114.5 to 118 metre is a flow															
		top breccia (crackle brecciated aphanitic															
		carbonatized adcumulate).															
		Nil sulphides. No veining/stringers. Rqd-85-90.															
		Lower contact gradational.															
123.10	216.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 38-114.5m.															
		Local serpentine amygdaloidal sections.															
		Structure: weak fracturing RQD 85 the unit is cut															
		locally by 1-3% white very fine carbonate															
		microfractures to local veinlets.															
		Alteration: weak moderate pervasive															
		serpentinization of the olivine cumulate which															
		seems to increase downhole.															
		123.10 134.00 Min: trace very fine grained brassy															
		to brown pyrrhotite very fine															
		disseminations throughout.															
		125.00 129.75 5%, same as 109.5-113.8 some blobs up															
		to 5cm in size.															
		125.40 125.55 White carbonate vein with peridotite															
		slivers, vein 50 to core axis.															
		141.70 142.30 Alteration: bleached yellowish green															
		soft intense serpentization.															
		155.00 185.00 Min: 0.5% very fine grained brassy to															
		brown po-pn fine disseminations															
		intercumulus to olivine.															
		146.00 172.00 Weak to moderate fracturing rqd-70.															
		161.00 168.50 2-3% aqua green aphanitic serpentine															
		amygdules.															
		170.20 183.00 More intense white to pale green soft															
		serpentine- carbonate irregular															
		random veinlets to fracture fillings.															
		172.00 174.00 Strong fracturing rqd-20.															
		174.00 185.00 Weak to moderate fracturing same as															
		146-172m.															
		176.00 178.20 Light grey bleached moderate															
		pervasive carbonate-serpentine															
		alteration.															
		178.20 179.00 5-7% white serpentine - carbonate															
		amygdules.															
		186.00 188.00 2-3% white carbonate - serpentine															
		specks (intercumulus matrix) and															
		local amygdules.															
		193.80 195.50 Alteration: weak pervasive serpentine															
		matrix.															
		206.50 206.60 Massive brown vfg-fg															
		pyrrhotite-pentlandite vein (3.5cm)															

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(%) %
		50 to ca.															
		208.50 208.60 Greenish white, aphanitic, soft, serpentine-carbonate vein, lower contact 90 to core axis and upper contact 50 to ca.															
		215.00 216.00 Alteration: grey bleached section of moderate pervasive carbonatization and serpentization.															
		Lower contact gradational (possibly shearing 40 to ca).															
216.00	218.95	KOMATIITIC SPINIFEX PERIDOTITE															
		Light grey, very fine grained - aphanitic olivine spinifex komatiite section.															
		It is comprised of flow top breccia from 216-217.3 m. Breccia is an aphanitic meso to adcumulate peridotite with faint black olivine needles and black serpentine filled microfractures (weak).															
		The lower portion is random olivine spinifex consisting of 20-30% black olivine needles/laths in a very fine grained serpentine aphanitic matrix.															
218.95	225.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 38-114.5 m. Structure: weak to moderate fracturing rqd-70.															
		2-3% White irregular carbonate - serpentine veinlets often with bleached green serpentine alteration halos about them. Nil sulphides.															
		224.35 225.00 Alteration: bleached pale green intense pervasive serpentization of the adcumulate at the contact of the felsic dyke.															
		Lower contact sharp.															
225.00	228.50	FELSIC INTRUSIVE (UNDIFFERENTIATED)															
		Grey, homogeneous, massive, very fine grained, hard, non-magnetic, felsic dyke. Sharp contact nil sulphides. Very weak calcitic alteration. RQD - 95.															
		Lower contact sharp 50 to ca.															
228.50	248.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 38-114.5m.															
		Min: nil sulphides in upper particularly down to 239m. Then trace to 0.5% very fine grained disseminations.															
		Structure: weak fracturing with most fractures, 45 to ca. Rqd-80.															
		5% White carbonate stringers to veinlets throughout. Also local pale green aphanitic serpentine veinlets/fractures.															
		228.50 229.05 Alteration: same as 224.35-225m.															

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(%) %
		White vfg- aphanitic serpentine-carbonate vein vc 70 to core axis, lost core 35 to ca.															
		242.83 242.85 White to green, very fine grained, serpentine-carbonate vein (3.5cm), 40tca.															
		243.75 243.85 Same as above, uc 30 to core axis and lost core 45 to ca.															
		247.50 248.00 Blocky core rqd-0, 30% core loss.															
248.40	249.90	KOMATIITIC PERIDOTITE MESOCUMULATE Serpentinized very fine grained mesocumulate peridotite comprised of 70-75% dark grey olivine cumulate grains in mutual contact and enveloped by pale green aphanitic matrix.															
249.90	251.90	KOMATIITIC SPINIFEX PERIDOTITE Same as 217.3-218.95 pale greenish grey, bleached, olivine spinifex komatiite and mesocumulate peridotite.															
251.90	253.90	KOMATIITIC PERIDOTITE MESOCUMULATE Serpentinized fine grained cumulate-60-65% dark green serpentine laths and mesocumulate grains in a white glassy matrix. Lower contact gradational.															
253.90	259.30	KOMATIITIC PERID0TITE ADCUMULATE Mottled, pale green to grey, soft variably altered komatiitic peridotite that appears to be an adcumulate. Structure: moderately to strongly fractured rqd-40 with gouge fracture slips at 254.45, 254.9 and 255.9 m.															
		254.00 255.20 Alteration: intense pale green pervasive serpentization that bleaches the section. Aphanitic adcumulate.															
		255.20 257.00 Alteration: moderate serpentization (mottled green to grey section) consisting of intense green serpentization halos about fractures and irregular bands.															
		257.00 258.40 Moderate (15%) white very fine grained irregular serpentine carbonate veinlets throughout. Dark grey carbonatized adcumulate peridotite.															
		258.40 259.30 Pale green bleached black spotted (olivine cumulate remnants) serpentinized adcumulate peridotite.															

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(%) %
		Almost all the 90% olivine cumulate grains have been completely altered to serpentine. A local 10 cm chill margin at lower contact. Lower contact sharp 55 to ca.															
259.30	260.10	FELSIC INTRUSIVE (UNDIFFERENTIATED) Pink, hard, very fine grained, massive to weakly fractured felsic dyke. The upper margin (259.3-259.55) and lower margin (259.85-260.1m) contain 10% very fine black mafic phenocrysts. Otherwise trace-2% mafics. The felsic dyke is cut by minor black very fine grained amphibole filled fractures. Lower contact sharp 45 to ca.															
260.10	262.05	MAFIC INTRUSIVE Black, fg-mg, massive, mafic intrusive. It consists of tightly packed black to dark blackish green amphibole laths and phenocrysts that appear slightly chloritized with 5% white calcite material interstial to the amphiboles (down to 261.45 m). Then from 261.45-261.85m, pale green chloritized amphiboles phenocrysts (80-85%) (80-85%) with interstial very fine grained white calcite-quartz material. Lower margin of intrusive 261.85-262.05 is green very fine grained soft altered section. Lower contact is sharp but orientation undeterminable.															
262.05	277.55	KOMATIITIC PERID0TITE ADCUMULATE Greenish black, same as 38-114.5 m. It is cut by very minor white carbonate filled fractures. Structure: upper particularly (262.05-269 m) is weakly fractured rqd-90, while lower particularly is moderately fractured rqd-60. 262.05 262.10 Alteration: grey aphanitic bleached section due to serpentinization and carbonatization from intrusion of dyke. 274.00 277.55 Alteration: greenish tinge to section as a result of moderate pervasive serpentinization of the olivine cumulate (85-90%), higher matrix. Lower contact gradational.															
277.55	288.50	KOMATIITIC SPINIFEX PERIDOTITE 277.55 278.00 Flow top breccia section- pale greenish grey very fine grained serpentinized mesocumulate peridotite that has been crackle brecciated by															

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(%) %
		10% black serpentine filled microfractures.															
		277.80 278.90 Flow top breccia section- it consists of 20% pale green aphanitic serpentine subrounded KOMATIITIC PERID0TITE blocks in a black white speckled mesocumulate kpd.															
		278.90 280.20 Same as 277.55-278 but less intensely brecciated.															
		280.20 287.00 Blackish green, vfg-fg, non-magnetic olivine spinifex textured komatiite comprised of 10-15% black olivine needles random to locally platy orientated within mesocumulate peridotite.															
		287.00 288.50 Black olivine spinifex komatiite with patches of black aphanitic serpentine. Grades into underlying adcumulate.															
288.50	316.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Blackish green, same as 38-114.5 metre, 2-3% white irregular carb-serpentine veinlets throughout. Structure: weak fracturing rqd-90 with moderate fracturing at 297.5-299.5 m. Trace very finely disseminated sulphides. Alteration: below 300m, stronger serpentinization imparting green tinge to unit.															
		315.00 316.20 Alteration: moderate to strong pervasive serpentization bleaching section and altering the olivine cumulate.															
316.20	321.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale green soft, olivine spinifex textured komatiite consisting of 15% black ragged olivine needles in a very fine grained pale green serpentine cumulate matrix. Structure: moderately fractured rqd-60. Nil sulphides. Alteration: strong pervasive serpentinization of olivine cumulates.															
		316.20 316.60 Flow top breccia section. Lower contact gradational.															
321.90	330.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey, very fine grained, massive, homogeneous, adcumulate peridotite. Structure: weak fracturing, RQD 85, 1% fine (1-2mm) white carb- serpentine veinlets/stringers. Alteration: weak pervasive carbonatization.															

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(%) %
		326.37 326.42 White soft serp-carb vein, (4cm), 55 to ca.															
		Lower contact gradational.															
330.90	335.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Green vfg-fg, soft, serpentinized, weakly olivine spinifex textured mesocumulate peridotite flow. It is cut by 1% irregular calcite stringers.															
		Lower contact gradational.															
335.90	350.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Greenish grey, very fine grained, homogeneous, non-magnetic, massive mesocumulate peridotite (75-80% olivine cumulate). It is cut by 1% white carbonate-serpentine stringers to veinlets, randomly oriented.															
		Structure: moderate fracturing rqd-70.															
350.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349357.00
Easting:	497427.10
Elevation:	297.53
Collar Azi.:	321.9
Collar Dip:	-44.3
Hole length:	452.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	September 18-28, 2007
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
14	323.0	-44.1
65	322.0	-44.5
116	326.8	-45.7
167	327.9	-45.9
218	329.9	-46.8
269	331.1	-47.5
320	336.3	-48.0
371	334.7	-47.9
452	339.6	-48.4

Drill Hole:	GCL7-26
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	1+29N
Easting:	1+00W
GPS Northing:	5349356.77
GPS Easting:	497427.13
Date Started:	September 17,2007
Date completed:	September 21,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	13.60	OVERBURDEN 14m Of nw casing.															
13.60	19.10	GRANODIORITE Grey to dark grey, medium to coarse grained, massive, homogeneous, hard, non magnetic, weakly porpheritic, locally oxidized. No reaction to HCl, locally weakly chlorite altered. 0.5-1% 2-4mm Quartz-feldspar phenocrysts. Minor fracturing throughout at 10-15 and 40-50 degrees to core axis with orange brown oxidized fractures and/or chlorite, calcite serpentine. 0.5% white 1-2mm thick quartz-calcite stringers at 20-30 tca. Trace fine grained pyrite. Sharp lower contact at 40 tca.															
19.10	22.80	KOMATIITIC PERID0TITE ADCUMULATE Dark grey-black, fine grained, massive, homogeneous, weakly fracture, non magnetic, hard. Fairly pristine unit with some very minor serpentine alteration around stringers. Good RQD of 85%with minor fracturing and broken core Fracture filling consists of very minor 1-3mm dark green-black serpentine.															

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(%) %
		A few scattered white-dark green serpentine stringers at 40 tca.															
		Nil sulphides.															
		Sharp lower contact at 30 degrees to core axis.															
22.80	30.80	GRANODIORITE															
		Same as 13.6-19.1.															
		Slightly more felsic with 15-20% quartz-plagioclase.															
		3-4% Tiny quartz phenocrysts.															
		RQD of 75% with sections of broken core associated with kpda.															
		Fracturing at 60-70 degrees to core axis with serpentine fracture filling.															
		A few thin quartz-calcite stringers and quartz veinlets at 60 and 30 tca.															
		27.80 29.70 Section of KOMATIITIC PERID0TITE ADCUMULATE, same as 19.1-22.8, fractured, weakly brecciated, sections of 0% RQD with overall RQD of 60%, sharp contacts at 30 tca.															
		Sharp lower contact at 60 degrees to core axis in broken core.															
30.80	35.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 19.1-22.8.															
		30.40 32.00 Broken core, highly fractured, 0-10%rqd.															
		Gradual lower contact.															
35.00	60.30	KOMATIITIC PERIDOTITE BRECCIA															
		Dark grey-black, mottled, crackled breccia in mesocumulate-adcumulate, fine grained.															
		No reaction to HCl, patchy very weak serpentine and localized graphite alteration.															
		35.00 43.50 Weak crackled breccia section caused by 10-15% micro fracturing with serpentine rehealing, rare fracturing with serpentine and occasionally graphite fracture filling, good RQD of 90%.															
		43.50 60.30 Sheared and brecciated (crackled) with 20% highly calcite altered GRAPHITIC ARGILLITE, predominately graphite altered with some serpentine, 60% RQD, highly fractured-sheared at 30-40 degrees to core axis, 0.5% po-py on fractures.															
		53.50 56.00 Half dozen yellow-brown po-py blebs.															
		48.50 50.50 Broken core, highly fractured, 0-10%rqd, 50-60% recovery.															
		60.20 Possible very 4-5cm section of spinifex blades or brecciation.															
		Gradual lower contact.															

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(%) %
60.30	142.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Grey to dark grey, weakly brecciated, fractured, altered, fine grained, hard, non magnetic. Weakly carbonate altered giving unit grey-white appearance. Good RQD of 85-90%. Weakly fractured/brecciated (crackled) throughout unit with dark green-black serpentine healing, locally pistachio green and white calcite-carbonate healed. Unit is cut by up to 2-3% white calcite-carbonate stringers at various angles but generally 30-40 tca. Mineralization consists of po-pn blebs, patches, disseminations with a general association to stringers/fractures. The sulphide mineralization ranges from trace-2% po-pn with localized sections from 3-5%.															
		66.30 68.00 Patchy red to orange oxidation/alteration along stringers/fractures.															
		107.00 Unit becomes more weakly fractured/crackled breccia with a few massive sections, some minor broken core. Mineralization is similar disseminations, blebs, association with stringers/fractures but with some po-pn stringers and mineralization up to 6-7%.															
		125.40 Red-orange oxidation-alteration.															
		125.90 132.10 4-5% blebby-patchy dull brown po-pn mineralization.															
		132.10 140.40 2-4% po-pn mineralization as blebs, patches, disseminations as well as along stringers/fractures.															
		140.40 142.40 More grey to black, maybe KOMATIITIC PERIDOTITE GRAPHITIC, medium grained, moderately brecciated mm-cm sized angular fragments, local graphitic fractures, 1-2% po-pn.															
		Lower contact at 55 tca.															
142.30	148.40	GRAPHITIC ARGILLITE															
		Dark grey-black, very fine grained to fine grained, massive, homogeneous, moderately hard to hard, non magnetic, conductive. Pervasive graphite alteration with slight calcite alteration increasing to highly calcite altered with depth. Minor fracturing with a few weakly brecciated sections, fracturing at 30, and 60-70 degrees to															

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 axis with silver-black graphite fracture filling.															
		Overall RQD is very good at 85%.															
		Unit is cut by 1-2% low angle, irregular grey-white calcite-serpentine stringers.															
		Sulphide mineralization ranges from trace to maybe 2% po-pn as disseminations and local blebs.															
		145.70 146.50 Weathered, vuggy section of slightly broken core.															
		Lower contact at 70 tca.															
148.40	183.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black with some greyish sections, fine grained, hard, non magnetic, altered, foliated, fractured, brecciated.															
		Pervasively weakly serpentine altered with localized weak carbonate (greyish color), graphite and calcite altered.															
		Good RQD of 85%with minor fracturing and broken core, fracturing at generally 50-60 tca.															
		Unit is cut by1-3% white to grey white calcite and/or serpentine, carbonate stringers and local veinlets at 65-75 tca.															
		148.40 150.90 Mixed sga-kpda section, 40% GRAPHITIC ARGILLITE, weakly brecciated healed with graphite, minor fracturing with graphite filling, 1-2% yellow-brown yellow po-pn along fractures and local cm sized blebs.															
		150.90 153.10 Altered grey-brown sections with 8-10% disseminated po-pn, patchy graphitic sections.															
		153.10 153.80 Altered and brecciated section with 10-15% disseminated po-pn, a few local blebs.															
		155.70 156.20 Weakly foliated at 40 degrees to core axis, altered, nil sulphides.															
		160.00 Unit becomes more massive typical adcumulate with trace-1% disseminated po-pn.															
		181.80 182.40 Small amygdaloidal flow with distinct contact at 70 degrees to core axis, 1% 1mm-5mm serpentine filled amygdules, trace po.															
		Gradual lower contact.															
183.70	185.70	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey to pale green-grey, fine grained, altered, non magnetic, hard.															
		Weak to moderately serpentine and ankerite altered.															
		Randomly oriented, dark green- black olivine															

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(%) %
		spinifex, generally cm sized blades.															
		Excellent RQD of 95%.															
		Trace finely disseminated po.															
		Gradual lower contact.															
185.70	229.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black to dark grey, fine grained, massive,															
		homogeneous, hard, non magnetic, altered,															
		fractured, brecciated.															
		Weakly serpentine and locally weakly carbonate															
		altered.															
		Good RQD of 80% with minor sections of calcite and															
		serpentine healed brecciation.															
		Fracturing at 60-70 degrees to core axis with a few															
		low angle 30 degrees to core axis, fracture filling															
		consists of minor serpentine and calcite.															
		Unit is cut by several generations of calcite,															
		serpentine and some carbonate stringers at various															
		angle but generally 60 tca.															
		Nil to trace pyrrhotite with a few specks/blebs															
		3-5mm sized around 194.7m.															
		198.00 206.00 Several sections of broken core due															
		to increased low angle fracturing,															
		50-60% rqd.															
		201.00 Alternating sections of grey-black															
		massive adcumulate and greyish-white															
		black more mesocumulate and carbonate															
		altered sections.															
		211.30 211.80 0.5-1% dull brown-yellow po-pn speck															
		with local stringers.															
		224.50 226.80 1% brown to yellow blebs/patches															
		scattered throughout section.															
		226.80 229.50 Light grey to green, highly carbonate															
		altered, mottled, orthocumulate 30%															
		brown-white, possibly biotite rich															
		sections.															
		229.50 Dark black adcumulate section, 5 inch															
		long, sharp contacts.															
		Lower contacts at 60 tca.															
229.60	234.80	KOMATIITIC PERIDOTITE SHEARED															
		Green to grey, altered, foliated, sheared, fine															
		grained, hard, non magnetic.															
		Weak to moderately serpentine and ankerite altered.															
		Weakly foliated/sheared at around 40 tca.															
		80-85%rQd.															
		Minor 40 degrees to core axis serpentine filled															
		fractures.															
		2-3% White grey carbonate stringers at 40 degrees															
		to core axis.															
		230.20 A few patches of brown po.															

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(%) %
		232.80 21cm white calcite-quartz veinlet at 35-40 tca.															
		Gradual lower contact.															
234.80	252.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black-grey, fine grained, massive, hard, non magnetic, locally altered/fractured.															
		Patchy greyish carbonate-serpentine alteration.															
		Good RQD of 80% with minor sections of broken core.															
		2-3% White-grey calcite, carbonate, serpentine and quartz-carbonate stringers/veinlets at various angles 30, 40 and 75-80 tca.															
		Minor fracturing with mostly serpentine and some carbonate fracture filling.															
		No visible sulphides.															
		Gradual lower contact.															
252.20	254.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black, fine grained, hard, non magnetic, massive.															
		Weakly serpentine and locally weakly carbonate altered.															
		0.5% White calcite stringers at 50 tca.															
		0.5-1% Flecks of pyrrhotite with some along stringers/fractures.															
		Gradual lower contact.															
254.20	262.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 234.8-252.2m.															
		3% White calcite-carbonate stringers/veinlets.															
		A few tiny blebs/specks of po-pn around 258.5m.															
		Gradual lower contact.															
262.00	269.60	KOMATIITIC SPINIFEX PERIDOTITE															
		Typical grey to green altered spinifex, fine grained, hard, non magnetic.															
		Moderately serpentine and ankerite altered.															
		Scattered platy to stubby spinifex throughout at random angles.															
		Good RQD of 85%.															
		A few discontinuous irregular calcite stringers.															
		Trace-1% po-pn.															
		Gradual lower contact.															
269.60	295.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Variable colored from dark grey-black to grey-green, fine grained, hard, non magnetic, massive variable altered.															
		Pervasive weak to moderate carbonatization with some serpentine alteration.															
		70-75% RQD with numerous sections of broken															

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(%) %
		fractured core.															
		Fracturing at generally at 50-60 degrees to core axis with very minor serpentine and carbonate fracture filling.															
		Mostly discontinuous ripped up calcite-carbonate stringers until around 295m then 2-3% milky white carbonate and quartz-carbonate stringers at 50 tca.															
		Nil to trace po.															
		278.50 295.00 Moderately carbonate altered and fractured section, RQD of 60%.															
		Gradual lower contact.															
295.00	324.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to black, massive, homogeneous, hard, non magnetic.															
		Similar to previous unit but with weak pervasive carbonatization.															
		Good RQD of 85% with minor fracturing at 40-50 tca.															
		2-3% White, green and grey-white calcite, serpentine and calcite-carbonate stringers and some veinlets at generally 40 tca.															
		No visible sulphides.															
		321.40 324.30 Pale green-grey, serpentine-ankerite altered, fractured, 65% RQD, local 15cm graphitic section at 323.5m.															
		Gradual lower contact.															
324.30	333.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Ranging from chicken scratch spinifex set in dark grey-black graphite altered matrix until around 329m then changing to randomly oriented platy/ blades of olivine spinifex in grey-green serpentine altered mesocumulate matrix.															
		Minor fracturing at 50 degrees to core axis with serpentine and graphite fracture filling.															
		332.40 333.00 0.5% flakes of po.															
		Gradual lower contact.															
333.50	351.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black-grey, fine grained, massive, hard, non magnetic, locally altered, fractured and brecciated.															
		Pervasive weak carbonatization with a few sections of serpentinization.															
		Fracturing at 40 degrees to core axis with white/green serpentine fracture filling.															
		RQD of 75-80% with numerous sections of broken core.															
		Scattered weak brecciation with serpentine healing.															
		Generally nil sulphides with localized section of up to 1% brassy-brown pyrrhotite on fractures.															
		350.80 351.00 Graphitic section of broken core, 0% RQD, silver-black graphite on															

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(%) %
		fractures.															
		Gradual lower contact.															
351.40	361.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green black olivine spinifex set in pale grey-green serpentine-ankerite altered matrix. The spinifex range from mm-cm sized and are generally randomly oriented blades. The unit is fine grained, hard, fractured, altered, non magnetic. The fracturing ranges from 40-60 degrees to core axis with dark green serpentine fracture filling. RQD of 70-75%. 0.5% White-grey calcite stringers at various angles. No visible sulphides. Gradual lower contact.														
361.40	421.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate-adcumulate (carbonatized). Dark grey-black to dark black, fine grained, massive, homogeneous, hard, non magnetic, altered, fractured. 80-85% Dark grey black pervasively carbonatized mesocumulate with 15-20% dark black weakly serpentine and carbonate altered adcumulate sections. Fracturing at 50-60 degrees to core axis with dark green-black serpentine fracture filling. Minor sections of broken core with an overall RQD of 80-85%. 2-3% White to grey-white serpentine and calcite stringers at 0-30 and 50 tca. A few rare very fine pyrrhotite disseminations. 404.00 408.50 Moderately carbonatized section with minor slips and broken core, 65% rqd. Gradual lower contact.														
421.50	423.70	KOMATIITIC PERIDOTITE GRAPHITIC															
		Dark black brown, aphanitic to fine grained, massive, homogeneous, hard, foliated. No reaction to HCl (?), weak patchy graphite altered with maybe some biotitic alteration. Good RQD of 95% with minor broken core. Rare very weak foliation at 40 degrees to core axis. Fracturing at 40 degrees to core axis with around 1-2mm graphite and serpentine on fractures. 1% Milky white calcite-carbonate stringers. No visible sulphide mineralization. Gradual lower contact.														

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(%) %
423.70	452.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate-adcumulate															
		(carbonatized).															
		Dark grey to dark black, fine grained, locally															
		massive, homogeneous, mottled, hard, non magnetic.															
		Pervasively carbonatized from weak to moderate.															
		Excellent RQD of 90-95%.															
		Fracturing at 70 degrees to core axis with minor															
		carbonate and serpentine fracture filling.															
		5% White-grey carbonate stringers from irregular to															
		a general orientation of 70 tca.															
452.00		END OF HOLE															

Date: 4 Dec, 2008 GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349318.00
Easting:	497613.00
Elevation:	294.60
Collar Azi.:	322.4
Collar Dip:	-50.6
Hole length:	509.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	September 11,2007
Purpose:	N/A
Core storage:	HASTING Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
17	321.5	-50.5
68	324.5	-50.8
119	325.3	-51.5
170	325.6	-52.2
221	328.8	-52.9
272	331.2	-53.1
323	332.2	-53.4
371	332.9	-53.5
422	336.1	-53.6
473	334.5	-53.2
509	337.0	-53.2

Drill Hole:	GCL7-25
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	25S
Easting:	25E
GPS Northing:	5349317.8
GPS Easting:	497613.01
Date Started:	September 10,2007
Date completed:	September 17,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	12.00	OVERBURDEN															
		14m Of nw casing.															
12.00	87.40	GRANODIORITE															
		Grey to dark grey, fine to medium grained, massive															
		very hard, non magnetic.															
		15-20% amphiboles, 10-15% quartz-plagioclase,															
		weakly porpheritic.															
		No reaction to HCl.															
		Good RQD 0f 80-85% with a few sections of broken															
		core.															
		Minor fracturing at generally 60 degrees to core															
		axis with a few at 30 degrees to core axis, rare															
		serpentine fracture filling with a few oxidized															
		fractures.															
		Trace-0.5% white, hairlike calcite stringers at 60															
		tca.															
		Rare specs of pyrite in matrix and along fractures.															
		20.90 21.10 White to clear-white barren quartz															
		vein, 40 and 50 degrees to core axis															
		contacts, nil sulphides.															
		30.00 35.00 Unit more pink-orange, potassic.															
		50.00 57.10 Scattered broken core with local															
		pink-range potassic sections.															
		68.00 71.80 Highly fractured and weakly oxidized															

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(%) %
		section of broken core, 0% RQD, patchy															
		potassic sections.															
		71.80 76.50 Miner fracturing with associated broken															
		core, 60% rqd.															
		Lower contact at 50 tca.															
87.40	91.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Light grey, fine grained, brecciated, hard, non															
		magnetic, altered.															
		Weakly serpentine ankerite altered with a few															
		patches of very weak calcite alteration.															
		Scattered sections of randomly oriented blades of															
		olivine spinifex, local brecciation.															
		Fracturing at 40-50 degrees to core axis with very															
		minor serpentine fracture filling.															
		90% RQD.															
		0.5% White calcite-serpentine stringers at 50 tca.															
		Nil sulphides.															
		Gradual lower contact.															
91.40	102.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to black, massive, homogeneous, hard, non															
		magnetic, altered.															
		Fracturing at 50-60 degrees to core axis with															
		serpentine-calcite fracture filling.															
		2-3% White and grey-white calcite-serpentine															
		stringers at various angles 20-30, 40 and 50-60 tca.															
		Nil sulphides.															
		Gradual lower contact.															
102.70	169.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, very fine grained, massive,															
		homogeneous, non magnetic, hard.															
		Non to weakly serpentine altered.															
		Minor fracturing at 50 degrees to core axis with															
		serpentine-calcite fracture filling.															
		1-3% White calcite-serpentine stringers at various															
		angles 30, 40 and 50 tca.															
		Trace pyrrhotite on fractures.															
		144.00 153.50 Minor sections of broken core,															
		locally brecciated with calcite and															
		some serpentine.															
		Gradual lower contact.															
169.70	196.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black to dark grey, fine grained, massive,															
		homogeneous, non magnetic, hard.															
		Patchy serpentine and ankerite (greyish sections).															
		Good RQD of 80-85% with a few sections of broken															
		core increasing in frequency with depth.															
		Fracturing at around 50 degrees to core axis with															

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(%) %
		serpentine and some calcite fracture filling.															
		2-3% Mostly white calcite stringers with a few green-white serpentine stringers at various angles 0-30 tca.															
		169.70 181.00 Adcumulate to mesocumulate section with trace scattered tiny oval po-pn blebs, dissemination and along stringers/fractures, locally 0.5%.															
		181.00 188.00 1-3% 2-3mm-1cm po-pn blebs with some patches and rare disseminations.															
		186.90 187.40 Broken core, low angle fractures, serpentine fracture filling, scattered blebs but percentage difficult to determine due to condition of core.															
		194.00 196.90 Broken core, 20% RQD, 60% recovery, weakly graphite altered, serpentine-graphite fracture filling, 0.5% pyrrhotite on fractures.															
		Gradual lower contact.															
196.90	200.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black to dark grey, fine grained, homogeneous, non magnetic, hard, brecciated.															
		Weakly serpentine-graphite altered.															
		Randomly oriented blades of dark green olivine spinifex, 2cm to 8-10cm.															
		Weak local breccia with serpentine healing.															
		Good RQD of 95%.															
		Fracturing at 65-75 degrees to core axis with serpentine and local graphite fracture filling.															
		Trace pyrrhotite on fractures.															
		Gradual lower contact.															
200.10	208.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to black, fine grained, massive, homogeneous, hard, non magnetic, altered.															
		Weakly serpentine.															
		Minor fracturing, good RQD 0f 80%.															
		0.5% White-green serpentine stringers at around 60 degrees to core axis.															
		Nil to trace po.															
		Gradual lower contact.															
208.80	243.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black green, fine grained, locally massive, amygdaloidal, brecciated, altered, non magnetic, hard.															
		Generally weakly serpentine altered with sections of weak to moderate graphite altered.															
		Good RQD of 75-80% with minor broken core generally															

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(%) %
		associated with graphitic fractures and altered sections.															
		0.5% White-grey serpentine-calcite stringers at 70 tca.															
		Trace-0.5% pyrrhotite with elevated blebby, patchy disseminated po-pn in graphitic sections.															
		208.80 219.20 Scattered po-pn blebs, patches, disseminations with mostly pyrrhotite on fractures, average 0.5% with maybe 1% locally. The section is also very graphitic with some local GRAPHITIC ARGILLITE but predominately graphitic altered with several sections of broken core associated with graphitic fractures.															
		220.60 240.70 15-20% dark green amygdules, from 2mm-1cm, sub rounded, minor broken core, trace po.															
		226.40 227.00 Minor section of KOMATIITIC PERIDOTITE GRAPHITIC with 1-2% po-pn blebs.															
		229.10 10.00 Inch section of KOMATIITIC PERIDOTITE GRAPHITIC with 2-3% pyrrhotite blebs.															
		240.70 243.20 Highly fractured (low angle), graphitic altered and fracture filled section with a few very minor GRAPHITIC ARGILLITE (10cm), 50% RQD, good recovery, 0.5% pyrrhotite along fractures.															
		Gradual lower contact.															
243.20	245.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Randomly oriented olivine spinifex (mm-cm blades) intermixed with graphitic healed micro fracturing, sub rounded grey altered fragments.															
		Pervasively graphite altered with patchy serpentine alteration.															
		Trace-0.5% pyrrhotite along fractures.															
		Gradual lower contact.															
245.50	272.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to blackish, fine grained, altered, brecciated, non magnetic, hard.															
		Patchy serpentine altered with minor graphite alteration associated locally with brecciation and fractured core.															
		Good RQD of 85%.															
		Fracturing at 40 and 70 degrees to core axis with minor serpentine and local graphite fracture filling.															
		0.5% Irregular grey-white serpentine stringers.															

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 pyrrhotite on fractures.															
		245.50 247.90 Micro fractured/fractured section with graphitic healing and fractures, same as previous KOMATIITIC SPINIFEX PERIDOTITE but with only minor spinifex observed at 251.1m.															
		264.30 264.60 Randomly oriented olivine spinifex.															
272.60	275.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green to grey mm-cm sized randomly oriented olivine spinifex grading to less random scattered 5-10cm sized spinifex with depth.															
		Excellent RQD of 95%.															
		Minor fracturing with serpentine and graphite fracture filling.															
		Nil to trace po.															
		Gradual lower contact.															
275.50	280.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black-grey, fine grained, brecciated, moderately hard, non magnetic, locally conductive.															
		No reaction to HCl, weak to moderately graphite altered locally, weak patchy serpentine.															
		Weak to moderately brecciated/micro fractured throughout with increasing intensity around 277.5m, brecciation/fracturing is healed with graphite and some serpentine.															
		Minor fracturing at various angles, but generally low angles with silver-black graphite and some serpentine filling.															
		Good RQD of 80% with a few very minor sections of broken core.															
		0.5% Dull brown-brassy pyrrhotite along fractures.															
		Gradual lower contact.															
280.40	284.50	GRAPHITIC ARGILLITE															
		Graphitic argillite with 30-40% inter mixed kpdm.															
		Dark black, fine grained, highly fractured, non magnetic, moderately hard, highly conductive.															
		Moderately graphite altered, no reaction to hcl.															
		Poorly RQD of 30-40%.															
		Highly fractured at low angles 0-30 degrees to core axis with 1-3mm graphite fracture filling.															
		1-2% Pyrite along fractures.															
		Trace-0.5% pyrrhotite on fractures.															
		35% Grey to green KOMATIITIC PERIDOTITE MESOCUMULATE, generally brecciated/fractured and serpentine-graphite altered.															
		Gradual lower contact.															
284.50	286.60	KOMATIITIC SPINIFEX PERIDOTITE															

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(%) %
		Dark grey to green, fine grained, hard, altered, non magnetic, fractured, brecciated. Weakly serpentine altered with patchy weak graphite. Fairly good RQD of 75-80% with a few minor sections of broken core (2-3 inches). Weakly fractured at 50 degrees to core axis with very weak local brecciation. Fracturing filled and brecciation healed with predominately serpentine and minor graphite. Dark green to grey slightly altered olivine spinifex, generally mm-cm sized, platy, random. Rare pyrrhotite on fractures. Lower contact at 45 tca.															
286.60	288.20	GRAPHITIC ARGILLITE															
		Dark black, fine grained, massive, highly fractured, non magnetic, moderately hard, highly conductive. Pervasively graphite altered with very weak calcite alteration. 60% RQD with sections of low angle, highly fractured core with 2-4mm silvery-black graphite on fractures. Rare brecciation with calcite-serpentine and graphite healing. Rare speck of pyrrhotite on fractures. Lower contact in broken core, roughly 50 tca.															
288.20	294.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Grey to dark grey, fine grained, locally amygdaloidal, fractured, brecciated, hard, non magnetic, mesocumulate. Scattered dark black platy olivine spinifex texture throughout, locally disguised by brecciation, fractured core and serpentine filled amygdules. 3-4% tiny 1-3mm sized to 1cm serpentine filled amygdules, spheres. Slightly graphitic for 2-3m at upper contact with a very weak pervasive serpentine alteration throughout rest of unit. 70% RQD with numerous minor sections of broken core. Local very weak serpentine haled breccia. Fracturing at 30, 40 and 50 degrees to core axis with serpentine fracture filling. Trace-0.5% white and green, serpentine and calcite stringers at low angles. Trace pyrrhotite on fractures. Gradual lower contact.															
294.80	301.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey with lighter grey sections, 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(%) %
		massive, homogeneous.															
		Weakly serpentine and ankerite altered.															
		Excellent RQD of 95%.															
		Fracturing at 40 degrees to core axis with															
		serpentine and occasionally carbonate fracture															
		filling.															
		2-3% White calcite-serpentine and carbonate															
		stringers at various angles 20-30 and 50 tca.															
		Nil sulphides.															
		Lower contact at 50 tca.															
301.10	304.80	INTERMEDIATE DYKE															
		Grey to green, medium grained, massive,															
		homogeneous, very hard, non magnetic.															
		No reaction to HCl.															
		Good RQD of 80% with rare broken core.															
		Fracturing at low angles 20-30 degrees to core axis															
		with dark green serpentine filled fractures.															
		Rare blotches/sub rounded quartz-calcite															
		phenocrysts.															
		0.5% White calcite-quartz stringers at 70 tca.															
		Nil sulphides.															
		Lower contact at 75 tca.															
304.80	319.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey with rare lighter grey sections, fine															
		grained, massive, homogeneous.															
		Weakly serpentine with weakly ankerite altered															
		lighter grey sections.															
		Excellent RQD of 95%.															
		Fracturing at 40 degrees to core axis with															
		serpentine and occasionally carbonate fracture															
		filling.															
		5% White calcite-serpentine and carbonate stringers															
		at various angles 20-30 and 50 tca.															
		Nil sulphides.															
		Lower contact at 55 tca.															
319.00	320.40	INTERMEDIATE DYKE															
		Dark grey, medium grained, massive, homogeneous,															
		very hard, non magnetic.															
		Patchy very weak calcite.															
		RQD of 85% minor broken core and fracturing at															
		30-50 degrees to core axis with serpentine fracture															
		filling.															
		No visible mineralization.															
		319.20 Dark black 0.2m KOMATIITIC PERIDOTITE															
		MESOCUMULATE section.															
		Sharp lower contact at 70 tca.															
320.40	342.70	KOMATIITIC PERIDOTITE MESOCUMULATE															

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(%) %
		Dark grey-green and black, fine grained, massive, homogeneous, amygdaloidal, locally altered. Weakly serpentine altered with weak to moderate light grey to green serpentine altered sections. Excellent RQD of 95%. Minor fracturing at 50 degrees to core axis with serpentine and some carbonate fracture filling. Nil to trace pyrrhotite with localized 0.5% po. 2-3% White calcite-serpentine stringers at 20-40 tca.															
		320.40 321.00 Light grey to green, moderately to highly altered, serpentine-ankerite, mesocumulate-orthocumulate.															
		321.00 322.80 Patchy light grey-dark grey serpentine-ankerite altered, mesocumulate, patchy brownish alteration (highly calcite altered.															
		327.90 0.5% yellow-brown pyrrhotite speck/bleb.															
		327.00 333.10 5% 3-4mm-1cm sub rounded serpentine filled amygdules with local blotches.															
		333.10 342.70 20-25% more moderately serpentine-ankerite altered, lighter greyish-green.															
		335.00 335.80 Grey to brown, moderately calcitic and biotitic, intermediate dyke or KOMATIITIC PERIDOTITE GRAPHITIC, contacts at 70 tca.															
		338.80 342.70 Possible poorly developed platy olivine spinifex textured, mm-cm sized.															
		Gradual lower contact.															
342.70	363.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green to black, fine grained, amygdaloidal, on magnetic, hard. Weakly serpentine altered with weak to moderate lighter greyish serpentine-ankerite altered. 5-15% Dark green serpentine filled amygdules increasing with depth. Excellent RQD of 95%. Minor fracturing at 60-70 degrees to core axis with a few at 20 degrees to core axis and serpentine fracture filling. 1-3% White calcite-serpentine stringers at various angles 30, 40 and 50 tca. Rare pyrrhotite on fractures.															
		349.40 351.60 Altered section with possible randomly oriented spinifex, grading from highly altered orthocumulate to weakly altered mesocumulate.															

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(%) %
		351.60 363.40 Patchy pistachio green serpentine altered with 20% serpentine filled amygdules.															
		Gradual lower contact.															
363.40	383.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Similar to previous unit but darker black and more of a typical adcumulate.															
		Dark black to dark green, fine grained, massive, homogeneous, amygdaloidal, hard, non magnetic.															
		Weakly serpentine altered with a few very minor pistachio green altered sections.															
		Scattered 1-5% serpentine filled amygdules.															
		Minor fracturing at 40-50 degrees to core axis with serpentine-calcite fracture filling.															
		Good RQD of 85-90% with a few sections of broken core.															
		2-4% White calcite-serpentine stringers at 20, 40 and 60 tca.															
		Gradual lower contact.															
383.30	388.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey to black, locally altered section with randomly oriented platy spinifex.															
		Weakly serpentine-ankerite altered.															
		1% Grey-white calcite stringers at 60-70 degrees to core axis.															
		No visible sulphide mineralization.															
		Excellent RQD of 95%.															
		386.00 3% serpentine filled blotches with 4-5cm dark green platy spinifex.															
		Gradual lower contact.															
388.40	464.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Similar to 363.4-383.3.															
		Dark grey to dark black, fine grained, massive, locally amygdaloidal, hard, non magnetic.															
		Weakly serpentine altered.															
		Scattered serpentine filled amygdules until around 402m.															
		Good RQD of 80-85% with localized broken core until around 406, 410 and 416m.															
		Fracturing at 30 and 70 degrees to core axis with around 2-3mm serpentine and/or calcite fracture filling.															
		2% White-grey calcite and/or serpentine stringers at various angle 30, 40, 60 and 75 tca.															
		Rare finely disseminate pyrrhotite associated with weak pistachio green serpentine alteration.															
		411.40 A few milky white quartz-carbonate stringers at 70 tca.															

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(%) %
		437.00 454.00 Unit becomes slightly greyish, weakly serpentine-carbonate altered (?), mesocumulate-adcumulate, trace-1% finely disseminated po.															
		455.00 464.20 Unit returns to being atypical dark black adcumulate with continued trace-0.5% finely disseminated po.															
		Sharp lower contact at 60 tca.															
464.20	465.20	INTERMEDIATE DYKE															
		Grey to brown, fine to medium grained, massive, homogeneous, leucoxinitic.															
		No reaction to HCl, locally bleached.															
		Excellent RQD of 95%.															
		No visible mineralization.															
		Sharp lower contact at 70 tca.															
465.20	472.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey to dark black, fine grained, massive, hard, non magnetic.															
		Weakly serpentine altered with a few minor sections of carbonate alteration.															
		3% White calcite stringers at 40 degrees to core axis with a few localized calcite-carbonate stringers at 60 tca.															
		Minor fracturing at 40 degrees to core axis with 2-3mm dark green serpentine filled fractures.															
		465.20 468.20 5-8% po-pn mineralization as 1cm blebs, patches and fine disseminations.															
		465.20 466.20 Broken core, 10-15% RQD, otherwise unit has an RQD of 80%.															
		468.20 472.70 1-3% po-pn mineralization as rare blebs, patches associated with stringers and variable fine disseminations.															
		Gradual lower contact.															
472.70	479.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black-grey, fine grained, massive, hard, non magnetic, fractured.															
		Weak patchy serpentine with a very weak to weak pervasive carbonate alteration.															
		Good RQD of 80-85% with a few sections of broken core.															
		2-3% White calcite-carbonate stringers/veinlets at generally 40 tca.															
		Minor fracturing with serpentine fracture filling and local graphitic fractures around 478.3m.															
		Mineralization consists of trace finely disseminated po-pn to 7-8% localized blebby-patchy															

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(%) %
		mineralization averaging overall between 3-5%.															
		Gradual lower contact.															
479.60	481.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green to grey, fine grained, altered, on															
		magnetic, hard.															
		Weakly serpentine altered.															
		4-5% Dark green randomly oriented olivine spinifex,															
		generally cm sized blades grading to mm-cm sized															
		platy spinifex.															
		Trace-0.5% disseminated po-pn.															
		Gradual lower contact.															
481.00	509.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey black, fine grained, massive, altered,															
		fractured, locally adcumulate, hard, non magnetic.															
		Weakly serpentine-carbonate altered with more															
		greyish sections being weak to moderately carbonate															
		altered.															
		Good RQD of 80-85% with a few minor sections of															
		broken core.															
		Fracturing at 70 degrees to core axis 2-4mm															
		serpentine and carbonate fracture filling.															
		4% White calcite, carbonate and locally quartz															
		stringers 50 tca.															
		Trace disseminated pyrrhotite, locally on fractures.															
		498.00 Unit becomes more adcumulate with a															
		few more mesocumulate sections.															
509.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349399.00
Easting:	497429.60
Elevation:	295.39
Collar Azi.:	325.0
Collar Dip:	-44.7
Hole length:	401.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	K. Montgomery
Date(s) logged:	SEPTEMBER 11,2007
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
20	324.9	-44.8
71	326.8	-45.4
122	330.5	-46.8
173	334.2	-46.4
224	336.7	-45.9
275	337.4	-46.7
326	338.4	-47.3
377	340.5	-47.9
401	341.0	-48.2

Drill Hole:	GCL7-24
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	1+54N
Easting:	0+75W
GPS Northing:	5349398.51
GPS Easting:	497429.65
Date Started:	SEPTEMBER 11,2007
Date completed:	SEPTEMBER 14,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	9.00	OVERBURDEN															
9.00	14.40	KOMATIITIC SPINIFEX PERIDOTITE 9.00 Metre of nw casing. Grey to light green, very fine grained, crackle brecciated, non-magnetic, peridotite (flow top breccia section). Local light green serpentinized sections of weak spinifex from 10-10.0 and 11.2-11.7 m. These spinifex sections contain 0.5% dark green serpentine amygdules. Higher intensity serpentine amygdaloidal (1-2%) sections occur at 9-10 and 13.7-14.4 m. Structure: moderate to strong fracturing rqd-30-40 overall with local sections of rqd-0. 12.50 13.70 70% core loss, rdq-0. Lower contact gradational.															
14.40	26.00	KOMATIITIC PERIDOTITE MESOCUMULATE Grey, very fine grained, homogenous, massive to locally, non-magnetic, crackle brecciated, mesocumulate peridotite (70-75% dark grey altered olivine cumulate in a white matrix). Structure: moderate to strong fracturing rqd-30-40, down to 23 m.															

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(%) %
		Min: trace to 0.5% very fine grained po-pn disseminations throughout.															
		23.00 26.00 Olivine cumulate content increase but still grey section, transitional phase.															
		Lower contact gradational.															
26.00	142.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey to blackish green, massive, homogenous, very fine grained adcumulate peridotite (95% tightly packed olivine).															
		It is cut by 0.5-1% white carbonate (+/- serpentine) filled fractures/stringers randomly oriented and dark green serpentine filled fractures.															
		Min: trace to locally 0.5% very fine grained po-pn disseminations throughout.															
		Structure: local fracturing causing blocky core, RQD though 95.															
		56.70 58.60 Small spinifex textured sections (10-30 cm long) that are pale green serpentinized.															
		64.05 64.20 White thin (1-5 mm) carbonate stringers.															
		78.10 83.00 2-3% black to dark green aphanitic serpentine amygdules (3-5 mm diameter). The upper portion (78.1-79.7 m) contains 4% white carbonate amygdules (1-2 mm diameter). The section also tends to have a higher matrix (up to 10%) content.															
		85.14 85.15 Pale green serpentine -carbonate veinlet (1 cm).															
		83.00 85.00 Same as 78.1-83 metre, but 1% amygdules.															
		83.50 89.50 2-3% greenish white serpentine-carbonate veinlets to stringers randomly oriented.															
		89.50 90.10 Pale green, serpentinized, very fine grained, mesocumulate, peridotite (60-65% green serpentinized olivine grains to fine laths, within a white pale green aphanitic matrix). Minor black adcumulate peridotite patches to angular blocks.															
		83.00 89.50 Min:0.5% brassy very fine grained dissem po-pn.															
		89.50 92.00 Min: trace to locally 0.5% very fine grained po-pn disseminations.															
		93.50 95.00 Blocky core due to strong fracturing, rqd-20.															
		94.70 97.90 15% white carbonate microfractures.															
		97.90 102.50 3-5% white carbonate filled fractures/stringers (2-5 mm).															
		100.32 100.35 White serpentine -carbonate vein (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(%) %
		cm), 25 to ca.															
		94.20 142.40 Alteration: weak pervasive serpentinization giving a greenish tinge to section. Local moderate to intense bands of serpentinization below 112 m.															
		107.20 113.20 Moderate to strong fracturing, rqd-20.															
		104.00 109.00 Adcumulate has a higher matrix content of 10-15%.															
		124.30 124.90 Pale green serpentine microfractures.															
		125.35 125.75 White to pale green, soft, friable, very fine grained serpentine -carbonate vein. Upper contact 40 to core axis and lower contact irregular.															
		125.75 128.35 White fine carbonate (serpentine) filled microfractures randomly oriented and intense(10-15%) from 125.75 to 127.2 metre causing crackle brecciation. Lesser 5% below 127.2 m.															
		128.35 128.65 White to pale green, soft, friable, very fine grained serpentine -carbonate vein. Upper contact 30 to core axis and lower contact 20 to ca.															
		Lower contact gradational.															
142.40	147.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Black speckled green, fine grained, massive, non-magnetic, mesocumulate peridotite. It is comprised of 55-60% black fine olivine cumulate grains to laths within a pale green aphanitic matrix.															
		Rare to very minor white carbonate filled fractures.															
		Structure: moderate fracturing RQD 60-70.															
		Lower contact gradational.															
147.40	160.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 26-142.4 m. Alteration: weak pervasive serpentinization.															
		It is cut by 2% white to pale green serpentine-carbonate veinlets (up to 1 cm) to microfractures (1 mm).															
		Structure: moderate fracturing RQD 60-75. Min: trace to 0.5% very finely disseminated po-pn.															
		Lower contact gradational.															
160.30	172.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 142.4-147.4 m.															
		It is cut by 1-2% white carbonate veinlets (up to 1 cm) to stringers.															
		Structure: weak fracturing RQD 80. Nil sulphides.															
		164.90 165.20 Weakly sheared section. Shearing 50															

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(%) %
		to ca.															
172.80	182.00	KOMATIITIC PERIDOTITE ORTHOCUMULATE															
		Pale green, very fine grained, strongly															
		serpentinized, non-magnetic, soft, massive															
		orthocumulate or spinifex textured komatiitic															
		peridotite.															
		It consists of 25-30% dark grey olivine cumulate															
		grains and possibly olivine needles in a pale green															
		carbonate-serpentine matrix.															
		The upper particularly (172.2-173 m) is intensely															
		serpentinized. Nil sulphides and rare white calcite															
		stringers.															
		Structure: moderate fracturing rqd-65 to 176.5															
		metre then weak fracturing RQD 85. Nil sulphides.															
		175.85 175.92 White quartz-calcite vein (5 cm), 50															
		to ca.															
		Lower contact gradational.															
182.00	182.70	KOMATIITIC SPINIFEX PERIDOTITE															
		Blackish green, olivine spinifex textured komatiite															
		consisting of 20-25% black olivine hopper laths at															
		the top (182-182.3 m) and then random needles in an															
		aphanitic serpentine matrix.															
		Lower margin typical bottom of a spinifex section															
		consisting of scattered angular blocks of															
		mesocumulate peridotite.															
		Lower contact gradational.															
182.70	192.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 142.4-147.4 metre, nil sulphides.															
		It is cut by 2-3% white carbonate veinlets (up to 1															
		cm) to stringers.															
		Structure: weak fracturing RQD 80.															
		183.70 183.75 10 cm dark black olivine spinifex															
		vein.															
		190.60 192.00 Alteration: moderate pervasive															
		carbonatization/talcose.															
		Lower contact sharp 45 to ca.															
192.20	194.10	INTERMEDIATE DYKE															
		Grey, non-magnetic, massive, homogenous, aphanitic															
		felsic to intermediate dyke.															
		It contains 5-7% dark green chlorite specks within															
		a homogenous aphanitic felsic matrix. A 5 cm patch															
		of fine grained brassy disseminated pyrite at															
		193.85 m.															
		Lower contact sharp 45 to ca.															
194.10	214.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey, mottled, massive, homogenous, very fine															

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(%) %
		grained, non-magnetic adcumulate peridotite (85-90% tightly packed olivine). It grades into a mesocumulate between 209 to 212 m. Alteration: mottled appearance due to diffuse pale green weak pervasive serpentinization throughout unit. This may be halos about serpentine-carbonate filled fractures.															
		195.40 198.00 Intense 30-35% white to pale green carbonate-serpentine veining/fractures altering the adcumulate.															
		198.90 199.60 Alteration weak to moderate serpentinization about a white carbonate vein (2 cm) at 15 to ca.															
		210.50 212.00 10-15% white vfg-fg irregular random carbonate veinlets to fractures (up to 1 cm).															
		212.00 214.40 Grey carbonatized soft non-magnetic mesocumulate.															
214.40	216.10	KOMATIITIC PERIDOTITE SHEARED															
		Pale green, black speckled, soft, serpentine and sheared peridotite. It may have originally been a mesocumulate peridotite. Alteration: strong serpentinization of olivine cumulate grains (60%). Structure: moderate shearing from 215.35 to 216.1m. Shear foliation 35 to ca.															
		214.40 215.20 Graphitic and serpentinized mesocumulate peridotite section.															
		215.20 215.35 Dark grey, soft, carbonatized, unsheared adcumulate peridotite block.															
		Lower contact sharp 10 to core axis but quite irregular.															
216.10	219.20	GABBRO															
		Same as 224.1-226. Structure: very competent rqd-95. Trace to 0.5% very fine grained disseminated pyrite throughout. Lower contact sharp 35 to core axis.															
219.20	224.10	KOMATIITIC PERIDOTITE SHEARED															
		Same as 214.4-216.1. Structure: strong shear foliation 50 to core axis at 219.5m, 40 to core axis at 221m.															
		223.50 224.00 Blocky core-rqd-0.															
		224.00 224.10 White very fine grained calcite vein upper contact 75 to core axis and lower contact 50 to ca.															
		Lower contact masked by calcite vein.															

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(%) %
224.10	226.60	GABBRO															
		Dark grey, fine grained, massive, homogenous, non-magnetic moderately soft, mafic intrusive possibly gabbro.															
		224.8-225.1 5% White calcite stringers.															
		Alteration: moderate pervasive calcite throughout.															
		Structure: weak fracturing rqd-85.															
		Intrusive consists of fine grained interlocked black to dark grey amphibole laths (50%) grey quartz and plagioclase (50%).															
		Lower contact sharp but indiscernible due to broken core.															
226.60	233.55	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 194.1-214.4m. Nil sulphides.															
		7% White carbonate veinlets.															
		Alteration: weak pervasive carbonatization.															
		226.60 227.00 Blocky core rqd-0 core lost.															
		227.00 233.40 Alteration: moderate to intense pervasive serp imparting light green coloration.															
		233.40 233.53 Light grey aphanitic serpentine-carbonate zone.															
		Lower contact sharp 35 to core axis.															
233.55	248.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey, white speckled vfg-fg, massive soft, carbonatized mesocumulate peridotite. It is comprised of 70-80% dark grey carbonatized olivine cumulate with white carbonate rich interstial aphanitic matrix.															
		Some sections talcose and local very fine grained adcumulate sections. It is cut by 10-5% white irregular very fine grained anastomosing carbonate veins to stringers. Intensity decreases downhole.															
		Structure: weak fracturing rqd-0.															
		233.55 235.00 Alteration: intense pervasive serpentinization.															
		240.30 241.60 Minor 1% very fine grained brown to brassy pyrrhotite and pyrite disseminates in a light grey aphanitic carbonatized adcumulate-mesocumulate section.:.															
		Lower contact gradational.															
248.90	255.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Light green, serpentinized olivine spinifex textured komatiite. It consists of 15% black olivine needles randomly oriented and 20-25% very fine black olivine cumulate grains/laths within a															

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(%) %
		pale green serpentine rich matrix.															
		Very minor calcite filled tension gashes/fractures.															
		248.90 249.80 Orthocumulate section- 25-30% olivine cumulate non-spinifex.															
		254.60 255.50 Min: 0.5% very fine grained disseminated pyrrhotite.															
		254.60 255.90 Dark grey, non serpentinized section, fine random spinifex with minor mesocumulate blocks at lower margin.															
		Lower contact gradational.															
255.90	270.95	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 233.55 to 248.9m, including veining.															
		Structure: moderate fracturing rqd-60-70.															
		Locally mottled with green patches of serpentinization about fractures nil sulphides.															
		Lower contact 40 to core axis.															
270.95	275.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Same as 248.9-255.9m. Nil sulphides.															
		Structure: competent rqd-90.															
		270.95 271.50 Weakly crackle brecciated possibly flow top breccia (non-spinifex section).															
		Lower contact gradational.															
275.80	280.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 233.5-248.9 mottled, greenish grey.															
		Alteration: moderate pervasive serpentinization and carbonatization.															
		Local contact gradational.															
		275.80 275.85 White quartz carbonate vein (2.5cm), 35 to core axis.															
		278.55 278.62 Same as above (3 cm), 20 to ca.															
		Lower contact gradational.															
280.30	318.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey, mottled (same description as 194.1-214.1).															
		It is cut by 1-2% white carbonate- serpentine veinlets.															
		Alteration: mottling due to green serpentinization halos about microfractures (not the white carbonate veinlets/stringers).															
		Min: very local trace very fine grained pyrrhotite disseminations.															
		303.50 304.50 Min: 0.5% very fine grained brown disseminated pyrrhotite.															
		307.37 307.40 White to pale green very fine grained serpentine-carbonate vein (3 cm), 50 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(%) %
		307.90 307.95 Same as above, 5 cm wide, 55 to ca.															
		316.00 318.10 Alteration: grey bleached soft section of intense pervasive carbonatization.															
		Lower contact sharp 45 to ca.															
318.10	319.20	GRAPHITIC ARGILLITE															
		Black, very fine grained, weakly foliated to massive, graphitic argillite.															
		Local blocky core/gouge sections at 318.45-318.6 and 318.85-319 m.															
		Lower contact 40 to core axis.															
319.20	323.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Light grey, vfg-aphanitic, massive, homogenous, soft, carbonatized mesocumulate peridotite.															
		It has weak fine white carbonate microfractures throughout and very minor black graphite fracture slips.															
		Structure: weak foliation, 40 to ca.															
		Lower contact sharp but indiscernible due to blocky core.															
323.00	326.50	GRAPHITIC ARGILLITE															
		Same as 318.1-319.2 m. Weak foliation at 325.5 m.															
		323.00 325.70 5% swirling irregular white calcite stringers and blocky core rqd-40 due to low angle fractures.															
		Lower contact gradational.															
326.50	336.10	KOMATIITIC PERIDOTITE GRAPHITIC															
		Black to grey, vfg-aphanitic, soft, homogenous, graphitic and biotitic, massive adcumulate peridotite flow.															
		It is comprised of olivine-graphite-biotite and 5-10% white matrix.															
		Structure: competent rqd-95. Nil sulphides.															
		Alteration: weak pervasive calcite.															
		Lower contact sharp 30 to ca.															
336.10	343.40	KOMATIITIC PERIDOTITE GRAPHITIC															
		Black, white speckled, fine grained, soft, massive, homogenous, biotitic, massive mesocumulate peridotite flow with minor graphite.															
		It consists of 65% olivine and biotite phenocrysts in a white matrix with minor graphite.															
		Structure: competent rqd-95. Nil sulphides.															
		Alteration: weak pervasive calcite.															
		Lower contact sharp 40 to ca.															
343.40	395.50	KOMATIITIC PERIDOTITE MESOCUMULATE															

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(%) %
		Dark grey, very soft, vfg-aphanitic, massive, carbonatized mesocumulate peridotite (75-80% dark grey olivine cumulate). Below 353.5 metre, intense (15-20%) white carbonate-serpentine anastomosing veinlets to veins throughout. Structure: local weak foliation: 347 metre 45 to core axis, 353.2 40 to core axis, 380.3 and 383.3 metre 45 to ca. Weak fracturing rqd-85.														
		352.40 353.00 Blackish green, serpentinized massive, homogenous, very fine grained adcumulate peridotite (95% tightly packed olivine).														
		372.05 372.20 White very fine grained carbonate vein (4 cm), 20 to core axis.														
		379.30 381.00 Weakly sheared section.														
		384.00 389.00 Local blocky core section, rqd-50 overall.														
		390.00 395.50 Weak to moderate shearing, 45 to ca. Lower contact sharp, 70 to ca.														
395.50	401.00	FELDSPAR PORPHYRY Grey, homogenous, moderately hard, massive feldspar porphyry. The porphyry is comprised of 30-35% white plagioclase phenocrysts (5 mm in size) within a grey aphanitic felsic matrix. Structure: massive, RQD 100. Very rare white quartz-calcite stringers/veinlets.														
401.00		END OF HOLE														

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349368.00
Easting:	497637.90
Elevation:	294.28
Collar Azi.:	328.6
Collar Dip:	-45.0
Hole length:	410.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	September 7,2007
Purpose:	N/A
Core storage:	Hasting Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
50	325.6	-45.1
101	328.3	-45.8
152	329.0	-45.8
200	330.4	-46.2
251	331.2	-46.5
302	333.5	-46.9
350	334.7	-46.6

Drill Hole:	GCL7-23
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	0
Easting:	25E
GPS Northing:	5349367.49
GPS Easting:	497637.9
Date Started:	August 30,2007
Date completed:	September 7,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	23.20	OVERBURDEN															
		Casing to 24m.															
23.20	114.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic, fractured, locally altered grey. Weakly serpentine altered with a few light grey to grey due to a very weak ankerite alteration. RQD of 80% with a scattered sections of broken core. Fracturing at various angles but generally at 50 degrees to core axis with 2-5mm serpentine-calcite fracture filling. Various angles of calcite-serpentine stringers 0-30, 40 and 50 tca. Trace pyrrhotite on fractures with 0.5% pyrrhotite associated with stringer at 26.9m.															
		23.20 26.00 Broken core 60% RQD, local oxidized fractures, altered light grey, nil sulphide.															
		56.00 68.00 Elevated fracturing and broken core giving section an RQD of 65-70%.															
		80.00 93.40 Mineralized adcumulate-mesocumulate section with trace to 1.5% po-pn patches, blebs and disseminations.															
		93.40 94.50 Altered light greyish-green, possible															

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(%) %
		spinifex, local oxidation, 1-2% sulphide mineralization as blebs, disseminations and along fractures/stringers.															
		94.50 98.00 Section of broken core with 0-20% RQD, mix of highly fractured core, local faulting with minor gouge and mechanical breaking due to general rock weakness, nil sulphides.															
		98.00 104.00 More greyish to black section, mesocumulate-adcumulate, nil sulphides.															
		104.00 114.00 Patchy pistachio green serpentine alteration.															
		Gradual lower contact.															
114.00	117.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Very faint randomly oriented dark black spinifex set in dark black-grey matrix, generally blades cm sized.															
		Patchy pistachio green serpentine alteration.															
		0.5% Scattered po-pn disseminations.															
		Gradual lower contact.															
117.00	155.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic, fractured, locally altered grey.															
		Weakly serpentine altered with patches of stronger pistachio green alteration, local greyish green alteration is mix of weak ankerite-serpentine.															
		Good overall RQD of 85% with local sections of broken core.															
		Fracturing at generally at 60 degrees to core axis with predominately serpentine fracture filling and occasionally calcite and carbonate.															
		3-5% White to white-green serpentine, calcite and serpentine-calcite stringers at 30 and 70 tca.															
		Rare dusting of very finely disseminated pyrrhotite with localized association with pistachio green serpentine alteration.															
		131.00 137.00 Greyish-green, mesocumulate, serpentine-ankerite altered, nil sulphides.															
		143.00 151.00 Generally trace-0.5% finely disseminated pyrrhotite with maybe at best 1% pyrrhotite locally.															
		Gradual lower contact.															
155.20	158.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black-grey section, fine grained, hard, non magnetic.															
		Good RQD of 90%.															

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 spinifex occurs as randomly oriented cm sized blades that are very difficult to distinguish due to dark grey-black matrix. Trace with sections of 0.5%-1% disseminated po. Gradual lower contact.															
158.80	176.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black with a few dark grey sections, fine grained, massive, homogeneous, hard, non magnetic. Weakly serpentine altered. Good RQD of 90%. Fracturing at 30, 50 and 75 degrees to core axis with serpentine-calcite fracture filling. 3-4% Calcite-serpentine stringers at various angles but generally parallel to fracturing. Nil to trace po. 174.30 175.00 1-2% po-pn disseminations. Sharp lower contact at 20 tca.															
176.10	187.70	INTERMEDIATE DYKE															
		Dark grey-brown, medium grained, massive, homogeneous, hard with a few very hard sections, non magnetic. Weakly calcite altered with patches of moderate alteration, scattered silicified sections in proximity to stringers/veins. Good RQD of 80-85% with scattered broken core, minor faulting. Fracturing at 30 and 50 degrees to core axis with 2-4mm dark green serpentine fracture filling. 1% Calcite-quartz stringers at various low angles and scattered 3-7cm quartz-calcite veinlets at 70 tca. No visible sulphide mineralization. 185.30 185.70 Altered section of peridotite. Lower contact at 20 tca.															
187.70	213.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black-grey, fine grained, massive, homogeneous, hard, non magnetic. No reaction to HCl, weakly serpentine altered. Good RQD of 85-90% with rare sections of broken core. Minor fracturing at 45 and 60 degrees to core axis with very minor serpentine-calcite fracture filling. 3-5% Serpentine-calcite stringers at various angles but generally 40-50 degrees to core axis, scattered quartz-calcite-serpentine veinlets at 50 tca. 193.00 196.60 Greyish section, scattered tiny serpentine amygdules, minor sections of spinifex texture (?), 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(%) %
		pyrrhotite disseminations, local section of weak 50 degrees to core axis foliation.															
		Lower contact at 50 tca.															
213.60	217.60	FELSIC INTRUSIVE (UNDIFFERENTIATED)															
		Orange to grey, coarse grained, massive, homogeneous, spotted, very hard, non magnetic.															
		No reaction to hcl.															
		Fractured/ broken unit with RQD of 40%, dark black serpentine fracture filling.															
		No visible sulphide mineralization.															
		Lower contact at 20 tca.															
217.60	235.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to dark grey-black, fine grained, massive, moderately hard, rare patches of magnetism.															
		Grey- greyish sections are carbonate-ankerite altered with dark blackish sections being serpentine and locally graphite altered.															
		Core condition is fairly good except for sections of broken core associated with graphitic fractures/alteration, giving unit an RQD of 75-80%.															
		Minor fracturing at 40 and 60 degrees to core axis with serpentine-calcite and locally silver-black graphite fracture filling.															
		Trace pyrrhotite associated with serpentine stringers and along fractures.															
		4% Calcite-carbonate and serpentine stringers at various angles but generally 30and 55 degrees to core axis.															
		229.50 230.00 Graphitic, broken core, 0% rqd.															
		Gradual lower contact.															
235.60	243.00	KOMATIITIC PERIDOTITE GRAPHITIC															
		Dark brown-grey, fine to medium grained, massive, hard, non magnetic.															
		Graphitic and calcite altered.															
		Good RQD of 90%.															
		1% White calcite stringers at 20-25 tca.															
		Minor fracturing at 30-40tca with minor serpentine and graphite fracture filling.															
		Patchy weak foliation at 30-40 tca.															
		Nil sulphides.															
		242.24 243.00 Minor faulted sections, visible gouge, 0% rqd.															
		Gradual lower contact.															
243.00	252.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to dark grey-black, fine grained, massive, homogeneous, moderately hard, rare magnetism.															

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-ankerite altered.															
		95% RQD with minor fracturing and no broken core.															
		1-3% Irregular carbonate-serpentine stringers with															
		a few stringers at 75 degrees to core axis,															
		generally quartz-carbonate.															
		Nil sulphides.															
		252.10 5cm graphitic fault.															
		Gradual lower contact.															
252.50	282.80	KOMATIITIC PERIDOTITE GRAPHITIC															
		Same as 235.6-243m.															
		Dark brown-grey, fine to medium grained, massive,															
		hard, non magnetic, slight local conductivity.															
		Alternating sections of pervasive calcite (brown															
		color) and graphite (black).															
		Good RQD of 85%.															
		Minor fracturing at low angles with															
		graphite-serpentine and calcite fracture filling.															
		Patchy poorly developed foliation and brecciation.															
		No visible sulphide mineralization.															
		1-2% White calcite stringers at 40and 75 tca.															
		Lower contact at 60 tca.															
282.80	307.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark greyish-black, fine grained, massive,															
		homogeneous, non magnetic, hard.															
		Weakly serpentine altered with scattered															
		weak-moderate altered greyish sections.															
		Good RQD 65-75 degrees to core axis with															
		serpentine-calcite fracture filling.															
		3-5% White calcite, serpentine-calcite stringers at															
		40, 60 and 70 tca.															
		No visible sulphide mineralization.															
		300.00 306.40 Gradual change to a greyish															
		mesocumulate-adcumulate.															
		306.40 307.10 Grey to black section with patchy															
		graphite alteration and very minor															
		graphitic fractures.															
		Gradual lower contact.															
307.10	307.80	GRAPHITIC ARGILLITE															
		Dark black, very fine grained, massive, highly															
		fractured, non magnetic, moderately hard, highly															
		conductive.															
		Moderately calcite-graphite altered.															
		0% RQD due to highly fractured core at 50 degrees															
		to core axis with 1-3mm of bright silvery graphite															
		fracture filling.															
		A few scattered specks of po-py.															
		Lower contact at 50 tca.															

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(%) %
307.80	311.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to black, fine grained, massive,															
		moderately hard, non magnetic, minor conductive															
		graphitic sections.															
		Weakly graphite and serpentine altered.															
		Minor fracturing at 50-60 degrees to core axis with															
		dark black-silver graphitic fractures.															
		Trace po-py.															
		Gradual lower contact.															
311.00	312.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Minor section of mm to cm sized grey/black platy,															
		randomly oriented olivine spinifex texture set in															
		KOMATIITIC PERIDOTITE MESOCUMULATE matrix.															
		0.5% Finely disseminated pyrrhotite associated with															
		spinifex.															
		Gradual lower contact.															
312.00	323.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to black, fine grained, massive,															
		moderately hard, non magnetic.															
		Weakly serpentine-ankerite altered.															
		2-3% Grey hairlike carbonate stringers at 50															
		degrees to core axis with 0.5% white															
		quartz-carbonate stringers at 50-60 degrees to core															
		axis.															
		Minor fracturing at 50-60 degrees to core axis with															
		dark green serpentine fracture filling.															
		Nil sulphides.															
		322.40 323.50 Darker grey to black with a weak															
		graphite alteration, patchy very weak															
		conductivity.															
		Gradual lower contact.															
323.50	326.40	GRAPHITIC ARGILLITE															
		Dark black, fine grained, highly fractured, non															
		magnetic, highly conductive, moderately soft-hard,															
		0% RQD.															
		20% Intermixed peridotite within unit.															
		Calcite-graphite altered.															
		Poorly recovery of around 30%.															
		0% RQD due to low angle graphitic fractures, mostly															
		ruble.															
		Trace orange-yellow pyrite associated with															
		fractures/stringers.															
		Lower contact at 20 tca.															
326.40	360.60	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey-green, fine grained, locally brecciated,															
		altered, non magnetic, non conductive.															
		Weakly serpentine altered with minor dark grey to															

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 graphite altered sections.															
		Minor fracturing at 40 and 70 degrees to core axis															
		with dark green serpentine fracture filling.															
		0.5% White calcite stringers at low angles.															
		0.5% Yellow-brown pyrite, locally disseminated and															
		associated with stringers.															
		326.40 330.40 Scattered pods of poorly developed															
		spinifex disguised by a weak															
		brecciation.															
		326.70 A few light brown silicified volcanic															
		sub angular fragments up to 4cm.															
		330.40 335.40 Mm-cm sized randomly oriented olivine															
		spinifex.															
		335.40 337.70 Altered pale green-green section with															
		randomly oriented platy/stubby dark															
		green olivine spinifex.															
		337.70 347.00 Dark green-black section with															
		scattered mm-cm sized olivine															
		spinifex and variable graphitic															
		alteration, locally brecciated.															
		340.40 341.30 Several angular grey-brown mafic															
		volcanic blocks. Blocks are weakly															
		calcite altered, fine grained, very															
		hard, non magnetic, felsic, range in															
		sized from 3-4cm slivers to 30cm															
		blocks.															
		347.00 348.50 Mafic volcanic block, fine grained,															
		non magnetic, very hard, silicified,															
		calcite altered, 10% sub rounded to															
		sub angular patches of biotite															
		alteration with local more pervasive															
		alteration, trace pyrite, non															
		magnetic, contacts at 60 and 80 tca.															
		348.50 360.60 More intensely graphitic-calcite															
		altered section with generally low															
		angle, around 30 degrees to core axis															
		dark black olivine spinifex,															
		platy-stubby, local blades, 6-10 cm															
		sized, trace disseminated pyrite.															
		Gradual lower contact.															
360.60	367.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Grey-brown-black, fine-medium grained, massive,															
		altered, pitted look (orthocumulate), hard, non															
		magnetic.															
		Highly calcite altered and weakly graphite altered															
		with brownish biotite locally replacing olivine															
		spinifex.															
		Platy-stubby mm-cm sized randomly oriented															
		olivine/biotite spinifex texture.															
		Trace pyrite along calcite stringers.															

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(%) %
		A few irregular calcite stringers.															
		Good RQD of 90% with minor serpentine filled fractures.															
		Gradual lower contact.															
367.20	408.00	KOMATIITIC PERIDOTITE GRAPHITIC															
		Dark brown black, fine to medium grained, massive, homogeneous, moderately hard, non conductive.															
		Weak pervasive graphite, locally moderate, moderate calcite alteration, patchy weak biotite.															
		Excellent RQD of 95% with minor fracturing at 20, 50 and 60 degrees to core axis, minor serpentine and graphite fracture filling.															
		1-2% Calcite stringers at 20-30 degrees to core axis															
		Rare disseminated pyrite and locally associated with stringers.															
		391.00 402.00 Patchy graphite-biotite alteration with least altered sections, maybe 25% are grey to green, pitted to vuggy, pyroxenite.															
		402.00 408.00 Grey to green generally unaltered section, massive, scattered mineralization, probable pyroxenite.															
		407.10 407.60 Dark black, highly graphitic section, silver-black graphite on fractures.															
408.00	410.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to black, massive, fine grained, massive, altered, non magnetic, moderately hard.															
		Weakly carbonate altered.															
		Good RQD of 95% with a weak 60 degrees to core axis foliation.															
		0.5% Grey hairlike carbonate stringers at 60 tca.															
		Nil sulphides.															
410.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349318.00
Easting:	497489.40
Elevation:	294.89
Collar Azi.:	325.0
Collar Dip:	-45.0
Hole length:	425.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	K. Montgomery
Date(s) logged:	Sept.5, 2007
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
20	325.6	-44.4
71	328.0	-44.4
122	330.2	-44.6
173	332.9	-44.9
224	334.4	-45.4
275	336.8	-45.8
326	339.0	-46.2
377	343.8	-46.1
425	342.9	-46.1

Drill Hole:	GCL7-22
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	50N
Easting:	75W
GPS Northing:	5349317.52
GPS Easting:	497489.43
Date Started:	Sept.4, 2007
Date completed:	Sept.10, 2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	12.40	OVERBURDEN															
		12.00 Metre of nw casing.															
12.40	25.20	GABBRO															
		Green, fine grained to coarse grained, massive, homogenous, non-magnetic, gabbro intrusive. The intrusive is coarse grained from 12.4 to 14.3m and 19.7 to 25.2 m.															
		Central core is fg. Local coarse amphibole needles at 21.5 m. Minor calcite alteration and weak fracturing rqd-80.															
		17.00 20.00 0.3 metre core loss and blocky core from 17.4 to 18.8 m.															
		24.20 25.20 Blocky core rqd-0 and seam at the lower contact.															
		Lower contact sharp but indiscernible due to fracturing.															
25.20	150.30	GRANODIORITE															
		Grey, very fine grained, hard, feldspar porphyritic, moderately fractured, homogenous granodiorite intrusive.															
		It contains 10-12% white medium grained (3-5 mm) subrounded plagioclase and 10-15% black vfg-fg biotitic amphibole phenocrysts within a very fine															

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(%) %
		grained felsic matrix.															
		The granodiorite also contains local dark green															
		chloritized amphibole clots. Rare white quartz and															
		white calcite stringers to veinlets.															
		Trace brassy disseminated pyrite.															
		Structure: moderate fracturing rqd-70 till 106 m.															
		Afterwards weak fracturing till end of unit, rqd-90.															
		25.20 25.90 Blocky core rqd-0.															
		37.00 42.50 Moderate to strongly fractured section															
		rqd-30 to 40. Some fracture surface															
		iron oxidized.															
		50.45 50.70 Dark green, very fine grained mafic															
		dyke.															
		78.00 82.80 Vfg-fg, non porphyritic homogenous															
		section.															
		81.00 82.80 Blocky core, very fine micro fracturing															
		some in filled with calcite and iron															
		oxide.															
		85.50 86.50 Blocky core due to strong fracturing															
		rqd-20.															
		98.00 108.20 Non porphyritic homogenous section															
		same as 78-82.8 m.															
		Lower contact sharp possibly 15 to ca.															
150.30	154.90	KOMATIITIC PERIDOTITE BRECCIA															
		Darkish green, mottled, weakly crackle brecciated															
		mesocumulate peridotite. The crackle brecciation is															
		caused by 10% very fine black microfractures.															
		The upper particularly to 151.2 metre is graphite															
		rich with black massive graphite zone at contact															
		(150.3-151.5 m) and a brecciated graphite band															
		(151.05-151.2 m).															
		150.30 151.70 Core loss of 1.1 metre (80%).															
		151.20 151.40 Sheared section, shearing 35 to ca.															
		151.40 151.90 Massive greenish grey homogenous															
		section possibly mafic dyke as trace															
		leucoxene specks present.															
		Possible lower flow contact at 45 to ca.															
154.90	158.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Light grey to white, very fine grained, massive,															
		homogenous mesocumulate peridotite (75% black fine															
		olivine cumulate in mutual contact and surrounded															
		by white aphanitic matrix).															
		Competent section rqd-95.															
		Lower contact gradational.															
158.00	185.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Black, very fine grained, homogeneous, massive,															
		non-magnetic, adcumulate peridotite (80-85% fine															
		black olivine cumulate grains tightly packed).															

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(%) %
		Local mesocumulate patches. The peridotite is cut by white fine (1-3 mm) irregular carbonate-serpentine veinlets. Also dark green aphanitic serpentine veinlets are also present. Structure: rare fracturing rqd-95. Below 180 metre, fine black graphite filled microfractures. Lower contact sharp 20 to ca.															
185.00	186.40	GRAPHITIC ARGILLITE															
		Black, aphanitic, sulphidic, vuggy, graphitic argillite unit. It contains 15% brassy very fine grained pyrite blebs to blobs (up to 2x3 cm size). Lower contact sharp 35 to ca.															
186.40	192.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 158-185 metre, cut by very minor graphite filled microfractures. 191.25 191.35 Graphite band. Lower contact gradational.															
192.10	201.10	KOMATIITIC PERIDOTITE BRECCIA															
		Light green, very fine grained, massive, non-magnetic, crackle brecciated, serpentinized mesocumulate peridotite. It is comprised of 65-70% dark grey olivine cumulate within a serpentinized matrix. The crackle brecciation is a result of 5-7% black anastomosing serpentine or graphite in filled fractures. Nil sulphides. Rqd-90. Lower contact gradational and masked by a flooding of white carbonate-serp veinlets/stringer 15 to ca.															
201.10	205.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark blackish green, non-magnetic, olivine spinifex komatiite. This spinifex consists of 20% white carbonate laths (relic olivine) within a dark green aphanitic serpentine? matrix. 201.10 205.00 1% scattered black to dark green serpentine amygdules (3-5 mm diameter). Lower contact gradational.															
205.00	216.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Blackish green to light green, massive, non-magnetic, homogenous mesocumulate peridotite. Structure: moderate fracturing rqd-60. Trace very fine grained brown pyrrhotite disseminations. 208.40 208.80 Light green orthocumulate section (40% black fine olivine cumulate in a white glassy matrix). 209.40 209.95 0.5-1% black to dark green serpentine															

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(%) %
		amygdules.															
		209.95 210.20 Kosx- black fine grained hopper olivine laths (40%) randomly oriented.															
		212.00 216.80 Weak crackle brecciation due to anastomosing dark green aphanitic serpentine micro fracturing.															
216.80	218.70	KOMATIITIC SPINIFEX PERIDOTITE															
		Light blackish green, olivine spinifex komatiite comprised of 20% black olivine stubby blades randomly oriented (local chicken scratch texture) in a light green aphanitic serpentinized matrix.															
		Lower contact gradational.															
218.70	260.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Green, fine grained, massive, non-magnetic, homogenous mesocumulate peridotite (70-75% black fine olivine cumulate in a white aphanitic matrix). Structure: weak fracturing rqd-80 mostly at low angles to the ca.															
		The unit is cut by 2-3% white irregular carbonate veinlets and stringers starting at 220 metre down hole.															
		224.80 225.00 White very fine grained quartz vein with minor calcite. Wavy contacts: uc 25 to core axis and lost core 30 to ca.															
		225.00 227.00 Min: traces brassy po-pn.															
		230.70 238.30 Alteration: light green moderate pervasive serpentinization throughout.															
		238.90 243.00 1-2% black to dark green serpentine amygdules, rare ones contain fine sulphide disseminations.															
		249.60 251.00 Min: 0.5% very fine grained brassy po-pn disseminations and a bleb (5 mm) at 249.9 m.															
		251.00 253.50 Min: trace brassy po-pn.															
		257.00 258.50 Alteration: serpentinization of matrix. Matrix 40-50% of section.															
		257.00 257.50 Min: 1% very fine grained brown pyrrhotite disseminations.															
		257.50 258.50 Min: 0.5%, same as above.															
		258.85 259.00 Pale green to white serpentine-calcite vein. Uc 35 to core axis and lost core 15 to ca.															
		Lower contact gradational.															
260.00	265.30	KOMATIITIC SPINIFEX PERIDOTITE															
		This section is subdivided as follows:.															
		260.00 261.80 Black olivine spinifex komatiite same as 201.1-205 m.															

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(%) %
		261.80 262.30 Breccia zone- 50% angular dark green peridotite fragments (cm size) enveloped by light green aphanitic serpentine.															
		262.30 263.50 Black speckled light green, fine grained, massive, mesocumulate to orthocumulate peridotite (60-50% black olivine cumulate grains within a pale green aphanitic matrix).															
		263.50 265.30 Light green olivine spinifex komatiite- 15% black olivine long needles in a random orientation and 30% fine black olivine grains in a serpentinized aphanitic matrix.															
		Lower contact gradational.															
265.30	273.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Blackish green, same as 218.7-260 m.															
		Intense white carbonate filled fracturing (15-20%) throughout and randomly oriented. Rqd-80.															
		267.10 272.40 1-2% scattered black to dark green serpentine amygdules (3-5 mm diameter).															
		Lower contact gradational.															
273.80	275.30	KOMATIITIC SPINIFEX PERIDOTITE															
		Same as 201.1 t0 205 m. Nil sulphides.															
		Lower contact gradational.															
275.30	289.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey, soft, non-magnetic, massive, homogenous, adcumulate peridotite.															
		Alteration: weak to moderate pervasive carbonatization.															
		It is cut by 2-3% white carbonate (+/- serpentine) veinlets randomly oriented.															
		Structure: weak fracturing rqd-80.															
		281.30 281.70 Alteration: pale green intense pervasive serpentinization.															
		283.00 283.10 Same as above.															
		Lower contact gradational.															
289.20	295.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey, white speckled, soft, non-magnetic, amygdaloidal mesocumulate peridotite (75% black fine olivine cumulate in a white aphanitic matrix).															
		Also 1-2% black to dark green serpentine amygdules throughout with fine sulphide disseminations along amygdule rims.															
		Alteration to weak-moderate pervasive carbonatization. Very minor (<1%) white carbonate															

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.															
		294.05 294.15 Blackish green aphanitic adcumulate peridotite.															
		Lower contact sharp 35 to ca.															
295.50	307.63	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 275.3 to 289.2 m. 1% white carbonate stringers/veinlets. Nil sulphides.															
		302.90 303.30 Light green serpentinized mesocumulate peridotite.															
		303.30 303.45 Sheared adcumulate section, shearing 40 to ca.															
		303.45 304.10 Alteration: white speckled to blotchy carbonate-serpentine.															
		304.10 304.70 Dark grey to black mesocumulate peridotite.															
		304.70 305.00 Chicken scratch olivine spinifex.															
		305.00 305.30 Same as 304.1 to 304.7 m.															
		Lower contact sharp 35 to ca.															
307.63	311.10	INTERMEDIATE DYKE															
		Grey, vfg-aphanitic, hard, very homogenous, massive felsic to intermediate intrusive.															
		Lower contact sharp but indiscernible due to fracturing.															
311.10	315.45	GABBRO															
		Greenish grey, non-magnetic, homogenous, quartz gabbro (25% dark green chloritic amphibole specks interlocked with quartz and feldspar phenocrysts.															
		It may in particularly be the same as 307.6-311.1 but more mafic.															
		Structure: strong to moderately fracturing rqd-30.															
		Lower contact sharp 50 to ca.															
315.45	342.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 275.3 to 289.2 m. It consists of dark grey carbonatized olivine cumulate grains in mutual contact with 10-15% white aphanitic matrix interstial to the olivine.															
		Structure: weak fracturing RQD 90-95, except from 317.8-324.2 m.															
		315.60 316.00 Alteration: pale green intense pervasive serpentinization.															
		316.50 317.55 Same as above.															
		317.80 324.20 Moderate fracturing and low angle to core axis pale green serpentine microfractures resulting in rqd-40.															
		323.00 333.00 It is cut by 2-3% white carbonate (+/- serpentine) veinlets to stringers randomly oriented.															

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 gradational.															
342.40	347.80	KOMATIITIC PERIDOTITE MESOCUMULATE Light grey, very fine grained, massive, non-magnetic, homogenous mesocumulate peridotite (70% olivine cumulate in a white aphanitic matrix). Structure: competent rqd-95. The unit is cut by 2% white irregular random carbonate veinlets to stringers. Nil sulphides except 344.95-345.15 metre 1% very fine grained brown pyrrhotite disseminations. 347.35 347.55 Black graphite crackle breccia (flow top) section. Lower contact sharp 85 to ca.															
347.80	348.75	GRAPHITIC ARGILLITE Same as 185-186.4 m. Very minor calcite microfractures. 348.20 348.60 Min: 40% very fine grained brassy po-py wispy stringers 10 to 15 to ca. Lower contact gradational into crackle breccia (flow top breccia).															
348.75	353.60	KOMATIITIC SPINIFEX PERIDOTITE Blackish green, serpentinized, olivine spinifex komatiite. It is comprised of 20% black olivine needles (1-3 mm thick and cm long) randomly oriented and 25-30% fine black or dark green olivine grains in a light green aphanitic serpentinized matrix. Trace to 0.5% pyrrhotite disseminations locally. Lower contact gradational.															
353.60	375.90	KOMATIITIC PERID0TITE ADCUMULATE Same as 275.3-289.2 m. The upper 2 metre is mesocumulate. It is cut by 2-3% white carbonate-serpentine veinlets randomly oriented. Local veins at 359 metre (3 cm), 30 to core axis to 360.4 metre (2 cm), 25 to core axis to 364.6 metre (4 cm) 50 to core axis to 366.05 metre (3.5 cm) 50 to core axis, 367.5 metre (1 cm) 45 to ca. Structure: weak to moderate fracturing RQD 75. 372.85 374.00 Mesocumulate peridotite same as 289.2-295.5 m. 374.00 375.90 Crackle brecciated serpentinized blackish green mesocumulate peridotite (flow top breccia?). Local graphite within microfractures. Lower contact gradational.															

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(%) %
375.90	384.60	KOMATIITIC SPINIFEX PERIDOTITE Same as 348.75 to 355.6 metre (random to platy). Structure: weak fracturing at low angles to core axis RQD 90. Min: trace very fine grained disseminated pyrrhotite throughout, except the upper part. 384.00 384.60 Crackle brecciated lower margin of weakly spinifex textured mesocumulate peridotite. Lower contact gradational.															
384.60	395.70	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey, white speckled, soft, non-magnetic, mesocumulate peridotite (70-75% black fine olivine cumulate in a white aphanitic matrix). It is cut by 2% white carbonate stringers to fractures, down to 392 m. Nil sulphides. Alteration to weak-moderate pervasive carbonatization. Structure: weak to moderate fracturing RQD 70. 387.00 388.40 Blocky core due to moderate fracturing. 392.70 395.70 Blackish green, very fine grained serpentinized mesocumulate with very minor micro fracturing at start and increasing downhole. 393.30 394.05 Min:1% vfg-fg brown pyrrhotite disseminations. Lower contact marked by the presence of graphite and strong micro fracturing/brecciation.															
395.70	401.30	KOMATIITIC PERIDOTITE BRECCIA Blackish green, vfg-aphanitic, intensely crackle brecciated serpentinized mesocumulate peridotite. The peridotite is brecciated by 20-30% black graphite micro fracturing causing angular serpentinized mesocumulate peridotite blocks. Min: trace very fine grained disseminated pyrrhotite. Very minor local spinifex textured patches. 399.50 400.50 Blocky core rqd-0 possibly 80% core loss.															
401.30	418.80	KOMATIITIC PERID0TITE ADCUMULATE Blackish green, soft, non-magnetic, massive, adcumulate peridotite (85-90% olivine cumulate in a white or pale green aphanitic matrix). Alteration: weak pervasive serpentinization. Nil sulphides. Structure: overall moderate fracturing rqd-70. 406.00 408.00 Blocky core, strong fracturing rqd-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(%) %
		405.50 416.00 3-7% white very fine grained carbonate-serpentine filled fractures randomly oriented.															
		417.05 418.80 Green, very fine grained, homogenous, massive, serpentinized adcumulate (chill lower margin.															
418.80	425.00	KOMATIITIC PERIDOTITE GRAPHITIC Black, vfg-aphanitic, graphitic, biotitic, massive peridotite. Weakly foliated 45 to core axis locally. Trace very fine grained brown pyrrhotite disseminations. Structure: competent rqd-95. Very minor white calcite filled fractures.															
425.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349318.00
Easting:	497612.80
Elevation:	294.66
Collar Azi.:	322.7
Collar Dip:	-44.3
Hole length:	350.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G.Sparling, K.Montgomery
Date(s) logged:	August 31,2007
Purpose:	N/A
Core storage:	HASTINGS Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
50	323.6	-44.5
101	324.2	-44.3
152	325.9	-45.6
203	327.4	-45.5
251	328.6	-46.6
302	328.8	-46.8
350	329.3	-47.0

Drill Hole:	GCL7-21
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	0+25S
Easting:	0+25E
GPS Northing:	5349317.97
GPS Easting:	497612.83
Date Started:	AUGUST 23, 2007
Date completed:	August 30,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	14.00	OVERBURDEN 14m Of nw casing.															
14.00	75.80	GRANODIORITE Grey, fg-mg, massive, homogeneous, non magnetic, hard. It consists of 15% black amphiboles that are locally chloritized and are interstial to grey quartz-plagioclase phenocrysts (quartz greater than plagioclase). Trace fine grained disseminated py. Structure: weak fracturing, RQD 85-90%. 24.00 26.00 Local stronger fracturing, 30% RQD, a few 5 inch quartz veins at 23.2m and 23.6m. 45.00 Unit becomes increasingly chlorite altered with depth. 72.50 75.80 Feldspathic to lower contact with more orange-pink coloration with heavily fractured graphitic section around 75.3m Lower contact at 40 tca.															
75.80	77.10	KOMATIITIC PERID0TITE Dark green to dark black, fine grained, locally massive, altered, fractured, faulted, moderately															

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, non magnetic.															
		Highly calcite altered in dark black graphitic altered section, 60% of unit, locally very weakly serpentine altered.															
		RQD of 70% with fractured, brecciated, faulted section from upper contact to 76.3m, 0% RQD, graphitic fractures.															
		1% Low angle calcite stringers.															
		0.5% Dull brown-yellow pyrite along stringers and graphitic fractures.															
		Gradual lower contact.															
77.10	78.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green chopped up randomly oriented blades of olivine spinifex texturing set in pale green to grey, fine grained matrix.															
		Patchy black graphitic alteration.															
		0.5% Pyrite along fractures/stringers.															
		Gradual lower contact.															
78.20	93.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey, fine grained, locally massive, homogeneous, hard.															
		Weakly ankerite altered.															
		Excellent RQD of 95% with rare broken core.															
		Fracturing at 50-60 degrees to core axis with serpentine-carbonate fracture filling, some brownish oxidation along stringers/fractures.															
		1-2% Greyish-white carbonate stringers at 70-75 degrees to core axis.															
		No visible sulphides.															
		Lower contact at roughly 60-70 tca.															
93.10	94.80	GRAPHITIC ARGILLITE															
		Dark silvery black, very fine grained, massive, homogeneous, non magnetic, highly conductive, fractured.															
		RQD of 60% with local broken core due to low angle fracturing.															
		1% Yellow to brown pyrite and pyrrhotite along stringers/fractures, local 3cm bleb at around 94m.															
		Lower contact at 50 degrees to core axis.															
94.80	187.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic.															
		Weakly serpentine altered with very weak calcite alteration locally (slight reaction to hcl).															
		Good RQD of 80-85%with a few minor sections of broken core.															
		Fracturing at 50-60 degrees to core axis with															

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(%) %
		serpentine-calcite fracture filling.															
		2-3% White-greyish, white and light greenish															
		calcite, serpentine and calcite-serpentine															
		stringers at generally 50-60 degrees to core axis															
		with several other at various angles.															
		94.80 99.00 Greyish-black weakly ankerite altered															
		more mesocumulate section.															
		145.40 157.30 A few minor sections of broken core															
		with local graphitic fractures around															
		156m.															
		171.30 174.50 A few minor sections of broken core															
		with up to 20% inter flow sga.															
		172.70 173.50 Dark black, fine grained, massive,															
		homogeneous, moderately hard, non															
		magnetic, conductive GRAPHITIC															
		ARGILLITE with trace pyrite and po.															
		181.70 15cm dark black GRAPHITIC ARGILLITE,															
		trace py/po.															
		Gradual lower contact.															
187.50	196.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Darker black to grey, fine grained, amygdaloidal,															
		non magnetic, hard.															
		Weakly serpentine altered, no reaction to hcl.															
		5-10% Serpentine filled amygdules.															
		Minor brecciation with rare broken core.															
		Fracturing at 40-50 degrees to core axis with 1-4mm															
		green serpentine fracture filling.															
		Trace-0.5% pyrrhotite on and along fractures.															
		192.00 194.00 Scattered 4-6 inch cm sized blades of															
		olivine spinifex, 10% over interval.															
		Gradual lower contact.															
196.80	197.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Blank.															
		Dark green, serpentine altered section.															
		Mm sized up to 4-5cm sized randomly oriented															
		olivine spinifex texture.															
		No visible sulphides.															
		Gradual lower contact.															
197.50	237.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green to black, massive, amygdaloidal,															
		altered, non magnetic, hard.															
		Weakly serpentine altered.															
		Unit alternates between massive (85%), amygdaloidal															
		sections (13%) and pale green altered sections (2%).															
		Amygdaloidal sections contain 5-10% rounded															
		serpentine filled amygdules.															
		Fracturing at 65-70 degrees to core axis with															
		serpentine fracture filling.															

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 serpentine-calcite stringers at 50 tca. Generally nil-trace with scattered sections up to 1% po.															
		205.50 208.50 Pale grey to green, weak to moderately serpentine altered, no visible sulphides, mesocumulate.															
		205.50 Massive, adcumulate section with scattered serpentine filled blotches/vesicles up to 3-4% locally.															
		214.40 228.50 0.5% to at best maybe 1% yellow to brown po-pn blebs, generally oval and 4-5mm-1cm, some scattered mineralization along stringers/fractures.															
237.70	268.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate (massive, amygdules).															
		Dark greyish-black, very fine to fine grained, mesocumulate to adcumulate, massive, homogeneous, non magnetic, hard.															
		Weakly serpentine altered, no reaction to hcl.															
		Good RQD of 90% with only a few very minor sections of mechanically broken core.															
		Fracturing at 60 degrees to core axis with very minor serpentine fracture filling.															
		1-3% White serpentine and calcite stringers at 40-50 tca.															
		245.00 249.00 Blebby zone, 6-9% po-pn, yellow, brown-brassy brown, 1-2% po-pn along stringers/fractures with scattered disseminations.															
		249.00 249.30 20-25% po-pn blebs, disseminations and patches.															
		249.30 250.30 Disseminated section consisting of up to 7% po-pn as flakes/specks and fine disseminations.															
		250.30 265.30 Mineralization consists of 0.5%-2% fine disseminations, patches and stringers/fractures of po-pn mineralization.															
		Gradual lower contact.															
268.90	302.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey-black to pale greyish, fine grained, hard, non magnetic, amygdaloidal, locally massive, foliated, fractured, faulted.															
		Weakly serpentine altered with pale greyish-green serpentine-ankerite alteration.															
		15-20% Serpentine filled amygdules, 2-3mm up 1.5cm sized, sub rounded.															

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(%) %
		2-3% White-pale greenish-white serpentine, calcite and carbonate at 30 and 50-60 tca. Nil to trace po.															
		268.90 283.00 A few sections of intermixed pale grey altered (serpentine-ankerite), weakly foliated, fractured, and faulted sections intermixed with serpentine filled amygdules.															
		277.40 278.50 Massive, grey to brownish, intermediate dyke (?), maybe coarse peridotite.															
		297.50 302.80 Greyish, massive, mesocumulate (?), 2-5mm sized, clustered, serpentine filled amygdules.															
		Gradual lower contact.															
302.80	325.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic, local mesocumulate-adcumulate texture.															
		Weakly serpentine altered, no reaction to hcl.															
		Good RQD of 85%.															
		Fracturing at 50 degrees to core axis with serpentine, calcite and rare quartz fracture filling, 1-3mm thick.															
		318.50 318.90 Brecciated section with mm sized to 3-4cm sized angular fragments rehealed with calcite and some quartz, nil sulphides.															
		1% White and green-white serpentine stringers, 2-4mm thick, 70-80 tca.															
		2-3% White and milky-white calcite, calcite-quartz and rare carbonate (milky white) stringers/veinlets, hairlike to 1.5 cm, 50-60 tca.															
		302.80 308.50 Nil sulphides.															
		308.50 310.70 Sulphide mineralization consists of 15-20% brassy brown to dull yellow po-pn, 10-15% blebs around 1cm sized, 6-8% sub rounded patches, 3-5% disseminations and locally along stringers/fractures, trace bright to dull yellow chalcopyrite along serpentine stringers.															
		310.70 321.60 Sulphide mineralization consists of around 5-8% po-pn disseminations with scattered less than 1cm blebs/patches and locally along stringers/fractures, scattered 10-15% disseminated mineralization occurs in around 10cm intervals.															
		321.60 324.20 Sulphide mineralization consists 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(%) %
		22-25% disseminated po-pn.															
		324.20 325.70 Sulphide mineralization consists of 3-5% po-pn as disseminations, blebs, patches and along stringers/fractures.															
		Gradual lower contact.															
325.70	332.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale grey to green, fine grained, hard, non magnetic, foliated, altered.															
		Weakly-moderately serpentine and ankerite altered.															
		Dark green 4-5cm olivine spinifex blades at 50-55 degrees to core axis, locally randomly oriented.															
		Weak foliation at 50 tca.															
		95% RQD with rare fracturing parallel to foliation.															
		0.5% White-grey calcite stringers at around 40 degrees to core axis.															
		Nil-1% brassy-brown po-pn specks in calcite stringers.															
		Gradual lower contact.															
332.40	350.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black with some greyish patches, very fine grained, massive, homogeneous, hard, non magnetic.															
		Weakly serpentine altered, no reaction to hcl.															
		Scattered 1-5cm sized serpentine filled blotches, generally in first 3m of unit.															
		Fracturing at 70 degrees to core axis with minor serpentine fracture filling.															
		Several generations of serpentine-calcite stringers/veinlets, stringers at 40, 50 and 70 degrees to core axis with veinlets at 30-40 tca.															
		Nil to trace po.															
		344.00 350.00 Greyish-green, carbonatized-serpentinized, 2% calcite-carbonate stringers, trace po.															
350.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349358.00
Easting:	497457.80
Elevation:	295.10
Collar Azi.:	325.0
Collar Dip:	-46.3
Hole length:	507.00
Units:	METRIC
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	Kevin Montgomery
Date(s) logged:	August 24, 2008
Purpose:	N/A
Core storage:	Moneta Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
29	327.2	-47.2
80	327.6	-47.9
131	329.3	-48.5
182	331.8	-48.1
233	332.3	-48.5
284	334.5	-48.9
335	334.8	-49.6
386	339.3	-49.9
437	338.9	-50.2
497	340.3	-50.0

Drill Hole:	GCL7-20
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	1+04N
Easting:	0+75W
GPS Northing:	5349358.17
GPS Easting:	497457.83
Date Started:	August 23, 2008
Date completed:	August 31, 2008
Drilled by:	NOREX
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	8.70	OVERBURDEN Casing to 9m.															
8.70	37.50	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey, fine grained, homogenous, massive, non-magnetic, mesocumulate (70% olivine) peridotite. Alteration to weak pervasive carbonatization. Unit quite competent rqd-95. It is cut by 1-2% white to pale green serpentine-carbonate veinlets/stringers. Locally trace brassy very fine grained pyrrhotite and possibly pentlandite. Lower contact gradational.															
37.50	43.50	KOMATIITIC PERIDOTITE BRECCIA Dark grey, very fine grained, brecciated, graphitic, non-magnetic, mesocumulate peridotite (similar to 8.7-37.5 m). Graphite in fills anastomosing fine fractures producing a crackle brecciation. This increases with intensity downhole until it grades into a graphitic argillite unit. Very minor yellow-brown iron carbonate specks to microfracture infillings. Structure: weak fracturing rqd-80.															

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(%) %
		41.50 43.00 Graphite pepperite section. Lower contact gradational.															
43.50	47.00	GRAPHITIC ARGILLITE Black, vfg-aphanitic, homogenous, massive graphitic argillite. It is cut by 1-2% very fine white calcite stringers and brown-yellow iron carbonate stringers from 46 to 47 m. Trace very fine grained brown pyrrhotite. Unit is quite competent rqd-90. Lower contact sharp 50 to ca.															
47.00	61.80	KOMATIITIC PERIDOTITE BRECCIA Light grey, very fine grained to aphanitic, brecciated, graphitic, non-magnetic, mesocumulate peridotite. The upper portion (47-51.4 m) contains 15-20% graphitic argillite material as microfracture infillings and local patches. Afterwards the graphite content decreases to 5-10% and occurs as mostly microfracture infillings. Structure: weak to moderate fracturing rqd-70. 49.30 50.00 Graphitic argillite section with 5% brassy pyrite. 50.40 50.50 Graphite gouge. 51.00 51.40 Blocky graphite rich (50%) section. 53.50 56.00 2% dark green aphanitic serpentine filled amygdules. Lower contact gradational.															
61.80	64.40	KOMATIITIC SPINIFEX PERIDOTITE Light greenish grey, non-magnetic, random olivine spinifex textured komatiite (25-30% black olivine hopper laths). Structure: moderate anastomosing fractures rqd-50 to 60. Lower contact gradational.															
64.40	69.60	KOMATIITIC PERIDOTITE MESOCUMULATE Pale to light grey, fine grained, weakly brecciated to massive, non-magnetic, mesocumulate peridotite. It contains 1-2% dark green to black aphanitic serpentine filled round to sub rounded amygdules. Structure: weak fracturing rqd-80. Lower contact marked by the initial presence of graphite fragments.															
69.60	71.20	KOMATIITIC SPINIFEX PERIDOTITE Pale greenish grey, non-magnetic, heterogeneous, altered and graphite peppertitic olivine spinifex															

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(%) %
		textured komatiite.															
		It consists of 60% white altered relic olivine needles (up to 0.5 metre long) randomly oriented in a felt like texture.															
		At the upper and lower margins (69.6-71.1 metre and 70.7-71.2 m) silver and black angular graphite fragments are present pepperite.															
		Lower contact gradational.															
71.20	89.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Pale to darkish green, spotted, fine grained, massive non-magnetic, mesocumulate peridotite (60-70% olivine cumulate both black and green serpentinized).															
		The mesocumulate peridotite contains 5-7% dark green very fine grained serpentine filled vesicles (5 mm diameter) producing a distinct spotted texture, down to 85 m.															
		Alteration: moderate pervasive serpentinization. Dark red patches of moderately pervasive rodingite alteration at 71.2-72 metre, 73-74 and 77.5-78.															
		Lower contact marked by the initial presence of brecciation.															
89.20	117.80	KOMATIITIC PERIDOTITE BRECCIA															
		Greenish grey, fine grained, brecciated, graphitic mesocumulate peridotite same as 47 to 61.8 m.															
		The olivine cumulate are altered and mostly greenish grey.															
		Distinct very fine black graphite microfractures causing a crackle brecciation.															
		Locally minor yellow-brown iron carbonate infilling microfractures.															
		Structure: moderate fracturing rqd-50 to 60.															
		94.50 95.00 Black very fine grained blocky graphite band with a few brassy vfg-fg pyrite wispy veinlets (up to 5 mm).															
		96.50 97.00 Intense black graphite? serpentine fracturing causing tectonic brecciation.															
		108.00 109.50 Fine grained orthocumulate section (40% black olivine cumulate in a grey aphanitic matrix).															
		112.50 113.00 Blocky core, rqd-0.															
		Lower contact sharp 55 to ca.															
117.80	118.70	GRAPHITIC ARGILLITE															
		Same as 43.5 to 47 metre, lower contact area (118.4-118.7 m) very friable rdq-0. Nil sulphides.															
		Lower contact sharp 55 to ca.															
118.70	123.90	KOMATIITIC PERID0TITE 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(%) %
		Blackish to dark grey, graphitic crackle brecciated adcumulate peridotite. Structure: weak to moderate fracturing rqd-70-75. Lower contact sharp 30 to ca.															
123.90	143.60	KOMATIITIC PERIDOTITE BRECCIA															
		Same as 89.2 to 117.8 metre, mesocumulate peridotite. Structure: weak to moderate fracturing rqd-75-80. Mineralization: 0.5% very fine grained brown pyrrhotite disseminations to smears within graphitic fractures till 131 m. Below 140 metre, at the lower contact margin brecciation consists of more matrix with local blocks floating in it.															
		130.20 130.40 Graphite rich section with intense brecciation.															
		136.55 136.85 Black sheared very fine grained graphite seam with contacts 30 to ca.															
		137.25 139.80 Graphite pepperite section- it consists of 5-7% black to silvery black angular fragments (up to 1 cm size) till 139 m. Below 139 metre, 35% black graphite angular fragments (2x3 cm to 5x10 cm size).															
		Lower contact gradational.															
143.60	145.40	KOMATIITIC SPINIFEX PERIDOTITE															
		This olivine spinifex textured section is subdivided as follows:.															
		143.60 143.95 Flow top breccia of 80% angular to sub rounded aphanitic adcumulate peridotite blocks (mostly cm size) in a light green aphanitic serpentine matrix.															
		143.95 144.75 Random olivine spinifex-35% black fine to medium olivine hopper blades. Trace black serpentine filled amygdules.															
		144.75 145.40 Mixed section of random olivine spinifex and 40% fine grained mesocumulate peridotite.															
		Lower contact gradational.															
145.40	152.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Black white speckled, fine grained, non-magnetic, massive, homogenous mesocumulate peridotite. It is comprised of 80% black olivine cumulate grains in mutual contact within a white aphanitic matrix. Trace white calcite filled fractures with black															

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(%) %
		serpentine alteration halos (3 mm wide).															
		Structure: very competent rqd-90-95.															
		Lower contact gradational.															
152.00	185.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green, very fine grained, non-magnetic, massive homogenous, adcumulate peridotite (95% tightly packed partially serpentinized olivine cumulate).															
		The unit is cut by 2-3% fine (1-3 mm) white carbonate-serpentine filled fractures.															
		Structure: very competent rqd-90-95.															
		171.10 171.20 Pale green to white serpentine carbonate zone. Upper contact 50 to core axis and lower contact 65 to ca.															
		170.25 174.30 Mesocumulate peridotite section.															
		177.00 177.50 Alteration: intense flooding of pale green serpentine-carbonate veining. Zone has irregular contacts.															
		178.55 185.00 Dark green serpentine filled vesicles scattered throughout, 1% overall and up to 3% locally. Trace very fine grained brassy-brown po-pn disseminations.															
		Lower contact gradational.															
185.30	220.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Green, vfg-fg, non-magnetic, homogenous, massive mesocumulate peridotite (80-85% green olivine cumulate).															
		It is cut by 1% white very fine carbonate filled fractures.															
		Alteration: weak to moderate pervasive serpentinization.															
		Structure: very competent rqd-95, until lower contact area.															
		186.10 186.25 Pale green to white stripped shear foliated serpentine-carbonate zone. Contacts 30-25 to ca.															
		210.65 210.70 White serpentine-carbonate vein (4 cm), 40 to ca.															
		211.50 211.70 Cataclastic dyke- green very fine grained serpentine matrix with small angular blocks of KOMATIITIC PERID0TITE and white calcite filled fine tensional gashes. Dyke contacts 45-50 to ca.															
		216.20 216.70 Serpentine-carbonate fracture slip at 0 to 5 to ca.															
		217.50 220.30 Moderate fracturing that causes blocky core rqd-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(%) %
		Lower contact marked by intense blocky core.															
220.30	223.50	FAULT ZONE The zone consists of intense fracturing and is not a true fault zone. It occurs at the contact between unaltered mesocumulate peridotite and carbonatized mesocumulate peridotite. There was 0.6 metre of core loss between 218 to 221 m. At 223 metre a small core piece (10 cm) contains brown sphalerite? in filled fractures. Minor mud gouge in fractures at 223.2 to 223.5 m.															
223.50	278.00	KOMATIITIC PERIDOTITE MESOCUMULATE Grey to light grey, fine grained, non-magnetic, homogenous, weakly brecciated to massive, non-magnetic, carbonatized, mesocumulate peridotite. It is comprised of 60-75% dark grey carbonatized olivine cumulate grains within a white aphanitic matrix. The peridotite is cut by 3-5% white carbonate veinlets (0.5 to 2 cm wide). The carbonate alteration decreases below 261.8 m. Structure: weak to moderate fracturing (rqd-70-80) down to 266 metre, then very weak (rqd-90). 232.00 233.40 White speckled section-orthocumulate 45-55% olivine cumulate surrounded by white calcite matrix. 261.80 262.15 Pale green serpentine mud gouge. 262.20 262.50 Alteration: dark green, pervasive serpentine alteration zone (aphanitic to vfg). 262.50 263.20 Alteration: moderate pervasive calcite and dark serpentine. 262.30 263.50 White green speckled chlorite-serpentine-quartz-calcite zone (orthocumulate ?, 20% green serp olivine in quartz-calcite matrix). 263.50 264.10 Same as 262.2-262.5 m. Lower contact gradational.															
278.00	299.60	KOMATIITIC PERID0TITE ADCUMULATE Dark grey, vfg-aphanitic, massive, non-magnetic, adcumulate peridotite (>85% very fine black olivine cumulate). The peridotite is cut by 1-2% white carbonate fine veinlets to stringers (1 to 5 mm wide) randomly oriented. Structure: very competent rqd-95. 297.70 297.75 White aphanitic carbonate vein (2.5 cm), 45 to ca. Lower contact gradational.															

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(%) %
299.60	304.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Greenish grey, same as 185.3 to 220.3 m.															
		Structure: very competent rqd-90.															
		Lower contact gradational.															
304.10	310.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Light grey, vfg-aphanitic, weakly spinifex textured															
		peridotite flow section. The section consists of															
		faint serpentinized relic olivine blades to needles															
		randomly oriented in a mesocumulate peridotite.															
		309.00 310.20 Black feathery coarse olivine blades															
		(5-7%) in a section.															
		Lower contact gradational.															
310.20	327.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 278 to 299.6 metre, the upper particularly															
		of unit is cut by white quartz-calcite veins and															
		irregular fractures.															
		Trace very fine grained brown pyrrhotite. Unit is															
		quite competent rqd-90 except from 317 to 319 m.															
		315.56 315.62 White quartz-calcite vein (3 cm), 35															
		to ca.															
		316.56 316.80 Same as above, 30 to ca.															
		317.00 319.00 Blocky core section due to moderate															
		fracturing, rqd-50.															
		Lower contact gradational.															
327.50	330.95	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Black white speckled, fine grained, non-magnetic,															
		massive, homogenous mesocumulate peridotite.															
		Olivine content decreases downhole towards the															
		spinifex textured section.															
		Nil sulphides. Structure: competent rqd-90.															
		Lower contact gradational.															
330.95	337.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Same as 304.1 to 310.2 m. Platy and random olivine															
		blades both black unaltered and light grey															
		serpentinized blades.															
		Nil sulphides. Structure: competent rqd-90.															
		330.95 332.00 Blocky core appears mechanical due to															
		the drilling.															
		Lower contact somewhat sharp.															
337.00	349.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 327.5 to 330.95 metre (80% black olivine															
		cumulate grains some what higher than 327.5 to															
		330.95 m).															
		Structure: weak fracturing rqd-80, trace sulphides.															
		340.40 345.00 Local white carbonate veins at low															

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(%) %
		angles to the ca. Blocky core due to weak-moderate fracturing rqd-50 to 60. Weak crackle brecciation by fine calcite and/or serpentine microfractures.															
		345.00 349.50 3-4% white very fine grained carbonate (some serpentine) filled microfractures (1-5 mm) randomly oriented. Local pistachio green intense pervasive serpentine patches.															
		Lower contact gradational.															
349.60	356.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Light greenish grey, bleached, aphanitic, weak platy olivine spinifex textured komatiite. Same as 330.95-337 m. Nil sulphides.															
		Lower contact gradational.															
356.00	386.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 337-349.6 m. It is cut by 1-2% white carbonate very fine microfractures to veinlets.															
		Below 368 metre, the mesocumulate is more grey in coloration likely due to a slight decrease of olivine content to 70% and weak carbonatization.															
		There is also an increase in the intensity (3-4% of the white carbonate-serpentine microfractures to veinlets.															
		366.50 367.30 Blocky core, intense fracturing rqd-0.															
		376.25 383.00 Alteration: egg box pattern serpentinization. It is comprised of white serpentinized mesocumulate peridotite rims to bands about unaltered greenish black peridotite. This produces a fragmental appearance. Some of the serpentinization appears to emanate from microfractures cutting the peridotite.															
		Lower contact sharp.															
386.00	390.50	GRAPHITIC ARGILLITE															
		Black aphanitic, soft, graphitic argillite. The argillite grades into a graphite rich mesocumulate peridotite.															
		Structure: massive. Alteration: weak pervasive calcite. Min: trace pyrrhotite.															
		387.70 387.75 White irregular serpentine-carbonate vein.															
		387.75 388.25 Gouge section, rqd-0.															
		Lower contact gradational.															

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(%) %
390.50	391.50	KOMATIITIC PERIDOTITE GRAPHITIC															
		Dark to blackish grey, fine grained, weakly foliated, graphitic mesocumulate peridotite. The peridotite contains graphite bands and graphite slips. Very minor calcite stringers (1 mm) parallel to foliation.															
		Structure: weak foliation 35 to 40 to ca. Trace brown fine grained pyrrhotite smears locally along foliation planes.															
		Lower contact gradational.															
391.50	397.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Greenish grey to light grey, very fine grained, altered mesocumulate peridotite.															
		391.50 393.60 Greenish grey, serpentinized mesocumulate peridotite (55-60% green serpentine cumulate grains to shards within a white glassy matrix). Weak foliation throughout.															
		393.60 397.10 Grey, carbonatized mesocumulate peridotite (65% dark grey carbonate altered olivine cumulate grains in a white glassy matrix). The section is cut by 5-7% very fine white carbonate microfractures causing weak crackle brecciation locally.															
		393.30 395.50 Min:0.5-1% brassy very fine grained pyrite disseminations.															
		Lower contact gradational.															
397.10	415.50	KOMATIITIC PERIDOTITE GRAPHITIC															
		Black, very fine grained, massive, homogenous biotitic and graphitic moderately hard peridotite.															
		It is cut by 2% very fine calcite stringers/microfractures. Nil sulphides. Competent rqd-95.															
		The unit is weak to moderately conductive.															
		Lower contact gradational.															
415.50	455.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark to light grey, mottled, very soft, altered massive mesocumulate peridotite.															
		Alteration: intense pervasive carbonatization to talcose.															
		425.00 455.70 Very intense (15%) white very fine grained carbonate stringers to veinlets in a random anastomosing pattern.															
		Lower contact is marked by the appearance of shearing.															

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(%) %
455.70	475.87	KOMATIITIC PERIDOTITE SHEARED															
		Dark grey to light green, mottled, sheared and															
		altered, very soft, very fine grained peridotite.															
		This is a shear zone that has cut carbonatized															
		mesocumulate peridotite (same as above unit).															
		The moderately intense white carbonate stringers to															
		veinlets have also been sheared and are now															
		parallel to the shear foliation.															
		Nil sulphides. Alteration: intense to moderate															
		pervasive carbonatization and intense light green															
		serpentinization below 461 m.															
		Structure: rqd-70 to 75. Strong shearing 50 to core															
		axis at 458 metre, 35 to core axis at 461.7 metre,															
		50 to core axis at 464 metre, 45 to core axis at															
		466.3 metre, 470.2 metre, 50 to core axis at 473.5															
		and 475 m.															
		Lower contact sharp 55 to ca.															
475.87	477.50	INTERMEDIATE DYKE															
		Brownish grey, very fine grained, massive,															
		homogenous, moderately hard, felsic to intermediate															
		intrusive.															
		Alteration: intense pervasive calcite. Min:1% fg-mg															
		cubic disseminated pyrite.															
		Lower contact sharp 60 to ca.															
477.50	480.50	KOMATIITIC PERIDOTITE SHEARED															
		Same as 455.7 to 475.85 m.															
		Structure: strong shearing, 40 to core axis at 479															
		metre, 45 to core axis at 478 metre, 25 to core															
		axis at 480.5 m.															
		Lower contact 10-15 to core axis and irregular.															
480.50	493.70	INTERMEDIATE DYKE															
		Same as 475.85 to 477.5 m.															
		Local irregular white to pink quartz veinlets.															
		Trace white medium grained aphanitic plagioclase															
		phenocrysts.															
		Min:1-2% brassy fg-mg cubic pyrite disseminations.															
		481.80 482.70 Sheared komatiitic peridotite, shear															
		foliation 20 to ca.															
		489.15 489.35 Dark green, aphanitic,															
		serpentine-chlorite band, irregular															
		contacts.															
493.70	507.00	KOMATIITIC PERIDOTITE SHEARED															
		Same as 455.7 to 475.85 m.															
		15-18% White carbonate irregular stringers to															
		lenses throughout.															
		Structure to strong intense shearing. Below 498															
		metre, it becomes flat lying to parallel to the															

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 axis.															
		Foliation 40 to core axis at 494 metre, 40 to core axis at 496.5 metre, 25 to core axis at 498.5 metre, and 5 to core axis at 501 m.															
		496.80 498.05 Intermediate intrusive same as 477.5-493.7 m. Upper contact 30 to core axis and lower contact 20 to ca.															
		503.80 504.10 Intermediate intrusive block. Upper contact 15 to core axis and lower contact 35 to ca.															
507.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349405.00
Easting:	497455.80
Elevation:	295.17
Collar Azi.:	323.4
Collar Dip:	-41.2
Hole length:	356.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	August 29-31,2007
Purpose:	N/A
Core storage:	Hughes Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
14	324.5	-41.3
65	326.8	-41.3
116	328.9	-42.6
167	330.8	-43.2
218	332.3	-43.9
269	333.3	-44.3
320	335.1	-44.8

Drill Hole:	GCL7-19
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	1+44N
Easting:	0+50W
GPS Northing:	5349404.77
GPS Easting:	497455.85
Date Started:	AUGUST 16,2007
Date completed:	August 22,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	3.00	OVERBURDEN 3m Nw casing.															
3.00	48.10	KOMATIITIC PERID0TITE ADCUMULATE Dark grey to green, fine grained, amygdaloidal, hard, non magnetic, local massive section. Weakly serpentine altered, local lighter grey sections are generally associated with minor calcite alteration. Good RQD of 80%. Fracturing at 40 and 60 degrees to core axis with around 2-3mm of serpentine fracture filling. 1% White calcite stringers at 40 tca. 2-3% Green-black and white serpentine and serpentine-calcite stringers at 20, 40, 60 and 70 tca. 6.50 7.30 Section of broken core, 30-40% RQD, oxidized fractures. 8.40 9.00 Generally mm sized with some cm sized randomly oriented olivine spinifex texture. 13.60 18.00 1-2% finely disseminated pyrrhotite with a few scattered blebs/specks 2-4mm. 20.00 48.10 Alternating 20-25% amygdaloidal sections with more massive sections															

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(%) %
		with 5% vesicles.															
		Lower contact at 25 tca.															
48.10	48.70	FAULT ZONE															
		Fault zone in amygdaloidal peridotite.															
		Light pistachio green, weakly serpentine altered,															
		nil sulphides.															
		Minor 5cm serpentine fault gouge at 48.6m, 60-70%															
		rqd.															
		Gradual lower contact.															
48.70	105.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate.															
		Dark grey to green, fine grained, hard, non															
		magnetic, local massive section, rare vesicles.															
		Weakly serpentine altered.															
		Good RQD of 85%.															
		1-2% Serpentine-calcite stringers at generally 40															
		tca.															
		48.70 52.00 Section of broken core with a 50-60%															
		rqd.															
		61.00 71.40 Nil to trace disseminated pyrrhotite,															
		local 2mm bleb at 62.8m.															
		71.40 74.90 Mineralization: 7-8% po-pn as blebs,															
		disseminations and along															
		stingers/fractures. 3-5% oval blebs															
		2-3mm up to 2cm.															
		74.90 78.70 Mineralization: 6-10% po-pn mostly as															
		finely disseminated patches/blotches,															
		fine disseminations and associated with															
		stringers/fractures.															
		78.70 87.50 Mineralization: 1-3% po-pn															
		disseminations and along															
		stringers/fractures.															
		78.70 80.00 Possible faint olivine spinifex texture.															
		82.40 89.00 Sections of broken/fractured core,															
		overall RQD of 65-75% rqd.															
		104.90 105.90 Light grey highly calcitic, locally															
		foliated section.															
		Gradual lower contact.															
105.90	109.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale green to grey, altered, hard, non magnetic,															
		spinifex textured, brecciated.															
		Weakly serpentine altered.															
		Weakly brecciated with serpentine and local calcite															
		healing.															
		Nil sulphides.															
		Scattered visible blades of randomly oriented															
		olivine spinifex texture, proper identification of															
		extent of spinifex texturing is hampered by															

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(%) %
		brecciation.															
		Gradual lower contact.															
109.20	125.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous,															
		hard, non magnetic, locally fractured/broken.															
		Weakly serpentine altered.															
		Good RQD of 80-85% with a few minor sections of															
		broken core.															
		Fracturing at 40-50 degrees to core axis with dark															
		black serpentine fracture filling.															
		1-3% White serpentine and serpentine-calcite															
		stringers at 50 and 80 tca.															
		Nil to trace disseminated pyrrhotite.															
		Gradual lower contact.															
125.00	157.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey brown to black, fine grained, massive,															
		homogeneous, hard, non magnetic, local leucoxene															
		(?).															
		Patchy very weak serpentine and calcite with a more															
		pervasive weak ankerite alteration.															
		Good RQD of 80%.															
		Fracturing at 40-50 degrees to core axis with dark															
		black serpentine fracture filling.															
		1-2% White calcite stringers/veinlets at 50 degrees															
		to core axis.															
		Nil to trace po.															
		137.80 142.70 Pale pistachio green to grey															
		serpentine altered, 0.5% 1-2mm dark															
		circles, 65% rqd.															
		137.80 138.80 Variable sized discs at 90 degrees to															
		core axis, most likely of mechanical															
		origin.															
		140.60 141.20 Minor fault zone, 0% RQD, minor															
		visible gouge, poorly recovery															
		locally.															
		145.80 4.00 Inch white calcite-quartz veinlet,															
		trace pyrrhotite, contacts at 20 and 40															
		tca.															
		Gradual lower contact.															
157.70	177.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black to dark black grey, fine grained,															
		massive, hard, non magnetic, fractured, faulted,															
		brecciated.															
		Weakly serpentine altered with patches of calcite															
		alteration.															
		Generally good RQD of 70-75% with several 4-5m															
		broken, brecciated and faulted sections.															
		2-3% Hairlike calcite and serpentine-calcite															

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 at 50-60 tca.															
		Nil sulphides.															
		159.30 162.50 Blocky section of core with a few minor slip and 5 inches of fault gouge at 160.4, 30-40% rqd.															
		162.50 167.40 Weakly brecciated section with quartz-calcite healing, section is also cut by 1% quartz-calcite stringers at 70-80 degrees to core axis, nil sulphides.															
		177.10 177.50 Broken core, local slips, 0% rqd.															
		Undistinguishable lower contact due to broken core.															
177.50	178.80	FELSIC INTRUSIVE (UNDIFFERENTIATED)															
		Felsic to intermediate dyke.															
		Light to dark grey, medium grained, hard, non magnetic, massive, heavily fractured.															
		No reaction to hcl.															
		0% RQD due to variable angled fractures, generally low angles, 0-30 degrees to core axis, serpentine fracture filling.															
		Nil mineralization.															
		Lower contact at around 40 tca.															
178.80	200.30	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, homogeneous, hard, non magnetic.															
		Weakly serpentine altered.															
		Excellent RQD of 95%.															
		Fracturing at 30 and 50 degrees to core axis with serpentine-calcite fracture filling.															
		1-2% Grey-white serpentine and calcite serpentine stringers at 30, 50 and 60 tca.															
		Nil to trace disseminated po.															
		Gradual lower contact.															
200.30	212.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate with a few minor GRAPHITIC ARGILLITE intervals.															
		Variable colored from light to dark grey and black, fine grained, massive, homogeneous, foliated, fractured, faulted.															
		Randomly altered from weak serpentine, calcite and ankerite to calcite-graphite alterations associated mostly with sga.															
		Weak local foliation at 40-50 tca.															
		Minor fracturing throughout unit at 40-50 degrees to core axis with minor serpentine fracture filling and silver-black graphitic fractures in GRAPHITIC ARGILLITE sections.															
		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(%) %
		0.5% Calcite stringers at 55 tca.															
		Trace pyrite associated with GRAPHITIC ARGILLITE															
		and trace pyrrhotite on fractures in kpdm.															
		204.00 8.00 Inch fractured section of GRAPHITIC															
		ARGILLITE, nil sulphides, graphitic															
		fractures.															
		205.50 206.00 GRAPHITIC ARGILLITE with trace															
		pyrite, graphitic fractures, sections															
		of strong conductivity, contacts at															
		60 tca.															
		207.00 207.30 Minor fault zone, 0% RQD, 50%															
		serpentine fault gouge.															
		209.20 KOMATIITIC PERIDOTITE MESOCUMULATE															
		becomes very fine grained, weak to															
		moderately graphitic, patchy calcite,															
		weak foliation.															
		Gradual lower contact.															
212.40	235.80	KOMATIITIC PERIDOTITE GRAPHITIC															
		Komatiitic peridotite (biotite-graphite).															
		Dark grey-brown and black, medium grained, massive,															
		homogeneous, hard, non magnetic.															
		Pervasive calcite alteration, brown sections tend															
		to be weakly biotitic and the dark black sections															
		are graphitic.															
		Excellent RQD of 95%.															
		Fracturing and foliation at 30 degrees to core															
		axis, serpentine-calcite fracture filling.															
		1% White calcite stringers at 60 tca.															
		Trace disseminated pyrite.															
		Gradual lower contact.															
235.80	253.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate-adcumulate															
		sections.															
		Dark black to greyish, fine grained, locally															
		massive, foliated to sheared, moderately hard to															
		hard, non magnetic.															
		Weakly carbonate altered, patchy very weak calcite,															
		pervasive weak ankerite.															
		Good RQD of 70-75% with a few minor sections of															
		broken core.															
		Weak to moderately foliated/sheared at 30 degrees															
		to core axis.															
		Fracturing is generally low angle 20-30 degrees to															
		core axis with serpentine-calcite fracture filling.															
		5% White sheared/foliated calcite stringers.															
		Nil sulphides.															
		251.20 251.60 Mixed, faulted section of GRAPHITIC															
		ARGILLITE and KOMATIITIC PERIDOTITE															
		MESOCUMULATE, 10% fault gouge.															

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 45 tca.															
253.40	256.00	FAULT ZONE															
		Fault zone in sga/kpdm mix.															
		50-60% recovery, 0% RQD.															
		Sections of visible brecciation/shearing.															
		Series of slips with gouge and 10-15% rehealed															
		serpentine fault gouge.															
		5-10% GRAPHITIC ARGILLITE.															
		Nil sulphides.															
		Gradual lower contact.															
256.00	296.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate-adcumulate															
		sections.															
		Same as 235.8-253.4.															
		260.00 264.00 Dark grey to blackish, less altered															
		section, 2-3mm dark green serpentine															
		fracture filling, patchy graphite															
		alteration, 60% RQD, local faulting,															
		blocky core.															
		264.00 265.80 Dark black-grey KOMATIITIC PERIDOTITE															
		MESOCUMULATE with weak graphitic															
		alteration and sections of sga.															
		265.80 266.00 Minor faulted section, 3-5cm fault															
		gouge.															
		274.60 279.70 Dark black less carbonate altered and															
		increasingly graphite altered															
		KOMATIITIC PERIDOTITE MESOCUMULATE															
		with a few scattered GRAPHITIC															
		ARGILLITE intervals, silvery-black															
		graphitic fractures, 55-60% rqd.															
		282.50 293.80 Unit is less carbonate altered with a															
		slight patchy graphitic alteration															
		phasing in and out.															
		293.80 296.40 Dark black, very fine grained,															
		fractured, graphitic altered, 30-40%															
		GRAPHITIC ARGILLITE.															
		Lower contact at 30 tca.															
296.40	297.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black mm sized olivine spinifex texture at															
		random orientations grading to cm sized blades at															
		0-10 degrees to core axis with depth.															
		Dark black, fine grained, graphitic altered matrix.															
		Nil sulphides.															
		Gradual lower contact.															
297.90	317.20	KOMATIITIC PERIDOTITE GRAPHITIC															
		Dark black and dark grey-black brown sections, very															
		fine/ fine grained sections with alternating some															

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(%) %
		what medium grained section, massive, homogeneous, moderately hard to hard, non magnetic, slight conductivity locally associated with graphite, otherwise non conductive. Weak to moderately calcite altered with a few non calcite altered sections in the first few meters of unit. The unit consistently alternates between dark black graphite altered, very fine/fine grained sections with 2-3% biotite and more weakly graphite/biotite altered, medium grained sections with 25% biotite in matrix (1-3mm sized). Weakly fractured/foliated at 30 degrees to core axis with scattered graphitic fractures. 0.5% White calcite stringers at 10-30 degrees to core axis, 3-5mm thick and generally 10-15cm along core. Trace-0.5% fairly coarse yellow-brown pyrite along calcite stringers. Gradual lower contact.														
317.20	356.00	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey-black to light grey, fine grained, massive, homogeneous, moderately hard, non magnetic. Carbonate altered, weakly carbonate altered. Good RQD of 80-85% with a few minor sections of broken core. Rare foliated sections at 45 degrees to core axis. 1% Greyish carbonate stringers at generally 50 tca. Nil sulphides. 343.00 352.00 Multiple sections of broken core, 65% RQD, 2% calcite-carbonate stringer/veinlets at 20-40 degrees to core axis, 5mm-1.5cm thick and up to 40cm long, average 5-8cm, nil sulphides.														
356.00		END OF HOLE														

Date: 4 Dec, 2008 GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349336.00
Easting:	497507.40
Elevation:	294.94
Collar Azi.:	323.1
Collar Dip:	-47.0
Hole length:	500.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	August 21,2007
Purpose:	N/A
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
23	324.5	-46.1
74	326.1	-46.3
125	328.2	-47.2
176	329.7	-48.0
227	330.4	-48.7
275	334.0	-48.9
326	336.0	-48.6
377	337.9	-48.3
428	339.7	-47.2
479	339.4	-46.1

Drill Hole:	GCL7-18
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	0+79N
Easting:	0+50W
GPS Northing:	5349335.55
GPS Easting:	497507.39
Date Started:	August 8, 2007
Date completed:	August 15,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	12.20	OVERBURDEN															
		12.2m Of nw casing.															
12.20	45.00	GRANODIORITE															
		Changed from QUARTZ FELDSPAR PORPHYRY to															
		GRANODIORITE.															
		Dark grey, massive, coarse grained, very hard, non															
		magnetic, homogeneous.															
		No reaction to HCl, local very minor silicification.															
		Broken/blocky core with oxidized fractures, 70-75%															
		RQD.															
		Fracturing at 0-30 but generally 50 degrees to core															
		axis with dark green serpentine filled fractures.															
		20% Sub rounded 1-3mm sized, sub rounded mostly															
		white feldspar phenocrysts with some clear-white															
		quartz phenocrysts, maybe 2-3%.															
		0.5% Hairlike white calcite stringers at 30-40 tca.															
		Nil to trace dull brown-yellow pyrite on fractures.															
		38.50 Unit becomes slightly silicified with															
		increased quartz phenocrysts and 0.5%															
		pyrite fractures.															
		Lower contact at 60 tca.															
45.00	47.30	FAULT ZONE															
		Fault zone in komatiitic peridotite-graphitic															

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(%) %
		argillite.															
		0% RQD, poorly recovery.															
		Rare gouge visible in ruble.															
		2-4mm Thick silvery black graphitic fractures.															
		0.5% Brassy brown non magnetic pyrite on fractures.															
		Lower contact at 50 tca.															
47.30	59.70	KOMATIITIC PERID0TITE															
		Komatiitic peridotite-graphitic argillite flow top															
		breccia.															
		Dark grey to dark black, fine grained, moderately															
		hard to hard, non magnetic, local slight															
		conductivity.															
		Weakly graphitic and serpentine altered.															
		Unit consists of around 80% brecciation with mostly															
		graphite healing and alteration, serpentine															
		alteration is very weak and healing is over															
		shadowed by more pervasive graphite.															
		70-75% RQD with several minor sections of broken															
		core.															
		Fracturing at various angles but generally 30 and															
		50 degrees to core axis with serpentine and															
		graphite fracture filling.															
		Scattered grey-white serpentine stringers at 45															
		degrees to core axis.															
		47.30 51.00 Section has 20-30% serpentine/talc															
		altered spots around 5mm-1cm sized.															
		50.00 55.00 Trace-0.5% po-py along															
		fractures/stringers.															
		Gradual lower contact.															
59.70	94.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey to black, fine grained, massive,															
		homogeneous, non magnetic, hard.															
		Weakly serpentine altered.															
		Excellent RQD of 95%, no broken core.															
		Unit is cut by 3-5% white, dark green and pistachio															
		green serpentine, milky white calcite-serpentine															
		stringers at various angles 30-40 and 50-60 tca.															
		Unit has a consistent 0.5% up a rare 1% disseminate															
		brassy brown pyrrhotite throughout unit.															
		Gradual lower contact.															
94.60	113.20	KOMATIITIC PERID0TITE															
		Komatiitic peridotite, possible kosx.															
		Pale green to light greyish green, fine grained,															
		hard, non magnetic, brecciated, faulted, fractured.															
		Weakly serpentine and ankerite altered.															
		Broken/blocky core throughout unit with 0-40															
		degrees to core axis fracturing, serpentine and															
		graphite fracture filling.															

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(%) %
		Poorly RQD of 45-55% with minor local faulting. Brecciated throughout with generally serpentine and more localized graphite healing. Brecciation makes identification of extent of spinifex texture difficult. Nil to trace pyrrhotite on fractures locally. 95.80 96.60 Dark green mm-cm sized randomly oriented olivine spinifex. 99.00 6.00 Inches of olivine spinifex. 99.00 100.50 Minor serpentine gouge fault, 0% rqd. 107.00 Unit becomes increasingly graphite altered with depth, pervasive graphitic alteration with patchy serpentine. 112.90 113.10 Dark black, graphite altered olivine spinifex textured section. Gradual lower contact.															
113.20	116.50	GRAPHITIC ARGILLITE Graphitic argillite with 10% komatiitic peridotite. Dark black, very fine grained, massive, moderately hard, foliated, non magnetic, highly conductive. Pervasive graphite alteration with rare patches of calcite. Weakly foliated at 40 tca. Good RQD of 80-85% with fracturing at 40 degrees to core axis and 1-2mm dark black graphite fracture filling. 1-2% Dull yellow brown pyrite blebs (2-3cm) and disseminations, trace-0.5% pyrrhotite in pyrite blebs, mineralization non magnetic to very weakly magnetic, no visible pn noted. Gradual lower contact.															
116.50	122.50	KOMATIITIC SPINIFEX PERIDOTITE Pale to dark green-black, fine grained, hard, non magnetic. Weakly serpentine altered, patchy graphite altered. 2-3cm Sized very platy randomly oriented olivine spinifex. 116.50 119.50 5% dull brown mostly pyrite with some pyrrhotite associated exclusively with spinifex texture giving spinifex a orange to brownish coloration. Gradual lower contact.															
122.50	139.00	KOMATIITIC PERID0TITE ADCUMULATE Komatiitic peridotite adcumulate. Dark black, massive, fine grained, homogeneous, hard, non magnetic. Weakly serpentine and patchy weak calcite															

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(%) %
		alteration.															
		RQD of 85%.															
		Fracturing at 65-75 degrees to core axis with very															
		minor calcite and serpentine fracture filling.															
		2-3% White calcite, calcite serpentine and dark															
		green serpentine stringers at various angles 30, 40															
		and 60 tca.															
		Trace-0.5% scattered pyrite and pyrrhotite.															
		Gradual lower contact.															
139.00	158.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, massive sections, fine grained,															
		homogeneous, hard, non magnetic, amygdaloidal.															
		Weakly serpentine altered with rare very minor															
		calcite alteration.															
		10-15% Dark green sub rounded serpentine filled															
		amygdules scattered throughout, locally clustered,															
		2mm-1.5cm sized.															
		Fracturing at 30 and 60 degrees to core axis with															
		serpentine calcite fracture filling.															
		1-2% White calcite and serpentine-calcite stringers															
		at 30-40 degrees to core axis with a few dark green															
		serpentine stringers.															
		0.5% Brassy brown pyrrhotite along															
		stringers/fractures with finely disseminated															
		sections and a few cm sized patches.															
		140.60 A few 1-3cm sized brownish-red															
		blebs/blobs of po.															
		150.00 Unit begins to becomes more massive															
		with around 5% serpentine filled															
		vesicles and localized graphitic															
		fractures.															
		Gradual lower contact.															
158.40	160.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green olivine spinifex texture, blades,															
		randomly oriented, cm sized, locally clustered.															
		0.5%-1% Disseminated to patches of po.															
		Gradual lower contact.															
160.40	262.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black to grey, fine grained, massive,															
		homogeneous, locally amygdaloidal, hard, non															
		magnetic.															
		Weakly serpentine altered.															
		Minor fracturing with a few sections of broken core.															
		Fracturing at 40-60 degrees to core axis with very															
		minor serpentine-calcite fracture filling.															
		5-10% 5mm-1cm Serpentine filled amygdules.															
		1-3% Calcite-serpentine stringers at 60-70 tca.															
		Generally trace pyrrhotite with a few															

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(%) %
		patches/disseminations in local concentrations up to 0.5-1%.															
		165.00 30.00 Cm section of olivine spinifex texture.															
		179.00 201.70 20-30% serpentine filled vesicles with minor sections of pistachio green serpentine alteration.															
		201.70 213.50 Massive section with 2-3% serpentine-calcite stringers/veinlets at 60-70 tca.															
		213.50 217.70 Greyish to green, spinifex section (?), slightly pistachio green serpentine altered, minor broken core, local olivine spots around 217.4.															
		226.30 232.60 Patchy altered grey-green sections with several sections of broken core with minor serpentine fault gouge on fractures, 65% rqd.															
		232.60 262.10 Continued alternating massive sections (5% vesicles) and 20-30% serpentine filled vesicles sections.															
		Gradual lower contact.															
262.10	263.70	KOMATIITIC SPINIFEX PERIDOTITE															
		Greyish to green, serpentine altered dark green olivine spinifex section, randomly oriented blades.															
		Nil sulphides.															
		Gradual lower contact.															
263.70	276.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Pale greenish to grey, fine grained, hard, non magnetic.															
		Weakly serpentine altered with slightly more altered very light green to grey, patchy calcite alteration near lower contact.															
		Minor sections of broken core with a few fractures with serpentine fault gouge.															
		1-3% Serpentine filled vesicles around 3-5mm.															
		1% Low angle calcite stringers.															
		Nil sulphides.															
		Gradual lower contact.															
276.50	290.20	BASALT SHEARED															
		Basalt with sections of biotite alteration.															
		Dark green leucoxinitic basalt sections with dark brown-black biotitic sections, fine to medium grained, massive, hard, non magnetic.															
		Pervasive weak, patchy biotite alteration with patchy calcite and serpentine altered.															
		Good RQD of 85%.															
		Fracturing at70-75 degrees to core axis with															

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(%) %
		generally dark green serpentine fracture filling, scattered calcite filling. 1-3% White calcite stringers/veinlets at 70-75 tca. No visible sulphides. Lower contact at approximately 60 tca.															
290.20	292.10	INTERMEDIATE DYKE															
		Light grey to dark grey, coarse grained, massive, homogeneous, very hard, non magnetic. No reaction to hcl. 15-20% quartz-feldspars, 2-4mm sized. Good RQD of 85%. Fracturing at 60-70 degrees to core axis around 1-2mm of dark green serpentine fracture filling. 0.5-1% White calcite stringers at 70 tca. Nil sulphides. Sharp lower contact at 30 tca.															
292.10	304.40	BASALT SHEARED															
		Dark green, fine grained, massive, homogeneous, hard, non magnetic, leucoxinitic. Minor patches of very weak calcite alteration with a few sections of altering unit more brown. Fracturing at 70-75 degrees to core axis with generally dark green serpentine fracture filling, scattered calcite filling. 2-3% White calcite stringers with associated dull green serpentine (?) at 60-70 tca. No visible sulphides. Lower contact at 60 tca.															
304.40	323.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey with blackish sections, fine grained, massive, hard, non magnetic, weakly amygdaloidal. Weakly ankerite altered with a patchy pistachio green serpentine alteration. 5-8% 2-4mm Serpentine filled amygdules. 2-3% White calcite, serpentine-calcite stringers at various angles 30, 40 and 60 degrees to core axis, a few generations of stringers cross cutting at 30 tca. Fracturing at 30 and 60 degrees to core axis with serpentine calcite fracture filling. Good RQD of 85%-90%. No visible sulphides. Gradual lower contact.															
323.60	340.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black with some dark greyish sections, fine grained, massive, hard, non magnetic. Weakly serpentine 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(%) %
		Good RQD of 90% with rare broken core. Fracturing at 65-75 degrees to core axis with very minor calcite and serpentine fracture filling. 326.00 329.40 20% po-pn mineralization as 4mm-1cm blebs, disseminations and patches/blobs 5mm to 2-3cm, trace chalcopyrite. 3-5% dark green serpentine blotches/vesicles. 329.40 331.40 8-10% po-pn mineralization along fractures/stringers, as blebs/blobs. 331.40 340.70 Scattered po-pn stringers and disseminations, 0.5-1%. Gradual lower contact.															
340.70	349.90	KOMATIITIC SPINIFEX PERIDOTITE Light grey to dark grey, fine grained, massive, homogeneous, very hard, non magnetic. Weakly serpentine and ankerite altered. Excellent RQD of 95%. Fracturing at 40-60 degrees to core axis with very minor serpentine fracture filling. Nil sulphides. Large 2-8cm core sized dark green, randomly oriented, blades of olivine spinifex texture. Gradual lower contact.															
349.90	405.30	KOMATIITIC PERID0TITE ADCUMULATE Dark black, very fine grained, massive, homogeneous, hard, non magnetic. Weakly serpentine altered. Good RQD of 85-90% with a few minor sections of broken core. Fracturing consistently 30 and 40 degrees to core axis with serpentine-calcite fracture filling. 1-2% Primary very faint green-grey serpentine stringers. 2-3% Secondary white-grey serpentine-calcite stringers at 30 and 40 degrees to core axis. A few quartz-calcite stringer/veinlets at 30 and 40 tca. Nil to trace disseminated po. 354.70 8.00 Inch quartz-calcite vein with contacts at 30 tca. 371.00 383.00 A few sections of broken core, maybe 15%. 391.00 Grey to greenish altered section, massive. 395.80 405.30 10-15% sections of broken core. Gradual lower contact.															
405.30	416.30	KOMATIITIC PERIDOTITE MESOCUMULATE															

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(%) %
		Dark grey to blackish, fine grained, moderately hard to hard, non magnetic. Weakly to moderately carbonate altered with a very weak ankerite alteration, local patchy pistachio green serpentine alteration. Good RQD of 85-90% with a few minor sections of broken core. Fracturing at generally 50-60 tca. 3-4% Fairly irregular carbonate stringers, scattered stringers at 50-60 tca. Nil to trace disseminated po. Gradual lower contact.															
416.30	418.40	KOMATIITIC PERID0TITE															
		Komatiitic peridotite/graphitic argillite. Grading from dark grey to black, very fine grained, massive, non magnetic, moderately hard, rare slight conductivity. Weak to moderately graphite altered with highly altered calcite patches. Unit is comprised of 20% dark black graphitic argillite inter flow sediments. Minor broken core with fracturing at 50 degrees to core axis and silvery-black graphitic fractures. Trace pyrrhotite on fractures. Lower contact at 50 tca.															
418.40	419.50	FAULT ZONE															
		Fault zone in graphitic peridotite. 0% RQD, 70-75% recovery. Brecciated sections rehealed with graphite and serpentine fault gouge. Nil sulphides. Patchy serpentine, graphite and calcite. Lower contact at 70 tca.															
419.50	431.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to blackish, fine grained, moderately hard to hard, non magnetic. Weakly to moderately carbonate altered with a very weak ankerite alteration. Good RQD of 85-90% with a few minor sections of broken core. Fracturing at generally 50-60 tca. 1-2% Irregular carbonate stringers. Nil to trace disseminated po. 421.40 421.60 Minor faulted section with local serpentine fault gouge on fractures, 0% rqd. 421.40 421.60 Minor faulted section with local serpentine fault gouge on fractures,															

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% rqd.															
		Gradual lower contact.															
431.10	448.30	KOMATIITIC PERIDOTITE GRAPHITIC															
		Dark black to brown, fine grained, massive,															
		homogeneous, non magnetic, moderately hard.															
		Graphite/biotite altered with a string calcite															
		alteration.															
		Very weak foliation at 50-60 degrees to core axis.															
		Minor fracturing at 30 and 40 degrees to core axis															
		with very minor scattered serpentine and graphite															
		fracture filling.															
		1% Calcite stringers at 20-30 degrees to core axis.															
		A few specks of dull yellow pyrite.															
		431.10 Minor weathered section with															
		associated broken core, 15-20%.															
		434.00 Gradual lower contact.															
448.30	479.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Mostly dark grey with some black sections,															
		fine-medium grained, non magnetic, moderately hard,															
		massive.															
		Weak to moderately carbonate altered, ankerite															
		altered.															
		Good RQD of 80% with a few slightly broken sections															
		of weathered.															
		Fracturing at 60 degrees to core axis with minor															
		carbonate-serpentine fracture filling.															
		Weakly foliated at 60 tca.															
		5-7% Irregular white-grey carbonate stringers.															
		Nil sulphides.															
		454.60 454.80 Minor sections of dark black															
		graphitic broken core with 2-3cm of															
		graphitic fault gouge.															
		448.30 457.00 Dark patches/stringers of graphite															
		alteration.															
		475.50 476.00 Section of mechanically ground up															
		core, reported by drillers as seam.															
		475.00 479.80 Unit becomes increasingly broken,															
		withered and faulted, 60-70% rqd.															
		Lower contact at 50 tca.															
479.80	490.50	QUARTZ FELDSPAR PORPHYRY															
		Grey to dark grey, fine grained, porpheritic, hard,															
		non magnetic, massive, homogeneous, fractured.															
		No reaction to HCl, rare slightly silicified															
		sections.															
		RQD of 75-80% with several sections of broken core.															
		Fracturing at 50-60 degrees to core axis with															
		around 1-2mm dark green to black serpentine															
		fracture filling.															

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(%) %
		20% White, sub rounded, 2-6mm quartz-feldspar phenocrysts.															
		1% White quartz-calcite stringers at 30 tca.															
		Nil sulphides.															
		Lower contact at 45 tca.															
490.50	500.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey, fine grained, massive, moderately hard to hard, non magnetic, faulted, broken, fractured.															
		Weakly ankerite and carbonate altered.															
		Good RQD of 70-75% with a few faulted sections.															
		Fracturing at 30-40 degrees to core axis with minor serpentine fracture filling.															
		Patchy weak foliation at 30-40 tca.															
		Scattered variable angled quartz-calcite stringers.															
		Nil sulphides.															
		490.70 6.00 Inch rehealed fault gouge.															
		498.20 498.50 Faulted section, 0% RQD, silvery-black graphitic gouge.															
500.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349373.00
Easting:	497479.30
Elevation:	295.24
Collar Azi.:	322.3
Collar Dip:	-47.2
Hole length:	401.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	CASING
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	August 8,2007
Purpose:	N/A
Core storage:	HASTINGS FACILITY TIMMINS

*** Dip Tests ***

Depth	Azi.	Dip
20	323.1	-47.6
71	324.0	-48.1
122	326.0	-49.0
173	328.1	-49.6
224	327.7	-50.2
278	329.8	-50.8
329	330.9	-51.2
380	333.7	-51.6

Drill Hole:	GCL7-17
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	1+04N
Easting:	0+50W
GPS Northing:	5349373.02
GPS Easting:	497479.26
Date Started:	July 31,2007
Date completed:	August 8,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	8.70	OVERBURDEN 9m Of nw casing.															
8.70	12.70	KOMATIITIC SPINIFEX PERIDOTITE Dark grey to green, fine grained, hard, non magnetic No reaction to HCl, weakly serpentine altered. Olivine spinifex texture is fine crushed millimeter sized blades at beginning of unit grading into centimeter sized dark green-black platy-bladed likes needles at random orientations. A few serpentine filled amygdules scattered throughout, 5mm-1cm sized. Minor broken sections giving unit 70-75% RQD. Fracturing at various angles but generally 50 degrees to core axis with around 1mm serpentine fracture filling. 0.5% Dull brown-yellow pyrite on fractures (non magnetic). Lower contact at 40 tca.															
12.70	19.90	GRAPHITIC ARGILLITE Graphitic argillite (breccia). Dark black, very fine grained, brecciated, non magnetic, highly conductive. Pervasive graphite alteration with patches 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(%) %
		calcite.															
		Brecciated throughout with grey-green, subrounded, less than 1mm fragments of peridotite up to cm sized sub rounded to sub angular fragments.															
		Several section of broken/fracture core with around 1mm black-silver graphitic fractures.															
		75% Rqd.															
		Trace-0.5% dull brown yellow pyrite on fractures (non magnetic).															
		18.00 Local brown-orange oxidized fractures/stringers.															
		Sharp lower contact at 25 tca.															
19.90	32.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Grey to green, fine grained, hard, non magnetic.															
		Weakly serpentine altered.															
		Minor broken sections giving unit 80-85% RQD.															
		Fracturing at various angles 30 and 60 degrees to core axis with 1-2mm serpentine fracture filling.															
		Scattered orange-brown oxidation on fractures.															
		1-2% Dark green serpentine vesicles, sub rounded 1-5mm sized.															
		1-2% Grey-white hairlike serpentine and serpentine calcite stringers at 30 and 50-60 tca.															
		Trace-0.5% dull brown yellow pyrite on fractures (non magnetic).															
		24.30 25.70 Weakly graphite altered brecciated section, 3-5mm sub angular fragments.															
		Gradual lower contact.															
32.50	37.60	KOMATIITIC SPINIFEX PERIDOTITE															
		Scattered dark green olivine spinifex texture, randomly oriented, millimeter to centimeter sized.															
		Local brecciation/fracturing with tiny blebs/patches of pyrrhotite-pentlandite, trace pyrite on fractures.															
		2-3% 1-5mm Sub rounded serpentine filled amygdules and random clots.															
		1-2% Blebs/patches of pyrrhotite-pentlandite associated with local fractures/ brecciation, 1-3mm sized.															
		Trace pyrite on fractures.															
		Gradual lower contact.															
37.60	50.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black to dark grey, fine gained, massive, homogeneous, non magnetic, hard, locally adcumulate (?).															
		Very weak patchy serpentine and calcite.															
		Good RQD of 90-05%.															
		Fracturing at 35-40 degrees to core axis with 1-3mm															

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(%) %
		white calcite and dark green and grey white serpentine filling. 1-2% Hairlike calcite, serpentine and serpentine-calcite hairlike stringers. Stringers at various angles 30-50 degrees to core axis with a few secondary cross cutting stringers at 15-20 tca. 5-10 Dark green-black serpentine amygdules, sub rounded, distributed 1-2m before lower contact. Nil to trace disseminated brassy-brown pyrrhotite scattered throughout unit with 10-15 tiny sub rounded pyrrhotite-pentlandite blebs, 2-5mm sized (38.9-39.3). Gradual lower contact.															
50.60	54.70	KOMATIITIC SPINIFEX PERIDOTITE Dark black to dark grey, fine grained, weakly serpentine altered matrix with a few scattered serpentine filled vesicles. Grey-white altered olivine spinifex, randomly oriented, tightly meshed, platy spinifex. Gradual lower contact.															
54.70	63.80	KOMATIITIC PERID0TITE ADCUMULATE Dark black to dark grey, fine grained, locally massive, amygdaloidal, non magnetic, hard. Weakly serpentine altered. Unit alternates between more massive sections with a few serpentine filled amygdules to sections of up to 10-15% serpentine filled amygdules. 80% RQD with a few minor sections of broken core. Fracturing at 40-60 degrees to core axis with predominately dark green serpentine and some calcite fracture filling locally. Trace disseminated pyrite with a few local pyrrhotite-pentlandite blebs in very local concentrations. 59.40 59.70 30cm white calcite-quartz vein. 60.00 63.80 10-15% dark green 2-8mm serpentine filled vesicles. Gradual lower contact.															
63.80	65.70	KOMATIITIC SPINIFEX PERIDOTITE Dark black to dark grey, locally massive and amygdaloidal unit with faint patches of dark black olivine spinifex. Trace-0.5% disseminated pyrrhotite. Gradual lower contact.															
65.70	75.50	KOMATIITIC PERID0TITE ADCUMULATE Dark grey to dark black, fine grained, massive, non magnetic, hard, homogeneous, amygdaloidal.															

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(%) %
		Weakly serpentine altered.															
		A few minor sections of broken core.															
		Fracturing at 30-40 degrees to core axis with minor															
		dark green serpentine fracture filling.															
		0.5% Dark green 5mm serpentine filled vesicles.															
		0.5% Pyrrhotite-pentlandite as local															
		disseminations, locally along factures and as 3-5mm															
		blebs/patches.															
		1-2% Dark green serpentine stringers with greyish															
		white halo's at 40 tca.															
		74.50 75.50 Dark black fine grained, graphitic															
		section, weakly conductive, nil															
		sulphides, 1-2% white serpentine															
		stringers at 50 tca.															
		Gradual lower contact.															
		5 Grey to green, fine grained, mesocumulate,															
		spinifex textured, altered, mineralized.															
75.50	76.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Patchy weak graphite alteration with a weak															
		pervasive serpentine alteration.															
		Randomly oriented dark green olivine spinifex															
		texture scattered throughout, generally thin mm															
		thick blades with lengths of up to 4-5cm.															
		75.50 75.70 10% sulphides, 8-9% dull brown brassy															
		fine grained, pyrrhotite blebs/patches,															
		irregularly shaped with some sub															
		rounded to sub angular-angular, 1-2%															
		tiny pentlandite-pyrrhotite blebs															
		2-4mm, oval.															
		76.20 76.90 Mineralization consists of 20-25% dull															
		brown-brassy semi massive pyrrhotite															
		patches with 1-3% dull brown															
		pyrrhotite-pentlandite stringers, tiny															
		blebs and dissemination, mineralization															
		is also cut by a few very tiny mm sized															
		chalcopyrite stringers.															
		Gradual lower contact.															
76.90	121.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to green, fine grained, locally massive															
		and amygdaloidal, non magnetic, hard.															
		Unit alternates between more massive sections with															
		a few serpentine filled amygdules to sections of up															
		to 20% serpentine filled amygdules. Intensity of															
		amygdules is highest seen to date.															
		Weakly serpentine altered with rare sections of															
		more intense pistachio green alteration.															
		Localized sections of broken core otherwise fairly															
		competent, 85-90% rqd.															
		Fracturing at 40-50 degrees to core axis with dark															

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(%) %
		green and white serpentine fracture filling.															
		1-2% White, dark green and occasionally pistachio															
		green serpentine stringers at various angles 40-50															
		and 75 tca.															
		Nil to trace disseminated pyrrhotite.															
		90.70 91.30 0.															
		110.50 Unit is locally cut by calcite															
		stringers at 40-50 degrees to core															
		axis with local calcite healed															
		breccia.															
		Blank.															
		Gradual lower contact.															
121.50	123.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale grey to green, altered, mesocumulate.															
		Weakly serpentine-calcite altered.															
		Randomly oriented dark green to altered grey blades															
		of olivine spinifex texture.															
		Trace pyrrhotite.															
		5-6 White-greyish stringers at 70 tca.															
		Gradual lower contact.															
123.20	173.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green to dark black, fine grained, locally															
		massive, amygdaloidal, hard, non magnetic.															
		Pervasive weak serpentine alteration with patches															
		of very weak calcite alteration.															
		5-10% Dark green serpentine filled amygdules with															
		local serpentine/peridotite filled clots.															
		Good RQD of 85-90%.															
		Fracturing at 50 degrees to core axis with															
		serpentine-calcite fracture filling.															
		Nil to trace pyrrhotite in matrix and on fractures															
		with a few tiny blebs of pyrrhotite-pentlandite															
		around 137.4.															
		1-2% White, white-grey calcite and															
		calcite-serpentine stringers at 50-60 tca.															
		138.00 Unit becomes more massive with 2-3%															
		vesicles and increased															
		broken/fractured core with															
		calcite-serpentine healing.															
		168.50 173.90 Mineralized section contained 10-15%															
		sulphides as a mix of tiny oval 1-3mm															
		pyrrhotite-pentlandite blebs up to															
		3cm with oval to irregular shaped															
		patches/blebs up to 6cm, trace-0.5%															
		disseminated pyrrhotite-pentlandite,															
		local pyrrhotite-pentlandite on															
		fractures in sections of higher															
		mineralization concentrations.															
		Gradual lower contact.															

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(%) %
173.90	205.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Similar to previous unit but more mesocumulate textured.															
		Dark green-grey to black, fine to almost medium grained sections, non magnetic, hard, locally amygdaloidal with large massive sections.															
		Weakly serpentine altered.															
		Minor localized broken core, overall RQD of 85%.															
		Fracturing at various angles 30, 60 and 70 degrees to core axis with serpentine fracture filling, locally calcite.															
		Rare generally grey-white calcite-serpentine stringers at 40tca.															
		Mineralization consists of generally trace-1% po-pn with sections of blebs/patches with 5-30% sulphides.															
		173.90 177.80 Mineralization consists of around 30% po-pn sulphides mineralization, 10% 2mm-2cm blebs, 15-20% patches and 2-3% disseminations.															
		177.80 185.70 3-5% po-pn sulphide mineralization, 4% patches/blebs, 0.5%-2% disseminations and stringers starting around 183.															
		185.70 197.40 Unit becomes very massive and more adcumulate with trace-1% disseminated pyrrhotite, maybe pn, no more vesicles.															
		197.40 205.50 Section of broken/fractured core, increased calcite-serpentine fracture filling 3-5mm, 65% rqd.															
		Gradual lower contact.															
205.50	211.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green to grey, fine grained, massive, homogeneous, altered, local spinifex texture, hard, non magnetic.															
		Pervasive weak serpentine with patches of calcite alteration.															
		Minor generally cm sized blades of dark green olivine spinifex. Spinifex are rare and very faint, however some maybe masked by alteration.															
		Structure consists of minor fracturing at 30-40tca with serpentine-calcite fracture filling. 85% rqd.															
		Mineralization: rare white calcite stringers at 40 degrees to core axis with trace pyrrhotite.															
		Gradual lower contact.															
211.20	220.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, fractured, hard, non magnetic.															

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(%) %
		Weakly serpentine altered, no reaction to hcl.															
		Minor fracturing at 60 degrees to core axis with															
		serpentine-calcite fracture filling, 95% rqd.															
		2-3% Calcite-serpentine, white-grey															
		stringers/veinlets, hairlike-1.5cm, rare pistachio															
		green serpentine stringers.															
		Nil to trace disseminated po.															
		Lower contact at 75 tca.															
220.80	224.00	FAULT ZONE															
		Fault zone in komatiitic peridotite adcumulate															
		(massive).															
		Same composition as above.															
		0% RQD, poorly recovery.															
		Trace local grey serpentine fault gouge 4mm.															
		Lower angle fracturing at 0-30 degrees to core axis															
		with 3-5mm serpentine fracture filling with a few															
		fractures with some gouge.															
		Nil sulphides with trace ripped up calcite															
		stringers.															
		Lower contact in ruble indiscernible.															
224.00	270.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to green, fine to medium grained,															
		massive, hard, homogeneous.															
		Weak serpentine alteration with sections of weak															
		carbonate-ankerite alteration.															
		2-3% White to greyish white calcite-serpentine															
		stringers 2mm-3cm.															
		Greyish coloration seems to indicate slightly more															
		altered sections, 25-30%, carbonate (?), some talc															
		alteration locally.															
		Nil sulphides until around 235m then trace amounts															
		associated with stringers/veinlets.															
		Good RQD of 85-90%.															
		Fracturing at 70 degrees to core axis with a few at															
		40-50 degrees to core axis with serpentine and															
		scattered carbonate fracture filling.															
		238.00 239.60 Light greyish dyke or altered															
		section, no obvious contacts,															
		massive, weakly ankerite-serpentine															
		altered, nil sulphides.															
		235.50 262.20 Numerous sections of very minor															
		broken core with occasional minor															
		fault gouge., RQD 75-80%, local															
		disking.															
		253.50 5cm serpentine fault gouge in very															
		minor section of broken core.															
		254.00 256.30 Light greenish grey															
		serpentine-ankerite altered section.															
		256.90 261.10 Blackish to brown, weak patchy															

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(%) %
		biotite alteration, 20-25% biotite in matrix.															
		Gradual lower contact.															
270.20	273.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey to green, fine to medium grained, massive, hard, non magnetic.															
		Weakly serpentine-ankerite altered.															
		Rare fracturing at 60 degrees to core axis with very minor green serpentine fracture filling.															
		Fairly indistinct mm to cm sized dark green olivine spinifex texture scattered randomly through unit.															
		0.5% White calcite stringers at 40-50 degrees to core axis with, hairlike to 1cm, rare greyish-white calcite-serpentine stringers.															
		0.5% Brassy brown pyrrhotite disseminations (flakes) with rare pyrrhotite associated with or as minor stringers, trace pn (?).															
		Gradual lower contact.															
273.80	292.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black to dark grey, very fine to fine grained, massive, homogeneous, non magnetic.															
		Unit alternates between massive mesocumulate, more altered mesocumulate greenish coloration, and massive adcumulate sections.															
		Weakly serpentine altered with greenish sections indicating more of a slightly moderate alteration.															
		Fracturing is consistently around 65-70 degrees to core axis with random combinations of serpentine, serpentine-carbonate and quartz-calcite-carbonate.															
		2-3% White to greyish white and green-white calcite-serpentine, quartz-serpentine-carbonate stringers.															
		273.80 284.90 No visible sulphides identified until around 284.2m then 0.5% brassy brown pyrrhotite patches mm sized with a few specks of dull yellow pn within pyrrhotite patches.															
		284.90 287.10 Greenish more serpentine altered mesocumulate sections with around 15% sulphides consisting of mm-cm sized po-pn blebs/patches, disseminations and locally associated with stringers/fractures. The mineralization appears in clusters scattered throughout interval.															
		287.10 289.20 Dark greyish-black, cloudy appearance, mesocumulate to adcumulate, 15-20% sulphides as 15-18% disseminated patches/flakes 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(%) %
		po-pn, 1-2% mm sized blebs of po-pn with around 1% po-pn associated with 50-60 degrees to core axis serpentine stringers.															
		289.20 290.20 30-35% or more sulphides as disseminated patches of po/pn with localized blebs, mm sized stringers and some po/pn on fractures, net textured (?).															
		290.20 292.70 5-7% po-pn patches, disseminations and stringers, more adcumulate.															
		Gradual lower contact.															
292.70	297.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to green, fine to medium grained, massive, homogeneous, non magnetic, hard.															
		Weakly serpentine altered.															
		Fracturing at 50 degrees to core axis with serpentine fracture filling.															
		1% White-grey serpentine stringers at 50 and 70 degrees to core axis.															
		3-5% Po-pn as blebs, patches and disseminations with 8 inch section of 20% po/pn at 295m.															
		Gradual lower contact.															
297.50	334.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, fine grained, massive, non magnetic, homogeneous, local mesocumulate to adcumulate sections.															
		Weakly serpentine altered, no reaction to hcl.															
		Good RQD of 90-95% with localized sections of broken/fractured core.															
		Fracturing at 65-70 degrees to core axis with predominately dark green serpentine fracture filling.															
		2-3% Hairlike grey-white serpentine stringers at 60 tca. A few scattered white calcite-quartz stringers/veinlets at 30 tca.															
		Nil to trace disseminated po.															
		297.50 302.80 Mesocumulate to adcumulate section, grey to green colored grading to massive black.															
		318.40 35cm light pistachio green serpentine altered section.															
		329.00 334.70 Grey altered section to lower contact.															
		Gradual lower contact.															
334.70	336.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green blades of olivine spinifex texture at random orientations, 3-5cm.															
		Spinifex are set in green to black matrix, fine															

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(%) %
		grained, non magnetic, hard.															
		Serpentine altered.															
		Nil sulphides.															
		Gradual lower contact.															
336.10	340.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, very fine grained, massive,															
		homogeneous, hard, non magnetic.															
		Patchy very weak serpentine alteration.															
		2-3% White-grey to greenish serpentine stringers at															
		40-50 tca.															
		Nil sulphides.															
		Gradual lower contact.															
340.00	342.80	FAULT ZONE															
		Fault zone in komatiitic peridotite adcumulate															
		(massive).															
		Several broken/ fractured/ brecciated sections of															
		broken core with serpentine gouge rehealing and															
		calcite-serpentine fracture filling.															
		50% RQD with a few sections of poorly recovery.															
		Nil sulphides.															
		1-2% 40-50 Degrees to core axis serpentine															
		stringers with a few minor quartz-calcite															
		stringer/veinlets at 20 and 60 tca.															
		Gradual lower contact.															
342.80	351.40	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 336.1-340.															
		Lower contact at 60 tca.															
351.40	352.30	GRAPHITIC ARGILLITE															
		Graphitic argillite/ peridotite.															
		Dark black, very fine grained, massive,															
		homogeneous, moderately hard, non magnetic,															
		conductive.															
		No reaction to HCl, weakly graphite altered.															
		Non conductive to highly conductive sections.															
		65% RQD with minor broken core.															
		Fracturing at 30-40 degrees to core axis with															
		silvery-black graphitic fractures.															
		Trace-0.5% brassy brown pyrrhotite on fractures.															
		Lower contact at 40 tca.															
352.30	354.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey-black with altered green sections, fine															
		grained, non magnetic, moderately hard.															
		Patchy weak to moderate serpentine alteration.															
		Very faint dark grey to black olivine spinifex															
		texture as mm-cm sized blades changing to cm sized															
		platy blades masked by serpentine 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(%) %
		Rare pyrrhotite in matrix and associated with stringers/fractures. Gradual lower contact.															
354.20	377.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey to black, massive, homogeneous, fine grained, hard, non magnetic. Patchy weak to moderate serpentine alteration with sections of weak ankerite alteration. Good RQD of 90-95% with rare sections of broken core. 3-5% White and grey white calcite, serpentine and calcite-serpentine stringers at 60-70 degrees to core axis, generally hairlike. Half dozen or so white quartz-carbonate stringer/veinlets at 70-75 tca. Nil to trace po. 371.00 Unit becomes more grey in color with increased patchy serpentine-ankerite alterations. Lower contact at 40 tca.															
377.20	401.00	KOMATIITIC PERIDOTITE GRAPHITIC															
		Unit is a mix of graphitic peridotite with sections of a more graphitic argillites. Dark black to grey and brownish, very fine to fine grained, massive, hard, fractured, locally faulted, non to highly conductive. Pervasive graphitic alteration with rare localized calcite and increased serpentine with depth. Several sections of broken core from 30cm to 2-3m, generally associated with highly graphitic sections. Fracturing at low angles 20-40 degrees to core axis with around 1-2mm silvery-black graphitic fractures. 1-2% Irregular calcite stringers until around 391.8 when they become more regular at 50-60 tca. Rare white-grey serpentine stringers. Nil to trace pyrrhotite and py. 379.80 380.70 Dark black highly fractured/broken section, 40-50% rqd. 391.30 391.80 Minor faulted section, 0% rqd. 397.00 399.00 Trace-0.5% patches of with trace pyrite, locally on fractures.															
401.00		END OF HOLE															

Date: 4 Dec, 2008 GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349421.00
Easting:	497478.30
Elevation:	294.65
Collar Azi.:	328.5
Collar Dip:	-45.6
Hole length:	302.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	CASING
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	July 26,2007
Purpose:	N/A
Core storage:	HUGHES FACILTY TIMMINS

*** Dip Tests ***

Depth	Azi.	Dip
20	328.3	-45.7
71	331.7	-46.2
122	332.3	-46.4
173	334.4	-46.3
224	336.4	-46.6
275	337.0	-46.7

Drill Hole:	GCL7-16
Project:	LANGMUIR ZONE
Property:	LANGMUIR
Claim:	4203498
Northing:	1+44N
Easting:	0+25W
GPS Northing:	5349421.08
GPS Easting:	497478.24
Date Started:	July 25,2007
Date completed:	July 31,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	8.40	OVERBURDEN 9m Nw casing.															
8.40	27.50	KOMATIITIC PERID0TITE ADCUMULATE Dark black to dark green, very fine grained, hard, non magnetic, amygdaloidal, rare massive sections. Weakly serpentine altered, no reaction to HCl. 10-15% Serpentine filled spheres, amygdules, sub rounded, less than 1mm up to 1cm sized, decreasing with depth. 10% Minor sections of broken core. 85-90% RQD. Fracturing at 50-60 degrees to core axis with less than 1mm and up to 2mm white to green serpentine fracture filling. 1-2% White-green hairlike to 8mm serpentine stringers at various angles generally 70-75 but some at 20-30 tca. Nil to trace very finely disseminated brassy brown pyrrhotite. Gradual lower contact.														
27.50	68.00	KOMATIITIC PERID0TITE ADCUMULATE Dark black to dark green, very fine grained, hard, non magnetic, vesicular, massive, homogeneous,														

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(%) %
		locally mesocumulate.															
		Weakly to weak-moderate local serpentine alteration.															
		Good RQD of 90-95% with very minor sections of															
		broken core.															
		Fracturing at 50-60 degrees to core axis with less															
		than 1mm and up to 2mm white to green serpentine															
		fracture filling.															
		1-2% White-green hairlike serpentine stringers with															
		a few serpentine stringer/veinlets up to 1cm.															
		27.50 34.00 Nil to trace very finely disseminated															
		brassy brown pyrrhotite, locally.															
		34.00 38.00 Trace-0.5% brassy brown pyrrhotite and															
		yellow-brown pentlandite.															
		38.00 40.50 Mesocumulate, 8-10% finely disseminated															
		pyrrhotite -pentlandite, 10-15%															
		red-brown pyrrhotite -pentlandite and															
		yellow-brassy pentlandite -pyrrhotite															
		patches, a dozen or so brassy 5-8mm															
		blebs of pentlandite with brassy brown															
		pyrrhotite, a few hairlike stringers of															
		pyrrhotite -pentlandite associated with															
		serpentine stringers/fractures.															
		40.50 43.20 Mesocumulate-adcumulate, 5-10% finely															
		disseminate pyrrhotite -pentlandite, a															
		few scattered patches and thin hairlike															
		stringers/fractures of pyrrhotite															
		-pentlandite.															
		43.20 50.40 Mesocumulate, 1-3%															
		pyrrhotite-pentlandite as fine															
		disseminations and along															
		stringers/fractures, 2% hairlike															
		serpentine stringers, increased local															
		fracturing with some gouge on fractures.															
		50.40 59.40 Adcumulate-mesocumulate, 2-4% finely															
		disseminated pyrrhotite -pentlandite, a															
		few brassy brown pyrrhotite															
		-pentlandite stringer/fractures.															
		59.40 63.00 Dark grey to black, patches, light															
		green moderate serpentine alteration,															
		nil-trace sulphides.															
		63.00 68.00 Dark grey to black, massive, nil-trace															
		sulphides.															
		Gradual lower contact.															
68.00	70.70	KOMATIITIC SPINIFEX PERIDOTITE															
		Light grey-green, medium grained, altered,															
		brecciated.															
		Weakly ankerite-dolomite altered with very weak															
		pervasive serpentine alteration.															
		Faint irregular foliation at 60-65 tca.															
		Weakly brecciated locally with dark green-black															

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(%) %
		serpentine healing.															
		Randomly oriented and scattered platy olivine spinifex with rare local blades.															
		A few white-grey stringers at 40-50 tca.															
		0.5% Disseminated flaky brassy brown pyrrhotite.															
		Gradual lower contact.															
70.70	114.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black to dark green, very fine grained, hard, non magnetic, massive, homogeneous, locally mesocumulate.															
		Weakly serpentine altered, no reaction to HCl.															
		Fracturing at 50-70 degrees to core axis with white calcite and dark green serpentine fracture filling.															
		Good RQD of 90-95% with very minor sections of broken core.															
		1-3% Calcite, serpentine and calcite -serpentine stringers /veinlets, hairlike to 1.5cm thick, stringers /veinlets at 10, and 30-50 tca.															
		Nil-0.5% disseminated flaky brassy brown pyrrhotite.															
		79.50 81.70 A few 30-35cm white-green serpentine -calcite -carbonate stringers at 10 degrees to core axis with local healed breccia.															
		81.70 84.50 Grey to green, highly calcite altered section, adcumulate to mesocumulate, nil sulphides, serpentine -carbonate fracture filling, massive.															
		84.50 95.50 Komatiitic basalt (?), altered peridotite, massive, weakly brecciated, brownish-red alteration, coloration, gradual contacts.															
		95.00 Weak carbonate alteration begins.															
		103.80 104.60 Broken core, poorly RQD 50-60%, fracturing at 10-20 degrees to core axis with 2-4mm carbonate -serpentine fracture filling.															
		Broken core to 1m or so to lower contact, sharp lower contact at 30 tca.															
114.80	116.50	INTERMEDIATE DYKE															
		Intermediate dyke to felsic dyke.															
		Grey to dark grey, medium to coarse grained, massive, homogenous, moderately hard to hard.															
		No visible mineralization.															
		95% Rqd.															
		Sharp lower contact at 40 tca.															
116.50	142.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Komatiitic peridotite mesocumulate to adcumulate.															
		Dark black-grey, massive, homogeneous, 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(%) %
		local very weakly magnetic, hard.															
		Weak to moderate pervasive carbonate alteration with very weak serpentine locally.															
		Minor sections of broken core giving unit overall RQD of 80-85%.															
		Fracturing at 30-40 and 60-70 degrees to core axis with 1-5mm carbonate and serpentine fracture filling.															
		2-3% Serpentine, calcite, serpentine -calcite, serpentine -carbonate stringer /veinlets at various angles 10-20 and 50-60 degrees to core axis, hairlike- 2cm.															
		Rare-trace disseminated pyrrhotite, trace localized bright brown yellow pyrite on fractures.															
		140.10 142.40 Light grey, massive, weakly ankerite with very weak serpentine, 1% white-grey quartz-carbonate stringers at 50 degrees to core axis, nil sulphides, grades into greyish-green section for 0.5m, more serpentine altered with some local graphite in matrix.															
		Lower contact in broken core, approximately 60 tca.															
142.40	143.20	GRAPHITIC ARGILLITE															
		Dark black, very fine grained, moderately soft to moderately hard, non magnetic, non conductive to highly conductive.															
		Moderately to highly calcite altered with weak graphite alteration.															
		Highly fractured, 0% RQD, fracturing at 25-40 degrees to core axis with silvery-black graphite fracture filling.															
		Weak local foliation visible, foliation at 30-40 tca.															
		No visible mineralization.															
		Lower contact at 30-40 tca.															
143.20	146.60	MAFIC INTRUSIVE															
		Grey to brown, medium grained, massive, homogeneous, moderately hard to hard, non magnetic.															
		Highly calcite altered.															
		Minor sections of broken core, RQD of 75-80%.															
		Fracturing at 25 and 50-60 degrees to core axis with green-black serpentine fracture filling, 1-3mm.															
		A few silvery-black graphitic fractures in sections of broken core.															
		0.5% White calcite stringers at 50-60 tca.2-3mm wide.															
		0.5% Dull brown-yellow along fractures and locally disseminated.															

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 50 tca.															
146.60	149.40	KOMATIITIC PERID0TITE Pistachio green-grey, altered, foliated, spotted, fine grained, moderately hard, non magnetic. Highly calcite altered locally but generally moderately altered, weak-moderately talc altered. Moderate 40 degrees to core axis foliation. 65-75% RQD local section of broken core, minor fracture/fault zone. Fracture filling consists of calcite -carbonate -serpentine, 1-4mm with local gouge on fractures. Oval spots of peridotite scattered throughout unit, maybe 10%, less than 1mm up to 2-3mm. 0.5% White calcite stringers cross cutting foliation at around 30-40 tca. No visible sulphides.															
149.40	161.60	PERIDOTITE Dark black to brown, very fine to fine to medium grained, massive, homogeneous, non magnetic, foliated. Highly calcite altered with a weak local graphite alteration. Generally 5-10% biotite with up to 25-30%. Weakly foliated at 40 tca. Competent unit, 90-95% rqd. Fracturing at 30-40 degrees to core axis with dark green-black serpentine fracture filling. Various generations of white calcite stringers at 20-30 and 50 degrees to core axis with a few cross cutting at 30 tca. Trace-0.5% dull yellow-brown coarse pyrite associated with stringers/fractures. Gradual lower contact.															
161.60	179.40	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey to black, fine grained, massive sections, moderately hard to hard sections. Weakly calcite altered for 0.5m from upper contact with 2-3 metre of dark black graphite alteration on both upper and lower contact, otherwise unit consists of a weak carbonate-ankerite-serpentine alteration. Intact unit with overall RQD of 80-85% with increased fracturing and local broken core associated with graphitic sections. Fracturing at various angle but generally 70-80, lower angled fracturing generally associated to graphitic sections. Fracture filling consists of minor calcite on upper															

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(%) %
		contact, less than 1mm silvery-black graphite on numerous fractures 2-3m from both upper and lower contact, predominate filling consists of less than 1mm to 3-4mm of white carbonate.															
		170.30 171.00 Minor KOMATIITIC SPINIFEX PERIDOTITE, local blades of irregularly oriented olivine spinifex texture.															
		174.80 175.20 Broken core, minor fault (?). Gradual lower contact.															
179.40	193.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black to dark grey, fine grained, carbonatized, non magnetic, foliated, sheared, non magnetic, moderately soft to moderately hard. Moderately carbonate-ankerite altered. Locally weakly foliated with a more moderate foliation/shearing occurring with depth at 60 degrees to core axis. Fracturing at 60-70 degrees to core axis with carbonate-serpentine fracture filling. 3-5% White-greyish quartz- carbonate stringers/veinlets at various angles 30-50 tca. Rare pyrite associated with stringers, veinlets and fractures. Sharp lower contact at 40 tca.															
193.80	200.50	PYROXENITE															
		Pyroxenite intrusive, maybe a basalt. Dull green to grey, fine-medium grained, massive, homogeneous, mottled, moderately hard, non magnetic. No reaction to HCl, moderately ankerite altered. White 1-2mm spots throughout appear to be feldspars with 1-2% biotite. Several sections of broken core with overall RQD of 75%. Fracturing at 30-40 degrees to core axis with minor less than 1mm serpentine fracture filling. A few low angle white-grey carbonate stringers. Rare pyrite on fractures.															
		200.00 200.40 Broken core 0% RQD with low angles fractures. Sharp lower contact at 30 tca.															
200.50	225.70	KOMATIITIC PERIDOTITE SHEARED															
		Dark black to dark grey, fine grained, carbonatized, non magnetic, foliated, sheared, non magnetic, moderately soft to moderately hard, adcumulate-mesocumulate. Strongly sheared/foliated at 0-30 degrees to core axis. Fracturing at 20-30 degrees to core axis with local															

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(%) %
		serpentine gouge and serpentine -carbonate fracture filling.															
		10% Carbonate stringers parallel to foliation.															
		Locally schistose.															
		Nil to rare pyrite associated with stringers/fractures.															
		210.50 211.30 Minor fracture/fault zone with up to 1cm serpentine fault gouge.															
		214.50 Unit becomes lighter grey with increased ankerite-carbonate alteration and decreased foliation/shearing.															
		224.80 10cm broken core.															
		Sharp lower contact at 50 tca.															
225.70	238.20	FELDSPAR PORPHYRY															
		Grey to dark grey, medium grained, porpheritic, hard, non magnetic, massive, homogeneous.															
		Patchy very weak silicification.															
		10-20% Oval to sub rounded feldspar phenocrysts, 1-6mm average 4mm.															
		Excellent RQD of 95% with rare broken core.															
		Minor fracturing at 10-15 degrees to core axis and 1-2mm serpentine fracture filling.															
		No visible mineralization.															
		Sharp lower contact 40 tca.															
238.20	257.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate- mesocumulate.															
		Dark grey to black, fine grained, foliated, sheared, moderately hard to hard sections, non magnetic, slightly conductive locally.															
		Weakly calcite and graphite (as bands) altered, locally weakly serpentine altered.															
		80% Of unit moderately to strongly foliated/sheared at 20-30 degrees to core axis with 10-15% graphite-argillite streaks in foliation.															
		Fracturing parallel to foliation at 20-30 degrees to core axis with around 1mm serpentine-graphite fracture filling, a few very minor talcose fractures															
		Fairly good RQD of 80-85%.															
		Slightly conductive fractures locally.															
		5-8% Thin calcite streaks/stringers in foliation at 20-30 tca.															
		Rare finely disseminated pyrrhotite.															
		243.30 Slightly magnetic dark black fine grained streaks/stringers, local magnetite (?).															
		250.00 Unit becomes increasingly talcose with depth.															

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(%) %
257.90	258.80	KOMATIITIC PERIDOTITE GRAPHITIC															
		Dark brown to grey, massive, homogeneous,															
		fine-medium grained, hard, slightly magnetic.															
		5% Biotite in matrix, 2-4% serpentine, 10-20%															
		calcite.															
		Highly calcite altered with a weak biotite															
		alteration.															
		Good RQD of 80-85%.															
		Fracturing at 30-50 degrees to core axis with 2-4mm															
		of serpentine fracture filling.															
		Local 2-3cm calcite veinlets at 50 tca.															
		Trace-0.5% yellow pyrite on fractures.															
		Sharp lower contact at 40 tca.															
258.80	260.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate- mesocumulate.															
		Same as 238.2 to 257.9 with 5% patches/bands of															
		biotite along foliation.															
		259.80 Minor fault with 2-3cm fault gouge on															
		fracture, 30 tca.															
		Sharp lower contact at 30 tca.															
260.80	261.50	KOMATIITIC PERIDOTITE GRAPHITIC															
		Same as 257.9 to 258.8.															
		Sharp lower contact at 40 tca.															
261.50	265.00	FAULT ZONE															
		Fault zone in komatiitic peridotite adcumulate															
		-mesocumulate.															
		Patchy calcite -ankerite, pervasive talc															
		-serpentine alteration.															
		Composed of several minor faults with clay gouge															
		healing, locally weathered and fractured/broken															
		core.															
		60-70% Rqd.															
		Lower contact in ruble.															
265.00	278.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate- mesocumulate.															
		Same general composition as 238.2-257.9.															
		Weakly talc-ankerite altered with rare patches of															
		calcite.															
		Weakly foliated-sheared at 30-40 tca.															
		Gradual lower contact.															
278.10	302.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate- mesocumulate.															
		Pale grey to dark grey-black, homogeneous, non															
		magnetic, moderately soft.															
		Weakly-moderately carbonate -ankerite -talc altered.															
		Speckle-spots 1-3mm of serpentine 3-4m after upper															

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(%) %
		contact.															
		Minor sections of broken core, 85-90% rqd.															
		Fracturing at 20-40 degrees to core axis with 1-5mm															
		carbonate fracture filling.															
		2-3% White-grey quartz -ankerite stringers, low															
		angles, irregular, 20-30 tca.															
		No visible sulphides.															
		293.00 302.00 Increasingly talc-carbonate altered.															
		282.50 282.80 Grey to green, medium grained massive															
		mafic intrusive, hard, sharp contacts															
		at 20 tca.															
302.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349364.00
Easting:	497522.00
Elevation:	294.90
Collar Azi.:	318.5
Collar Dip:	-45.4
Hole length:	500.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS & chained
DH Survey method:	Reflex
Comments:	N/A
Logged by:	Kevin Montgomery
Date(s) logged:	July 17-27, 2007
Purpose:	Undercut #14
Core storage:	HUGHES FACILITY TIMMINS

*** Dip Tests ***

Depth	Azi.	Dip
20	319.9	-45.2
71	320.9	-46.0
122	322.6	-46.6
173	324.5	-47.5
224	324.6	-47.7
275	326.6	-48.8
326	328.3	-49.4
377	331.3	-49.6
428	331.6	-49.8
479	333.5	-50.0
500	335.0	-50.1

Drill Hole:	GCL7-15
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	0+79N
Easting:	0+25W
GPS Northing:	5349363.76
GPS Easting:	497522.04
Date Started:	July 17, 2007
Date completed:	JULY 25, 2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	8.40	OVERBURDEN Casing to 9m.															
8.40	8.80	KOMATIITIC PERIDOTITE MESOCUMULATE Green, fine grained, massive, non-magnetic, mesocumulate peridotite. Lower contact sharp but orientation indiscernible due to blocky core.															
8.80	9.30	GRAPHITIC ARGILLITE Black very fine grained homogenous graphitic argillite band. Very blocky core rqd-0. Lower contact sharp 35 tca.															
9.30	16.10	KOMATIITIC PYROXENITE Pale green, very fine grained, homogenous, non-magnetic, adcumulate pyroxenite flow. It consists of a fine material of interlocking green pyroxene and black fine olivine needles. The olivine increases downhole from 5% to 25%. Structure: strong fracturing with iron oxidation on fractures, blocky core rqd-50. Lower contact sharp 35 tca.															
16.10	25.10	KOMATIITIC SPINIFEX PERIDOTITE															

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(%) %
		Pale green to blackish green, non-magnetic, olivine spinifex peridotite section.															
		16.10 18.20 Pale green mottled random spinifex section.															
		It is comprised of 30-40% large dark grey olivine hopper laths randomly oriented.															
		The laths are 0.5-3 cm long and 2-3 mm thick. They are hosted by a pale green pyroxinitic matrix.															
		18.20 20.00 Pale green bleached fine random spinifex section of 10% black olivine laths (1-3 mm) in a vfg-aphanitic pale green pyroxene rich matrix.															
		20.00 24.00 Blackish green, knobby, fine olivine spinifex section.															
		It is comprised of 30-40% very fine black olivine laths (1-2 mm) in a pyroxinitic matrix.															
		24.00 24.35 Blackish green, fine chicken scratch spinifex section.															
		It consists of 15% black very fine olivine needles (<1mm thick and 1-2 cm long) in a pale green pyroxinitic matrix.															
		24.35 24.65 Puzzle breccia of dark grey mesocumulate peridotite blocks (1 to 3 cm) with pale green serpentinized orthocumulate peridotite between the blocks.															
		24.65 25.10 Same as 24-24.35 m.															
		Lower contact sharp 35 tca.															
25.10	34.25	KOMATIITIC PYROXENITE															
		Same as 9.3-16.1 metre, 25-30% fine olivine cumulate grains. Biotitic unit.															
		26.00 30.60 Min: 0.5% very fine brassy pyrite or pentlandite disseminations.															
		26.00 26.50 5% fine calcite filled microfractures.															
		30.60 33.40 Serpentinized orthocumulate peridotite (olivine content 50-60%). Contacts gradational.															
		34.05 34.25 Breccia-comprised of 60% pale green aphanitic angular pyroxenite enclosed by very fine grained graphitic material. Minor iron carbonate veinlets (1-2 mm).															
		Lower contact sharp 35 tca.															
34.25	37.65	KOMATIITIC PERIDOTITE GRAPHITIC															
		Black, vfg-aphanitic, massive, homogenous graphite rich (40-50%) peridotite.															
		Lower contact sharp 45 tca.															
37.65	43.90	KOMATIITIC SPINIFEX PERIDOTITE															

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(%) %
		Blackish pale green, random, non-magnetic, spinifex textured section. It is comprised of 10-20% large black olivine laths to fine needles in a pale green aphanitic serpentine/pyroxinitic matrix. Lower contact gradational.															
43.90	91.70	KOMATIITIC PERID0TITE ADCUMULATE															
		Blackish green, very fine grained, non-magnetic, massive adcumulate peridotite (85% olivine). The unit is cut by 2-3% white serp-carbonate filled random fractures and dark green serp veinlets. Structure: weak fracturing rqd-85-90 till 83 metre then weak to moderate RQD 70-75. Min: locally very fine grained brown pyrrhotite disseminations.															
		43.90 44.50 Large irregular 'salt and peppers colored orthocumulate patches (3-12 cm core length) comprising 50% of the section.															
		74.10 74.30 Pale green, very fine grained, breccia zone comprising of angular altered peridotite blocks with black very fine grained serpentine infilling fractures between the blocks.															
		Min:7% very fine grained brassy po-pn disseminations within the fractures and the cores of the peridotite blocks.															
		83.00 87.00 Alteration: mottled serpentinization. It consists of irregular aphanitic aqua green patches of intense pervasive serpentinization.															
		90.00 91.70 Mesocumulate section with local very fine grained brown to brassy pyrrhotite disseminations.															
		Lower contact gradational.															
91.70	94.30	KOMATIITIC SPINIFEX PERIDOTITE															
		Blackish green, non-magnetic, olivine spinifex textured peridotite. The section is quite variable. Good fine random spinifex (20% black fine olivine blades) from 91.7 to 91.8 m. Another good spinifex section from 93.4 to 93.7 metre consisting of 20-25% medium olivine laths to blades (0.5x1-2 cm) in a very fine grained greyish white matrix. Otherwise the section consists of knobby to local blades of olivine cumulate in a grey aphanitic matrix. Lower contact gradational.															

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(%) %
94.30	130.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Black to dark grey, vfg-fg, massive, non-magnetic adcumulate peridotite. The peridotite is composed of 85% white altered olivine (tremolite) cumulate grains with black serpentine aphanitic matrix. It is cut by local white calcite fractures (1-3 mm) or veinlets (5mm) and pale green aphanitic serpentine filled fractures. Structure: moderate fracturing rqd-60 with poorly RQD (0-20) sections at 94.5-95, 99.5-100, 102.5-103, 104-104.3, 105.8-106.3, 106.5-107 and 124.5-125 m.															
		107.90 109.80 7% dark green to black, aphanitic serpentine spheres (vesicles).															
		107.00 108.50 Weak crackle texture of black serpentine fine fractures.															
		110.00 114.00 Same as above.															
		109.80 114.00 Alteration: mottled serpentinization. It consists of irregular aphanitic aqua green patches of intense pervasive serpentinization.															
		115.40 130.20 Same as 107.9 to 109.8 metre, upper particularly (to 121 m) 5-7% vesicles, then 10-15% with some up to 1 cm in diameter.															
		Below 127.8 metre 2-3% to the lower contact of unit.															
		121.50 129.30 Alteration: moderate to intense pervasive serpentinization imparting a greenish hue to the section.															
		Lower contact sharp 45 tca.															
130.20	134.35	MAFIC INTRUSIVE															
		Light pale green, very fine grained, massive homogenous, soft, non-magnetic, mafic intrusive. It is comprised of 10% white plagioclase, 15% grey fine quartz, 60% green chloritized amphibole and 10% fine black amphibole. Same as gcl07-14 78-122 m. Structure: weak fracturing rqd-95 min: nil sulphides. Alteration: moderate pervasive calcite. Lower contact sharp 50 tca.															
134.35	140.15	KOMATIITIC PERID0TITE ADCUMULATE															
		Pale grey, aphanitic, homogenous, non-magnetic, carbonate altered adcumulate peridotite. It contains 5% dark grey serpentine spheres. It is cut by very minor white carbonate stringers to fractures and 1-2% leucoxene specks. Structure: weak fracturing rqd-95 min: nil sulphides. Lower contact sharp 50 tca.															

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(%) %
140.15	208.40	MAFIC INTRUSIVE															
		Green, vfg-fg, massive, homogenous, non-magnetic															
		intrusive. Same as gcl07-14 78-122 m.															
		It is comprised of 15% white plagioclase, 15% grey															
		fine quartz, 60% green chloritized amphibole and															
		10% fine black amphibole.															
		The upper portion to 142.5 metre is aphanitic and															
		similar to 130.2 to 134.35 m.															
		Structure: weak fracturing rqd-95 with local strong															
		fractured sections (rqd-0 to 30) to 166.5-167,															
		168-168.5 and 188-194 m.															
		147.65 152.30 White spotted section consisting of															
		30-70% calcite alteration.															
		153.35 154.80 Pseudo breccia- white calcite altered															
		irregular blocks and dark green very															
		fine grained chlorite-serpentine															
		patches.															
		159.80 160.30 White to grey bleached section of															
		intense pervasive carbonatization.															
		160.30 161.55 Dark grey, very soft, serpentinized															
		peridotite flow selvage section cut															
		by 2-3% white veinlets 30 tca.															
		Either siderite of the peridotite the intrusive is															
		vfg.															
		161.55 163.65 Same as 159.8 to 160.3 m.															
		168.50 White calcite vein (3 cm wide), 45															
		tca.															
		172.70 172.80 Same as above (4 cm), 40 tca.															
		174.70 Same as above, irregular width, 85															
		tca.															
		175.40 Same as above (3 cm), 40 tca.															
		201.50 Same as above (4 cm), 50 tca.															
		Lower contact sharp 10 tca.															
208.40	213.10	KOMATIITIC PERID0TITE															
		Light grey, bleached, very fine grained, altered															
		peridotite containing 2-3% dark green fine spots															
		(possibly unaltered peridotite remnants).															
		Alteration: intense pervasive															
		carbonate-serpentinization completely destroying															
		the original peridotite. This may be contact															
		metamorphism with the mafic intrusive.															
		Structure: weak fracturing rqd-90 min: nil															
		sulphides.															
		Lower contact 25 degrees to core axis, marked by															
		minor gouge and anastomosing serp veinlets.															
213.10	220.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 94.3 to 130.2 m.															
		It is cut by 5-7% white serp-calcite filled															
		fractures and microfractures (local brecciation.															

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(%) %
		Structure: weak fracturing rqd-85 min: nil sulphides.															
		Lower contact gradational.															
220.90	228.60	KOMATIITIC SPINIFEX PERIDOTITE															
		Light grey, aphanitic, soft, non-magnetic olivine spinifex textured peridotite flow top section.															
		220.90 221.40 Finely crackle brecciated aphanitic orthocumulate peridotite (flow top breccia).															
		221.40 222.00 Faint fine random olivine needles (5-7%) in a light grey aphanitic mesocumulate peridotite matrix.															
		222.00 224.00 Same as above but 10% coarser olivine needles (2-5 cm long).															
		224.00 224.40 Very fine grained homogenous aphanitic section weakly microfractured.															
		224.40 225.80 Grey, very fine grained, massive mesocumulate peridotite with moderate pervasive green serpentinization.															
		225.80 226.50 Faint olivine needles? blades.															
		226.50 228.60 Hopper spinifex section- 10-15% random olivine hopper blades.															
		Lower contact gradational.															
228.60	232.55	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 213.1 to 220.9 including veining and structure.															
		Lower contact sharp, 35 tca.															
232.55	234.50	KOMATIITIC SPINIFEX PERIDOTITE															
		Same as 220.9 to 238.6 m.															
		Structure: weak fracturing rqd-95 min: nil sulphides.															
		232.55 233.00 Same as 220.9 to 221.4 m.															
		233.00 234.50 Platy fine olivine spinifex- 20% very fine (<1mm thick), long (up to 5 cm) olivine needles within an aphanitic pale green matrix.															
		Lower contact sharp, 35 tca.															
234.50	235.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Green, very fine grained, massive, non-magnetic, mesocumulate peridotite (70-80% very fine dark grey and black olivine cumulate grains hosted by white matrix.															
		Trace sulphides. Lower contact gradational.															
235.70	239.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Green to blackish green, very 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(%) %
		sulphidic, weakly magnetic locally, adcumulate peridotite. The unit is cut by 10% white serp-calcite veinlets to veins, randomly oriented. Largest vein 5, 5 cm wide and 50 degrees to core axis at 237.1 m. Alteration: moderate to pervasive serpentinization imparting a greenish hue to the unit. 235.90 237.00 Blocky core due to fracturing and veining rqd-10. Lower contact gradational.															
239.60	240.90	NET TEXTURED SULPHIDE ZONE Brownish dark green, fine grained, sulphidized magnetic peridotite flow. The sulphides (40% overall consist of vfg-fg brown to brassy po-pn intercumulus to serpentinized olivine cumulate grains and within dark green aphanitic serpentine matrix. The sulphides are weakly interconnected producing a weak net textured, rare brassy fine grained pyrite present within fine carbonate filled microfractures from 240.3 to 240.9 m.															
240.90	248.00	KOMATIITIC PERID0TITE ADCUMULATE Same as 235.7 to 239.6 m. Structure: weak fracturing rqd-85 to 90. 247.00 248.00 Blocky core due to moderate fracturing rqd-50. Section also cut by white to pale green serp-carb veinlets. Lower contact indiscernible due to blocky core.															
248.00	250.80	MAFIC INTRUSIVE Black, fine grained, massive, biotitic, calcite altered mafic intrusive. It is comprised of 20% biotite, 50% white-grey plagioclase-quartz and 20% amphiboles. It appears the upper (248-248.5 m) and lower margins (250.5-250.8 m) are serpentinized. Structure: strong fracturing rqd-20 and faint foliation 40 tca. Min: nil sulphides. Lower contact sharp, 55 tca.															
250.80	253.20	KOMATIITIC PERID0TITE ADCUMULATE Pale grey, aphanitic, soft, non-magnetic, carbonate altered adcumulate peridotite. Very minor dull white carbonate stringers/fractures. Structure: weak fracturing rqd-85 to 90. Lower contact sharp, 75 tca.															
253.20	254.05	FELSIC INTRUSIVE (UNDIFFERENTIATED)															

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(%) %
		Cream, very fine grained, hard, massive felsic intrusive dyke (aplite) that has been fracture brecciated. Black aphanitic serpentine filled microfractures throughout. Lower contact sharp, 65 tca.															
254.05	257.30	KOMATIITIC PERID0TITE ADCUMULATE Same as 250.8 to 253.2 m. Structure: weak foliation/shearing 35 tca. Upper portion weak fracturing rqd-95 and lower portion (from 256.5 m) moderate fracturing rqd-35. 256.50 257.40 Alteration: moderate to pervasive serpentinization imparting a greenish hue to the unit. Lower contact gradational.															
257.30	266.50	KOMATIITIC PERID0TITE ADCUMULATE Same as 213.1 to 220.9 m. It is cut by 2-5% white calcite-serpentine filled tensional fractures (3 mm) that locally produce a tectonic breccia. Some fractures pale green and 0 to 15 tca. This unit is less altered than 254.05-257.3 metre and contains a little more white matrix (7-10%). Structure: moderate fracturing rqd-60 to 70 min: nil to trace sulphides. Lower contact gradational.															
266.50	292.00	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey, white speckled, homogenous, non-magnetic, mesocumulate peridotite. It is comprised of 80-75% fine black or grey olivine cumulate in partial contact and within a white aphanitic matrix. Structure: very weak fracturing rqd-95. Min: nil sulphides at 266.5-277.7 and 283-292 m. The mesocumulate is cut by 5% white serp-calcite stringers (1-3 mm) to veins (3-5 cm wide). Alteration: upper portion (down to 273 m) has a light grey coloration due to moderate pervasive carbonatization. Lower contact sharp, 50 tca.															
292.00	307.15	BASALT Green, very fine grained, massive, homogenous, non-magnetic, basalt (massive flow or intrusive?). It contains 2-3% fine grained leucoxene specks throughout. The basalt is cut by 1% white calcite filled fractures. Alteration: weak pervasive calcite.															

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(%) %
		The unit is harder than the komatiites.															
		Structure: moderate fracturing rqd-60 to 70 min:															
		nil to trace sulphides.															
		Lower contact sharp and jagged. Orientation is															
		indiscernible.															
307.15	307.65	KOMATIITIC PYROXENITE															
		Green, fine grained, massive, non-magnetic, soft,															
		pyroxenite (20% fine black olivine, 60% fine															
		pyroxene and 10% grey altered olivine cumulate															
		grains interlocked.															
		Lower contact sharp, 45 tca.															
307.65	308.50	GRANODIORITE															
		Greyish white, fine grained, massive, homogenous,															
		hard, non-magnetic, mafic rich granodiorite dyke.															
		It is comprised of 30% white plagioclase, 50% grey															
		quartz and 20% green chloritized amphibole															
		phenocrysts interlocked.															
		307.84 307.94 Quartz vein with very fine grained															
		chlorite selvages and minor calcite.															
		There is a distinct 5mm wide pink															
		potassic alteration halo into the															
		wall rock to the vein.															
		Lower contact sharp, 45 tca.															
308.50	311.90	KOMATIITIC SPINIFEX PERIDOTITE															
		308.50 310.00 Dark green, vfg-aphanitic, intensely															
		serpentinized adcumulate flow with															
		5-7% long olivine blades (weak															
		spinifex).															
		310.00 311.00 Pale green, vfg-aphanitic, random															
		faint spinifex peridotite. It															
		consists of 15-20% serpentinized															
		olivine laths to blades randomly															
		oriented within an aphanitic															
		serpentine rich matrix.															
		311.00 3311.90 Same as 310-311 metre but also															
		crackle brecciated as a result of															
		calcite microfractures and dark															
		green serpentine microfractures.															
		Lower contact sharp and very ragged. Orientation is															
		indiscernible.															
311.90	317.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark green, same as 234.5-235.7 m.															
		It is cut by 3% white to pale green irregular															
		serp-calcite filled fractures and microfractures.															
		Structure: very weak fracturing rqd-95.															
		Lower contact gradational.															

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(%) %
317.00	338.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green, same as 235.7-239.6 m.															
		It is cut by 1-2% white to pale green irregular															
		serp-calcite stringers.															
		331.80 332.30 White very fine grained calcite vein															
		with 15% irregular stretched															
		peridotite selvages. Contacts 15 tca.															
		Lower contact gradational.															
338.00	344.25	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 311.9-317 m. Weakly biotitic, aphanitic															
		below 343 m.															
		Upper particularly (338-341 m) is cut by 2-3% white															
		irregular serp stringers to veinlets.															
		343.60 344.25 Crackle brecciation - 10% fine black															
		serpentine filled microfractures.															
		Structure: weak fracturing rqd-85 to 90 min: nil															
		sulphides till 342 m.															
		Lower contact sharp 50 tca.															
344.25	344.70	GRAPHITIC ARGILLITE															
		Black, very fine grained, foliated/sheared															
		graphitic argillite.															
		Structure: foliation/shearing 40 tca.															
		Lower contact sharp 50 tca.															
344.70	346.25	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale green, vfg-aphanitic, non-magnetic, brecciated															
		serpentinized spinifex peridotite. It consists of															
		10% anastomosing black serpentine fractures crackle															
		brecciaing a spinifex textured flow section.															
		The spinifex consists of 40% pale green serpentine															
		(relic olivine) fine needles to long blades															
		randomly oriented in an aphanitic matrix.															
		Alteration: moderate pervasive serpentinization.															
		Lower contact sharp, but irregular.															
346.25	356.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 311.9 to 317 m.															
		Below 353 metre olivine content increases to 90%															
		and grades into adcumulate.															
		352.35 352.49 White very fine grained															
		serpentine-carbonate vein. Upper															
		contact 30 degrees to core axis and															
		lower contact quite irregular.															
		Lower contact gradational.															
356.10	360.75	KOMATIITIC PERID0TITE ADCUMULATE															
		Black, very fine grained, massive, weakly magnetic															
		adcumulate peridotite (90-95% tightly packed															
		olivine cumulate with white aphanitic matrix).															

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(%) %
		356.10 358.30 White very fine grained serp-carb veinlet flooded section, blocky core rqd-0, talcose altered.															
		359.65 360.75 50% irregular serp-carbonate microfractures/veinlets flooded section. Trace fine grained sulphides locally.															
		Lower contact sharp, 15 tca.															
360.75	361.30	GRAPHITIC ARGILLITE															
		Black, vfg-aphanitic, massive, graphitic argillite with 7% white calcite wisps.															
		Structure: weak fabric 15 degrees to core axis min: nil sulphides.															
		Upper contact sharp with blood red hematite coating. Lower contact indiscernible due to calcite microbrecciation.															
361.30	368.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale green, vfg-aphanitic, non-magnetic olivine spinifex textured peridotite flow top section.															
		The spinifex consists of 15-20% dark green serpentinized olivine blades randomly oriented in an orthocumulate peridotite matrix.															
		The matrix consists of 40-60% dark green serpentinized olivine cumulate grains in a white very fine grained matrix.															
		Lower contact sharp, 35 tca.															
368.00	381.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey, very fine grained, massive, non-magnetic, mesocumulate peridotite flow (75-80% olivine cumulate grains in a white very fine grained matrix). The upper portion (368-371 m) has a salt and pepper appearance.															
		Structure: moderately strong fracturing rqd-50 to 60 min: nil to trace sulphides.															
		372.00 381.50 Moderately intense (30%) irregular carbonate veining.															
		Lower contact gradational.															
381.50	389.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 356.1 to 360.75 m.															
		381.50 386.50 Veining same as 372-381.5m.															
		387.50 389.60 Alteration: weak to moderate carbonatization (soft).															
		387.50 389.00 Blocky core rqd-10.															
		Lower contact gradational.															
389.60	405.00	KOMATIITIC PERIDOTITE GRAPHITIC															
		Dark grey, graphitic, vfg-aphanitic, peridotite															

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(%) %
		(adcumulate to mesocumulate) with black aphanitic graphitic irregular patches throughout. Some patches 10-15 cm in core length (eg 400.5 m). 402.30 402.60 3% white calcite stringers. 402.60 404.00 Black very fine grained aphanitic graphite horizon. Lower contact gradational.															
405.00	414.50	KOMATIITIC PERIDOTITE MESOCUMULATE Light grey, carbonate altered, talcose, non-magnetic, mesocumulate peridotite. It is cut by 10% white anastomosing carbonate stringers/veinlets (1-5 mm) producing a brecciation appearance. Structure: weak fracturing rqd-85. Lower contact sharp, 25 tca.															
414.50	422.40	KOMATIITIC PERIDOTITE SHEARED Grey, mottled, very fine grained, non-magnetic, moderately sheared, biotitic and carbonatized, mesocumulate peridotite flow. Distinct biotitic rich bands (3 mm to 1.5 cm) from 416 to 416.6 metre, that are 25 tca. Very minor white calcite stringers, 25 to 40 tca. Structure: competent rqd-95. Min: nil sulphides. 421.60 422.40 Lower contact margin breccia as a result of 15-20% black very fine grained wispy biotite-graphite streaks or fractures surrounding small blocks of light grey altered peridotite.															
422.40	439.00	KOMATIITIC PERIDOTITE GRAPHITIC Black, very fine grained, massive, homogenous graphite-biotite unit. Possibly an altered mesocumulate peridotite flow unit. Structure: very competent rqd-100. Alteration: pervasive calcite. 425.50 432.00 Min: 0.5% to trace, scattered brassy pyrite as very fine grained disseminations or fine grained infilling in calcite microfractures. Very minor white to grey calcite stringers to veinlets. Lower contact gradational.															
439.00	473.15	KOMATIITIC PERIDOTITE MESOCUMULATE Same as 405 to 414.5 m. Moderate to intense anastomosing white vfg-aphanitic serpentine-carbonate veinlets (up to 1 cm) to fractures.															

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(%) %
		Structure: upper particularly competent rqd-95 to 100, below 463 metre rqd-70. Min: trace very fine grained pyrite disseminations locally. 467.50 473.15 Strongly foliated/sheared section, 45 tca. Lower contact sharp, 50 tca.															
473.15	483.15	FELDSPAR PORPHYRY Grey, homogenous, moderately hard, massive feldspar porphyry. The porphyry is comprised of 30-35% white plagioclase phenocrysts (5 mm in size) within a grey aphanitic felsic matrix. Structure: weak to moderate fracturing, RQD ranges from 80 till 478 metre then 50. 481.00 483.15 Non porphyritic section (chill zone?). Lower contact sharp, 35 tca.															
483.15	500.00	KOMATIITIC PERIDOTITE SHEARED Same as 439 to 473.15 metre, but strongly altered and sheared. Structure: strong shearing to 483.5 and 486 metre 35 degrees to core axis, 490 metre 40 degrees to core axis, 497.5 metre 10 tca. RQD 30 to 50. 498.50 499.00 Local fault gouge slips.															
500.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349387.00
Easting:	497500.20
Elevation:	295.04
Collar Azi.:	315.3
Collar Dip:	-45.2
Hole length:	401.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	Kevin Montgomery
Date(s) logged:	JULY 10-18, 2007
Purpose:	25m E stepout
Core storage:	HUGHES Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
20	314.9	-45.7
71	316.2	-46.4
122	319.0	-47.4
173	320.3	-47.8
224	322.7	-48.0
275	324.3	-48.0
338	327.2	-47.7
401	329.0	-47.9

Drill Hole:	GCL7-14
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	1+04
Easting:	0+25W
GPS Northing:	5349386.77
GPS Easting:	497500.15
Date Started:	JULY 9, 2007
Date completed:	JULY 16, 2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	9.00	OVERBURDEN Casing to 9m.															
9.00	64.30	KOMATIITIC PERID0TITE ADCUMULATE Black vfg-fg, massive, homogenous adcumulate peridotite flow. Blocky core sections (rqd-0) at 9-11, 12.5-14, 24-27.7 and 58.5-61.4 m. Dark green to black serpentine filled amygdules begin at 25 m.and disappear at 64.3 m. 30.60 30.70 Brownish mineral smear (sphalerite or fe oxide) along the margins of fractures. 27.60 32.00 Alteration:light grey bleached section of possibly mesocumulate peridotite (40% black olivine and grey altered olivine cumulate in white matrix. 32.00 41.00 Blocky core due to strong fracturing rqd-40. 20% core loss from 32.5 to 34.5 m. 42.30 45.20 Light greenish grey, vfg-aphanitic homogeneous massive pervasively altered (serpentine-carbonate) adcumulate peridotite section. Grey serpentine vesicles at upper particularly 42.3-43.3 m.															

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(%) %
		45.20 47.00 Dark blackish green, serpentininzed adcumulate cut by anastomosing irregular serpentine filled fractures and containing 2-3 % black serpentine vesicles to globs (1 cm size).															
		47.00 64.30 Same as above but less serpentine fracturing and vesicles.															
		50.00 51.30 Weakly spinifex textured section random to locally knobby olivine blades (10%).															
		51.80 52.40 Core loss.															
64.30	68.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Pale greenish grey, very fine grained to aphanitic, homogenous, massive, non-magnetic, mesocumulate peridotite flow.															
		Possible 10-20 cm long spinifex section at 64.5 m.															
		Min:0.5% very finely disseminated pyrrhotite locally 1%.															
		67.00 68.00 Blocky core due to moderate fracturing.															
		Lower contact gradational.															
68.70	71.65	KOMATIITIC SPINIFEX PERIDOTITE															
		Grey to dark grey, very fine grained, non-magnetic, olivine spinifex peridotite flow section.															
		It consists of 10% black olivine cumulate knobs to blades (1-3 cm long) and 40-50% grey altered olivine cumulate grains.															
		Min:nil. Lower contact gradational.															
71.65	78.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey, very fine grained to aphanitic, non-magnetic, mesocumulate peridotite flow. Local orthocumulate sections.															
		It consists of 60-70% black or dark grey olivine cumulate grains in a grey aphanitic matrix.															
		75.90 76.20 Graphite pepperite section - 20-25% black angular graphite argillite blocks(1-5 cm)in the flow.															
78.00	122.00	MAFIC INTRUSIVE															
		Green, fine grained, very hard, massive, homogenous mafic intrusive (possibly silicified pyroxenite).															
		The intrusive is comprised of interlocking black amphiboles (10%), green pyroxene(55%)and white plagioclase-quartz (30%).															
		It is cut by 1-2% white quartz-carbonate veinlets (<1 cm). Also 5% grey leucoxene specks throughout.															
		Structure: massive with minor fracturing RQD 75-80.															
		Min: nil.															
		The upper particularly (78-81 m) is vfg-aphanitic, mottled chilled margin.															

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(%) %
		The intrusive gets progressively coarser grained downhole. The lower margin is not chilled. Sharp upper contact 20 to core axis and sharp lower contact but orientation not discernable due to gouge slip in the peridotite.															
122.00	125.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green to black very fine grained, massive, homogenous serpentinized adcumulate peridotite flow. Structure: highly fractured and very blocky core RQD 5. Randomly oriented pale green serpentine filled microfractures (<1mm) throughout causing local brecciation. The upper particularly at 122 metre has 20 cm or more fault gouge and then from 122 to 123 metre pale green very fine grained serpentine filled fractures/seams. Min: 0.5-1% very fine grained po-pn disseminations in the competent blocks present. Lower contact gradational.															
125.60	135.95	KOMATIITIC SPINIFEX PERIDOTITE															
		Pale greyish green, very fine grained, soft, altered, non-magnetic, olivine spinifex orthocumulate peridotite flow section. The unit consists of faint spinifex sections of randomly oriented olivine blades (30%) mixed with orthocumulate sections. These orthocumulates consist of grey relic olivine in an aphanitic pale grren matrix. The unit is cut by 2-3% white quartz-carbonate veinlets (up to 1 cm). Alteration: intense pervasive carbonate-serpentine altered matrix and serpentine altered blades. 131.00 134.00 Alteration: intense pervasive silicification (hard). Lower contact gradational, marked by pale green serpentine slip.															
135.95	140.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Blackish green, very fine grained to fine grained, homogenous, massive, non-magnetic, moderately soft mesocumulate peridotite flow. It consists of 80% black or dark grey olivine cumulate grains in a white aphanitic matrix. Unit is cut by 1% pale green aphanitic serpentine filled fractures. Nil sulphide mineralization. 139.70 140.80 Alteration: pale green intense pervasive serpentine-carbonatization. Lower contact gradational and marked by pale green															

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(%) %
		serpentine filled fractures.															
140.80	149.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 122-125.6 m. Lower contact gradational.															
149.00	199.35	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Green to greyish green, very fine grained to fine grained, weakly magnetic, massive mesocumulate peridotite flow. The upper portion (to 152 m) is green with 80% olivine cumulate while the sulphide rich portions contain less olivine cumulate (65-70%). Structure: weak to moderate fracturing rqd-70. Mesocumulate is cut by 1% scattered quartz-serp-carb veinlets. 148.00 153.00 3-4% white irregular quartz-carbonate filled fractures to veinlets (1-3 mm). Local vein at 151.25-151.35 m. 160.00 160.50 Faint random spinifex. 162.00 166.50 Alteration: pale grey hue to section, due to pervasive talc-carbonatization of matrix. 169.40 170.40 A few white quartz-carbonate-serpentine veinlets at 50 to ca. 173.20 173.80 Pale green to white aphanitic serp-carb filled fracture (1 cm wide) at 0-5 to ca. 179.50 198.50 Dark grey, very fine grained, homogenous, non-magnetic, mesocumulate peridotite with trace to nil sulphides. 198.50 199.35 Aphanitic to very fine grained, weakly brecciated by random dark green-black serpentine filled fractures (may be flow top breccia). Lower contact gradational.															
199.35	203.80	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark green, vfg-fg, olivine spinifex textured peridotite flow section. The olivine spinifex is typically random consisting of 30-25% black or dark grey olivine blades to needles and 20% fine olivine cumulate grains. Min:nil to trace sulphides. Very minor white quartz-carb stringers. 203.00 203.80 Alteration:green intense pervasive serpentinization of the matrix. Lower contact gradational.															
203.80	208.00	KOMATIITIC PERIDOTITE MESOCUMULATE															

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(%) %
		Dark grey, very fine grained, homogenous, non-magnetic, mesocumulate peridotite (80-85% very fine olivine cumulate). The unit is cut by 2-3% white quartz-calcite filled fractures randomly oriented. Structure: weak fracturing rqd-80. Min: trace to nil sulphides.															
		206.80 206.90 White very fine grained massive quartz vein, 45 to ca.															
		Lower contact gradational.															
208.00	210.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Blackish green, vfg-fg, serpentinized olivine spinifex textured peridotite flow section. Lower contact gradational.															
210.90	231.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 203.8-208 metre and same amount of veining. Trace very fine grained pyrrhotite finely disseminated throughout.															
		226.00 227.00 Alteration:pale green bleached section of intense pervasive serpentinization.															
		227.00 231.00 Blocky core due to strong fracturing rqd-70.															
		Sharp lower contact 45 to ca.															
231.50	231.80	MASSIVE SULPHIDE ZONE															
		Brassy, vfg-fg, massive pyrrhotite-pentlandite vein, with angular mesocumulate perridotite fragment selvages (1-5 cm). Yellow thin chalcopyrite filled fracture. Lower contact 80 to ca.															
231.80	233.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 203.8-208 m.lower contact gradational.															
233.40	238.40	KOMATIITIC PERIDOTITE ORTHOCUMULATE															
		Light grey, fine grained, soft, non-magnetic, talcose altered, orthocumulate to mesocumulate peridotite flow. It consists of 50% fine black olivine cumulate grains enclosed by a white serp-carb aphanitic matrix. Lower contact gradational.															
238.40	264.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey, vfg-fg, homogenous, non-magnetic, soft, very talcose, mesocumulate peridotite. The mesocumulate consists of 70-80% black or dark grey olivine cumulate in a white or grey aphanitic															

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(%) %
		talcose matrix.															
		Structure: local moderate fracturing rqd-70.															
		239.00 248.00 2-3% white irregular and randomly oriented serp-carb veinlets.															
		240.50 243.20 5-7%, same as above, fractures typically 10-15 to ca.															
		252.70 262.20 Alteration: very soft section of intense pervasive serpentine-talc alteration with local intense bleached sections.															
		257.30 261.70 5%, same as 239-248 m.															
		262.20 262.90 Sections of 70% light grey, very fine grained, hard, felsic volcanic angular blocks that contain 0.5-1% fine grained pyrite dissem.															
		264.45 264.80 Bubbly section- possible flow bottom with 1-2 % black mesocumulate peridotite fragments and 2-3% quartz-carb spheres.															
		Lower contact gradational.															
264.80	265.60	KOMATIITIC SPINIFEX PERIDOTITE															
		264.80 265.05 Aphanitic weakly brecciated flow top? 1-2% white carb-quartz filled fractures.															
		265.05 265.30 Platy spinifex composed of cm long black olivine blades.															
		265.30 265.60 Weak brecciation as a result of some black serpentine filled fractures.															
		Lower contact gradational.															
265.60	279.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to dark grey, fg-vfg, homogenous, non-magnetic, massive, mesocumulate peridotite.															
		The upper portion is a fine grained 'salt and peppers mesocumulate (70% black olivine grains in a white matrix).															
		This is from 265.6 to 271 metre and then very fine grained until 275.5 m.															
		The lower portion is dark grey to black vfg-aphanitic mesocumulate (80% olivine cumulate grains).															
		Grades into net textured sulphide zone.															
279.00	286.00	NET TEXTURED SULPHIDE ZONE															
		This zone is a sulphide rich mesocumulate peridotite (same as unit above).															
		The sulphides begin as 15% intercumulus very fine pyrrhotite-pentlandite and increasing downhole to 50%.															
		It is cut by 1% fine (1-5 mm) white serp-carbonate															

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(%) %
		filled fractures which variably from 45 to 80 to ca.															
		281.00 282.00 Alteration:patchy aqua green aphanitic serpentinization.															
		Lower contact gradational.															
286.00	287.05	SEMI-MASSIVE SULPHIDE ZONE															
		Brassy brown, very fine grained, massive pyrrhotite-pentlandite enclosing 20% black olivine cumulate.															
		Contacts are not sharp.															
287.05	319.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey, very fine grained, homogenous, non-magnetic, massive, soft adcumulate peridotite.															
		It is comprised of 90-85% highly packed very fine black olivine cumulate with only faint white aphanitic matrix.															
		Below 295 metre, the adcumulate has a lower olivine content of 80-85%.															
		It is cut by 1-2% white irregular serp-carbonate fractures to veinlets (1mm-1 cm).															
		289.00 290.00 Alteration:moderate pervasive pistachio green serpentinization.															
		299.00 309.50 Min: trace to 0.5% very fine po-pn disseminations.															
		311.50 313.00 Min: 1% very fine grained brown pyrrhotite and rare brassy pyrite as disseminations and wisps within microfractures.															
		312.34 312.50 White very fine grained massive calcite vein, 45 to ca.															
		Lower contact gradational.															
319.80	325.80	KOMATIITIC PERIDOTITE BRECCIA															
		Pale greyish green, vfg-aphanitic, non-magnetic, crackle brecciated, strongly serpentinized adcumulate peridotite flow.															
		Crackle brecciation is a result of 5-10% very fine (1mm) black serpentine filled anastomosing fractures.															
		Also 1% white calcite-serpentine filled microfractures. Unit may be a flow top breccia.															
		Lower contact gradational.															
325.80	344.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green, very fine grained, homogenous, non-magnetic, massive, soft adcumulate peridotite.															
		Occasional mesocumulate sections near bottom.															
		It is cut by 2-3% white to pale green irregular serp-carbonate fractures to veinlets (1mm-1 cm).															
		Structure: weak fracturing rqd-80. Min: nil															

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(%) %
		sulphides.															
		Alteration: moderate pervasive serpentinization.															
		330.80 332.00 Blocky core rqd-0.															
		Lower contact gradational.															
344.10	358.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Green, white speckled, very fine grained to fine															
		grained, non-magnetic, soft, massive, soft															
		mesocumulate peridotite flow.															
		It consists of 75-80% dark green olivine cumulate															
		grains enclosed by white aphanitic matrix.															
		Structure: weak fracturing rqd-80.															
		348.20 349.70 White to grey irregular wavy															
		carbonate veining, 10 to ca.															
		351.00 351.10 White carbonate vein, 55 to ca.															
		356.15 357.00 80% carbonate vein flooding, rqd-50.															
		Lower contact gradational.															
358.00	377.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 325.8-344.1 m.															
		Structure: very weak fracturing rqd-90 to 95.															
		358.50 363.00 Alteration: distinct pale green															
		serpentinization halos about dark															
		green serpentine filled fractures and															
		very fine white carbonate															
		microfractures. This produces a															
		mottled appearance to the section.															
		372.00 377.00 Same as above.															
		Lower contact gradational.															
377.00	379.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 344.1-358 metre, very soft, talcose.															
		377.00 378.60 20-25% anastomosing, white															
		carbonate-serp veinlets/stringers,															
		0-20 to ca.															
		Lower contact sharp 30 to ca.															
379.70	384.40	GRAPHITIC ARGILLITE															
		Black, vfg-aphanitic, homogenous, massive graphitic															
		argillite.															
		Min: nil sulphides. Minor white calcite filled															
		tensional fractures.															
		Lower contact sharp 30 to core axis, with calcite															
		stringer veinlets (0.5 cm).															
384.40	385.80	KOMATIITIC PERIDOTITE SHEARED															
		Pale green, serpentinized, sheared peridotite with															
		30% black fine graphite argillite streaks 15 to															
		core axis from 385.1 to 385.8 m.															
		Min: nil sulphides. At lower contact of unit, 2-3%															
		brown pyrrhotite disseminations and fine seam.															

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 sharp 30 to ca.															
385.80	399.10	KOMATIITIC PERIDOTITE GRAPHITIC															
		Grey, very fine grained, non-magnetic, massive, mesocumulate peridotite with 10-15% black very fine grained angular graphite fragments to fracture fillings.															
		Very minor white calcite tensional fractures.															
		Weakly biotitic.															
		Graphite increases downhole especially at lower portion 397-399.1 metre.															
		Structure: very weak fracturing rqd-90 to 95.															
		396.50 399.10 3% anastomosing calcite wispy stringer/fractures.															
		Lower contact gradational.															
399.10	401.00	GRAPHITIC ARGILLITE															
		Same as 379.7-384.4 m.															
		Min: trace blebs to smears of vfg-fg brassy pyrite.															
401.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349418.00
Easting:	497540.10
Elevation:	294.48
Collar Azi.:	323.0
Collar Dip:	-58.2
Hole length:	485.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	N/A
Logged by:	G. Sparling
Date(s) logged:	June 28 TO July 10,2007
Purpose:	N/A
Core storage:	Hughes Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
74	327.8	-58.5
125	329.6	-59.5
176	330.3	-60.8
227	334.7	-60.4
278	336.7	-60.8
326	339.3	-61.0
445	342.2	-62.3

Drill Hole:	GCL7-13
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	1+04N
Easting:	0+25E
GPS Northing:	5349417.98
GPS Easting:	497540.12
Date Started:	June 27,2007
Date completed:	July 6,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	9.40	OVERBURDEN Casing to 9.4m.															
9.40	12.80	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey to black, fine grained, massive, fractured, moderately hard to hard, slightly magnetic locally. No reaction to HCl, weakly serpentine altered. 30-40% Broken core with minor serpentine fracture filling and orange to brown oxidized. A few white to green serpentine -calcite-serpentine stringers. Trace pyrrhotite on fractures. Gradual lower contact.															
12.80	17.90	KOMATIITIC PERIDOTITE MESOCUMULATE Pale grey to green, massive, altered, faulted, fractured, moderately hard to hard, non magnetic. No reaction to HCl. Fracturing at 30 and 60 degrees to core axis serpentine filled fracture and randomly oxidize fractures. RQD of 75%. No visible mineralization. 16.00 16.60 A few minor faults in section of broken															

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, 50% RQD, 70-80% recovery.															
		16.60 17.90 Unit becomes more dark black, massive, 10% grey to green altered sections, slightly graphitic on lower contact.															
		Lower contact at 30 tca.															
17.90	18.10	GRAPHITIC ARGILLITE Dark black, very fine to fine grained, fractured, foliated, non magnetic, non conductive. No reaction to HCl, weakly graphitic. Fractured/foliated at around 30 degrees to core axis with silver to black graphitic fractures. 0% RQD, 85% recovery. A couple specks of grey-white calcite stringers and pyrite. Sharp lower contact at 30 tca.															
18.10	23.50	KOMATIITIC SPINIFEX PERIDOTITE Grey to green, fine grained, massive, homogeneous, fractured, altered, moderately hard, local slight magnetism, mesocumulate. Bladed olivine spinifex texture throughout, randomly oriented, locally crushed and platy. Fracturing at low angles 0-20 degrees to core axis with serpentine fracture filling. No visible mineralization. 65% RQD. Gradual lower contact.															
23.50	29.60	KOMATIITIC PERIDOTITE MESOCUMULATE Grey to green, fine grained, massive, homogeneous, fractured, altered, moderately hard, local slight magnetism. No reaction to HCl, weakly serpentine and ankerite altered. Fracturing at low angles 0-20 degrees to core axis with serpentine fracture filling. 60-70% RQD. Trace dull yellow pyrite on fractures. Gradual lower contact.															
29.60	35.20	KOMATIITIC PERID0TITE ADCUMULATE Dark black to greyish, fine grained, massive, hard, slightly magnetic locally. Weak to moderately (local) serpentine altered. 10-15% Sub rounded serpentine filled amygdules from less than 1mm sized up to 2cm, average 5mm. Competent unit with an RQD of 90-95%. Fracturing at 65-75 degrees to core axis with calcite-serpentine fracture filling. Rare calcite-serpentine stringers at 20-30 tca.															

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(%) %
		Generally trace brassy pyrrhotite disseminated in matrix with section of 0.5-1% disseminated pyrrhotite. Gradual lower contact.															
35.20	71.10	KOMATIITIC PERID0TITE ADCUMULATE Dark black to greyish, fine grained, massive, hard, slightly magnetic locally. Fracturing at 65-75 degrees to core axis with calcite-serpentine fracture filling. Good RQD of 85% with a few very minor sections of broken core. 1-2% Hairlike to 1cm calcite stringers/veinlets at 10-30 degrees to core axis. 1-2% White-green serpentine and serpentine-calcite stringers/veinlets at 70 tca. No visible sulphides until around 44m, then trace-1% fine disseminated pyrrhotite with blebs of pyrite on fractures. 68.50 71.10 Adcumulate to mesocumulate section, patchy weak ankerite-serpentine alteration (grey-green sections), local oxidized fractures. Lower contact at 30-35 tca.															
71.10	71.40	GRAPHITIC ARGILLITE Dark black fine grained, massive, moderately hard, non magnetic, slightly conductive. Fracturing at 20-30 degrees to core axis with silvery to black graphitic fractures, highly conductive, local oxidation. Trace dull yellow pyrite on fractures. Lower contact at 55 degrees to core axis.															
71.40	72.60	KOMATIITIC PERIDOTITE MESOCUMULATE Komatiitic peridotite mesocumulate (altered). Dark grey to black, fine grained, massive, fractured, moderately hard to hard, slightly magnetic locally. Resembles 23.5-29.6. Patchy serpentine alteration (grey to green patches). No visible sulphides, a few low angle calcite stringers. Local section of broken core with serpentine-calcite fracture filling. Gradual lower contact.															
72.60	76.30	KOMATIITIC SPINIFEX PERIDOTITE Grey to green, fine to medium grained, altered, foliated, fractured, mesocumulate to 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(%) %
		locally weakly magnetic.															
		Weakly to moderately serpentine-ankerite altered.															
		Dark black blades of olivine spinifex are very															
		distinct until 73.5 and then the unit becomes															
		foliated/sheared at very low angles 10-30 degrees															
		to core axis making further identification															
		impossible.															
		Fracturing at 10-30 degrees to core axis with															
		serpentine-calcite fracture filling.															
		A few minor sections of broken core with minor															
		oxidation, 70% rqd.															
		Trace pyrite on fractures with rare pyrrhotite.															
		A few white calcite stringers/veinlets on lower															
		contact at 20-30 tca.															
		Lower contact at 40 tca.															
76.30	107.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate-mesocumulate.															
		Dark grey to black, fine grained, massive,															
		homogeneous, weakly magnetic, hard.															
		Patchy weak to moderate serpentine alteration.															
		3-5% White-greyish hairlike to 1cm serpentine and															
		calcite serpentine stringers/fracture filling at															
		65-75 tca.															
		Rare pyrite with some pyrrhotite on fractures.															
		92.00 94.80 Minor fractured sections of broken core.															
		106.10 107.20 Dark grey, weakly foliated/fractured															
		with serpentine-talc fracture filling.															
		Gradual lower contact.															
107.20	113.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Komatiitic spinifex peridotite.															
		Dark green, fine grained, hard, non magnetic,															
		adcumulate-mesocumulate.															
		Randomly distributed and oriented with locally well															
		developed olivine spinifex texture.															
		Dark green serpentine alteration (masks spinifex,															
		which make identification difficult), patchy weak															
		calcite alteration.															
		Minor fracturing at 30 and 60 degrees to core axis															
		with 1-3mm calcite-serpentine filling and minor															
		local broken core.															
		Scattered segments of calcite stringers mostly															
		along fractures or as a result of fracturing.															
		0.5%-1% Disseminated pyrrhotite.															
		Gradual lower contact.															
113.00	122.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate-mesocumulate.															
		Dark black to grey (mesocumulate), fine grained,															
		altered, fractured, non to locally very weakly															

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, hard, massive.															
		Weakly serpentine altered with patchy moderately altered sections, rare very minor calcite alteration surrounding higher concentrations of calcite stringers.															
		Fracturing at 65-75 degrees to core axis with calcite-serpentine fracture filling.															
		Unit is cut by several generations of calcite stringer, generally hairlike and oriented at 65-75 degrees to core axis, 5-7%.															
		A few pale green serpentine stringers at 30-40tca.															
		Generally rare to trace pyrrhotite with localized sections of 0.5% disseminated pyrrhotite associated with moderate serpentine altered areas.															
		Lower contact at 50 tca.															
122.80	126.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey with some brownish sections, fine to medium grained, locally slightly magnetic, hard, massive.															
		Weakly serpentine altered with a weak carbonate alteration(?).															
		A few generations of white hairlike calcite stringers at 65-75 degrees to core axis cross cutting dark green-black serpentine stringers at 30 tca.															
		Fracturing at 30 and 60-70 degrees to core axis with rare dark black 1-2mm serpentine fracture filling.															
		0.5%-1% Pyrrhotite-pyrite disseminated throughout.															
		Lower contact at 30-40 tca.															
126.00	127.60	GRAPHITIC ARGILLITE															
		Dark black, very fine to fine grained, fractured, foliated, non magnetic, vuggy, highly conductive matrix.															
		Slight local calcite alteration, weak to moderately graphite altered.															
		Weakly foliated at around 45 tca.															
		A few sections of broken core, 65-70% RQD, 80-85% recovery.															
		Fracturing at 45-50 degrees to core axis with 1-3mm silvery-black graphite on fractures.															
		Rare hairlike calcite stringers.															
		1-3% Pyrite as disseminations, stringers and blebs.															
		Trace-0.5% brassy brown pyrrhotite, disseminated, trace pentlandite (?).															
		Lower contact heavily fractured/broken.															
127.60	130.00	KOMATIITIC PYROXENITE ADCUMULATE															
		Dark green to grey, fine to medium 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(%) %
		massive, homogeneous, non magnetic, hard.															
		Weakly serpentine altered with a few patches of very weak calcite alteration.															
		Fracturing at 45-50 degrees to core axis with predominately serpentine and some calcite-quartz fracture filling.															
		1% Quartz-carbonate stringers at 45-50 degrees to core axis with a few cross cutting quartz stringers at 30 tca.															
		128.90 A few specks of bright yellow chalcopyrite and brown sphalerite (?) in quartz stringer, otherwise trace pyrite-pyrrhotite in unit.															
		Lower contact at 50 tca.															
130.00	130.80	GRAPHITIC ARGILLITE															
		Dark black, very fine grained, foliated, massive, hard, non magnetic, highly conductive.															
		Highly calcite altered with a weak graphitic alteration.															
		Rare calcite stringers at 70 tca.															
		1-3% Pyrite as disseminations, blebs, stringers and local patches.															
		0.5% Disseminated pyrrhotite with trace bright yellow chalcopyrite and pentlandite associated with pyrite blebs.															
		Lower contact at 30 tca.															
130.80	135.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to green, fine to medium grained, non magnetic, moderately hard to hard, massive, altered.															
		Scattered randomly oriented olivine spinifex texture (5%).															
		Weakly serpentine and carbonate altered.															
		Fracturing at 65-70 degrees to core axis with minor around 1mm.															
		A few calcite-serpentine stringers at 30 tca.															
		Trace-0.5% disseminated pyrrhotite locally.															
		Gradual lower contact.															
135.60	163.50	KOMATIITIC PERID0TITE ADCUMULATE															
		Komatiitic peridotite adcumulate-mesocumulate.															
		Dark black with a dark grey to black sections, very fine to fine grained, massive, hard, patches of slight magnetism, altered, fractured.															
		Pervasive weak serpentine alteration with a few sections of pale green moderate alteration, locally carbonate altered (mesocumulate sections).															
		10-15% Dark grey-black, carbonate altered, mesocumulate sections.															
		Good RQD of 80-85% with rare broken core.															

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 at 20-30 and 60 degrees to core axis with carbonate-serpentine fracture filling, 1-5mm thick, locally fibrous. 5-6% White to white-green serpentine and serpentine-calcite hairlike stringers at around 70 tca. 0.5% White quartz-calcite stringer/veinlets at 20-30 tca. Trace pyrite on fractures, trace to 1% finely disseminated pyrrhotite locally, higher percentage of pyrrhotite mineralization is related to moderate serpentine alteration. Lower contact at 40 tca.															
		137.40 139.20 Dark grey massive, mesocumulate section, local patchy adcumulate, nil sulphides.															
		148.00 152.00 Dark grey massive section, mesocumulate, 1% quartz-calcite-carbonate stringers, trace-1% pyrrhotite along fractures/stringers.															
		156.90 163.50 Dark grey to black, massive, mesocumulate, carbonate altered, trace-1% disseminated pyrrhotite flakes. Sharp lower contact at 35 tca.															
163.50	174.30	MAFIC DYKE															
		Biotitic diabase (kpdg). Dark grey to brown-black, massive, locally weakly magnetic, hard. Pervasive weak chlorite/biotite with patchy very weak calcite. Unit has around 20% biotite in matrix, less than 1mm sized. 20-25% Grey to green, mesocumulate peridotite sections, highly calcite altered. Rare hairlike calcite stringers. Nil to trace pyrite and pyrrhotite. Gradual lower contact (?).															
		166.10 167.40 Grey to green, mesocumulate, highly calcite altered, weakly foliated, sharp contacts of 40 tca.															
174.30	177.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Pale green, fine grained, altered, moderately hard, non magnetic, peridotite (?). No reaction to HCl, weak to moderately serpentine altered (?). Good RQD of 90% with rare fracturing at 65 tca. No visible mineralization.															
		176.80 177.20 Faulted section, 0% RQD, fault gouge															

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(%) %
		healed fracturing.															
		Sharp faulted lower contact at 40 tca.															
177.20	180.70	GRANODIORITE															
		Pink to greyish, fine grained, hard, non magnetic,															
		locally brecciated and fractured.															
		Patchy very weak silicification and calcite															
		alteration.															
		Fracturing at 45 degrees to core axis with local															
		brecciation, both fracturing and brecciation															
		filled/healed with dark black chlorite.															
		RQD of 75-80%.															
		Calcite-quartz-chlorite stringers/veinlets at 70-75															
		tca.															
		No visible sulphides.															
		Sharp lower contact at 20 tca.															
180.70	181.70	KOMATIITIC SPINIFEX PERIDOTITE															
		Similar composition as 174.3-177.2.															
		1-2cm Blade like to platy olivine spinifex texture,															
		1-2cm sized, randomly oriented.															
		182.00 minor 5cm faulted/ broken section.															
		Gradual lower contact.															
181.70	189.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black to grey-green, fine grained, moderately															
		hard, non magnetic, massive, locally spinifex															
		textured, fractured, faulted.															
		Weakly serpentine and carbonate altered.															
		Fracturing at 30-40 degrees to core axis with															
		serpentine-carbonate fracture filling.															
		RQD of 70-75% with a few minor faults/slips at															
		30-40 tca.															
		0.5%-1% Grey to white serpentine-calcite quartz															
		stringers/veinlets at 70 degrees to core axis with															
		a few at 30-40 tca.															
		Trace-0.5% finely disseminated to disseminated															
		flakes of pyrrhotite, locally maybe 1% at best.															
		Gradual lower contact.															
189.10	191.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark black, adcumulate peridotite, same as															
		181.7-189.1.															
		Dark black blades of olivine spinifex scattered															
		throughout unit with a general orientation of 0-30															
		degrees to core axis.															
		Rare hairlike 30-40 degrees to core axis calcite															
		stringers.															
		0.5-1% Disseminated flakes of pyrrhotite.															
		Gradual lower contact.															

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(%) %
191.10	235.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black to grey-green, fine grained, moderately															
		hard, non magnetic, massive, locally fractured.															
		191.10 200.00 Unit is weakly carbonate-serpentine															
		altered, grey to black, adcumulate to															
		mesocumulate sections with 5%															
		quartz-calcite-carbonate															
		stringers/veinlets at 65-75 degrees															
		to core axis, trace-0.5% disseminated															
		pyrrhotite.															
		Weakly serpentine altered with pale green moderate															
		serpentine alteration.															
		Trace finely disseminated pyrrhotite.															
		Good RQD of 85-90%.															
		Fracturing at 70-75 degrees to core axis with dark															
		green serpentine and white-greenish carbonate															
		fracture filling.															
		Gradual lower contact.															
		228.00 Minor faulted/fractured section with															
		5mm fault gouge on fractures.															
235.20	240.10	KOMATIITIC SPINIFEX PERIDOTITE															
		Grey to green, fine grained, massive, hard, non															
		magnetic.															
		Dark black blades of olivine spinifex texture															
		oriented at 0-30 tca.															
		No visible sulphides.															
		A few low angle calcite stringers.															
		Gradual lower contact.															
240.10	265.60	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black to grey-black, fine grained, moderately															
		hard, non magnetic, massive, locally fractured.															
		Weakly serpentine altered with minor local															
		carbonate alteration.															
		Fracturing at 70 degrees to core axis with a															
		localized sections of broken core with generally															
		fracturing at 30-40 tca.															
		Fracture filling consists of serpentine and calcite.															
		Rare specks of finely disseminated pyrrhotite.															
		3-5% White to grey-white calcite, serpentine, and															
		calcite-serpentine stringers at 55-65 degrees to															
		core axis, hairlike to 1cm.															
		262.40 264.20 Dark grey, massive mesocumulate															
		section.															
		264.20 265.60 Greyish-black, locally mottled,															
		foliated with trace-0.5% pyrrhotite															
		on lower contact, local 3-5mm brown															
		blebs of sphalerite (?).															
		Lower contact at around 40 tca.															

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(%) %
265.60	269.00	GRAPHITIC ARGILLITE Graphitic argillite hosted in 25% altered komatiitic peridotite flow. Dark black, fine grained, moderately hard to hard, weak local magnetism, non to moderately conductive locally. Highly calcite altered with a weak graphitic alteration. Locally foliated/fractured at 30-40 degrees to core axis, weak foliation, silvery-grey to black graphitic fractures. Minor graphitic argillite healed breccia in komatiitic peridotite. 0.5% White calcite stringers parallel to foliation, locally along fractures. 1% Pyrrhotite blebs (1.5cm, sub rounded) and local disseminations with trace pyrite. Sharp lower contact at 30 tca.															
269.00	273.50	KOMATIITIC SPINIFEX PERIDOTITE Dark grey to green-black, fine grained, hard, weak sections of magnetism. Scattered dark green to black olivine spinifex texture from less than 1cm up to 2-3cm blades. Local weak foliation at 65 degrees to core axis. Minor fracture filling locally, serpentine-calcite, fracturing at 65-75 degrees to core axis. No visible sulphides. Lower contact at 65-70 tca.															
273.50	296.00	KOMATIITIC PERID0TITE ADCUMULATE Dark black with a few greyish sections, very fine grained, massive, homogeneous, hard, non magnetic. Weak pervasively serpentine altered. Good RQD of 90-95%, rare broken core. Minor fracturing at 20-30 and 50 degrees to core axis with very minor local serpentine-calcite fracture filling. 2-4% White to greenish, hairlike to 3cm thick, serpentine, calcite, serpentine-calcite, stringers/veinlets. Trace local concentrations of very finely disseminated pyrrhotite. Gradual lower contact.															
296.00	297.70	KOMATIITIC PERIDOTITE MESOCUMULATE Dark black to grey, fine to medium grained, hard, non magnetic, massive. No reaction to HCl, very weak serpentine alteration. 95% Rqd. 0.5% Serpentine-calcite fractures/stringers at 30															

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(%) %
		tca.															
		Rare speck of finely disseminated pyrrhotite in stringers.															
		Lower contact at 55 degrees to core axis.															
297.70	303.90	KOMATIITIC SPINIFEX PERIDOTITE															
		Same general composition as 296-297.7.															
		Dark black blades of olivine spinifex throughout at 0-40 tca.															
		Gradual lower contact.															
303.90	306.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 296-297.7.															
		Local brecciation.															
		Gradual lower contact.															
306.80	318.45	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black with a few greyish sections, very fine grained, massive, homogeneous, hard, non magnetic.															
		Weakly serpentine altered.															
		Fracturing at 65-70 degrees to core axis with 1-2mm serpentine-calcite fracture filling.															
		Minor sections of broken core related to localized low angle fractures, RQD of 80%.															
		1-3% White-green calcite-serpentine stringers, hairlike to 5mm.															
		Rare finely disseminated brassy pyrrhotite.															
		Gradual lower contact.															
318.45	321.90																
		KOMATIITIC PERIDOTITE MESOCUMULATE.															
		Dark grey to black, fine grained, massive, homogeneous, weakly magnetic, hard.															
		No reaction to HCl, very weak serpentine and ankerite alterations.															
		Rare fractures/stringers at 30-40 tca. White-black serpentine.															
		No visible sulphides.															
		Gradual lower contact.															
321.90	328.85	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey-green to black, fine grained, massive, hard, non magnetic.															
		Weakly serpentine altered, weak with patchy moderate ankerite alteration.															
		Locally very faint, randomly distributed dark grey black blades of olivine spinifex texture.															
		Fracturing at 40 degrees to core axis with dark black serpentine and white carbonate-serpentine fracture filling, less than 1mm and up to around 1mm.															

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(%) %
		Rare irregular serpentine stringers, hairlike.															
		No visible sulphides.															
		Gradual lower contact.															
328.85	370.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to green-black, fine grained, hard, weak															
		sections of magnetism, locally adcumulate textured.															
		Patchy very weak serpentine, carbonate and ankerite															
		altered sections throughout.															
		Minor fracturing at 65-70 degrees to core axis with															
		around 1mm serpentine-carbonate fracture filling.															
		Localized sections of broken core due to low angle															
		fracturing, 80% rqd.															
		A few localized white calcite stringers at 0-30 tca.															
		Rare finely disseminated brassy pyrrhotite. Very															
		fine grained chill margin at lower contact.															
		Sharp lower contact at 30 tca.															
370.50	372.00	MAFIC DYKE															
		Dark grey to blackish, fine grained, hard, non															
		magnetic, massive, fractured.															
		No reaction to HCl, weakly siliceous and chlorite															
		altered, mafic dyke (gabbro).															
		Fracturing at 30-40 degrees to core axis with															
		serpentine-carbonate fracture filling.60-65% rqd.															
		No visible mineralization.															
		Same as gcl07-12 105-105.1 m.															
		Sharp lower contact at 40 tca.															
372.00	384.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to green-black, fine grained, hard, weak															
		sections of magnetism, locally adcumulate textured.															
		Patchy very weak serpentine, carbonate and ankerite															
		altered sections throughout, similar to															
		328.85-370.5.															
		Good RQD of 95% with minor serpentine healed															
		fracturing at 30 and 50 tca. Small fault gouge at															
		upper contact.															
		Several generations of white to white-grey,															
		serpentine and serpentine-calcite stringers at															
		various angles at 0-20 and 40-50 degrees to core															
		axis, hairlike to 5-7mm thick.															
		Rare dull yellow to brown pyrrhotite on fractures.															
		Gradual lower contact, becoming graphite altered 1m															
		to lower contact.															
384.20	440.60	KOMATIITIC PERIDOTITE GRAPHITIC															
		Dark black brown, very fine to fine grained,															
		massive, homogeneous, moderately hard to hard,															
		locally biotitic.															
		Non conductive matrix, dark black and silvery black															

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(%) %
		graphite is weakly to strongly conductive.															
		Moderately to highly calcite altered, weakly graphite altered.															
		Local weak 50 degrees to core axis foliation.															
		Fracturing at 50 degrees to core axis with predominately less than 1mm serpentine and sections of graphitic fracture filling.															
		1-3% White hairlike calcite stringers at various angles 30-40 and 60-70 tca.															
		Rare specks of pyrite in matrix and associated with stringers/fractures.															
		385.90 389.40 Locally faulted and fractured section, silvery black fractures and graphitic fractures.															
		415.00 436.00 Grey to black, fine to medium grained, highly calcite altered, locally very weakly graphitic, weakly foliated at 40 degrees to core axis.															
		Lower contact 40 tca.															
440.60	463.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Light grey to dark grey blackish, fine grained, massive, non magnetic, moderately hard to hard, locally adcumulate.															
		Weak to moderately ankerite altered with patches of weak serpentine.															
		Good RQD of 80-85% with rare broken core.															
		Fracturing at 30 and 60 degrees to core axis predominately serpentine filled fractures with some local carbonate.															
		Low angle fractures at 30 degrees to core axis have some weathered fault gouge with minor associated broken core.															
		1-2% White calcite and or calcite-quartz, quartz-carbonate stringers at 30-50 tca.															
		No visible sulphides.															
		446.50 454.20 Dark black, very fine grained, calcite altered with some graphite alteration, local silvery black graphitic fractures.															
		Sharp lower contact at 20 tca.															
463.40	485.00	FELDSPAR PORPHYRY															
		Grey to dark grey, fine grained, porpheritic, very hard, non magnetic.															
		No reaction to HCl, weakly silicified.															
		15-20% Subrounded feldspar phenocrysts, less than 1mm up to 2-3mm.															
		Fracturing at 40-50 and 80 degrees to core axis with black to dark green serpentine-chlorite fracture filling, 1-3mm thick.															

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%-1% Quartz-calcite stringers at 75-80 degrees to core axis, hairlike up to 5cm. Rare pyrite on fractures.															
485.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349418.00
Easting:	497539.80
Elevation:	294.45
Collar Azi.:	324.7
Collar Dip:	-46.4
Hole length:	314.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	
Logged by:	Kevin Montgomery, George Sparling
Date(s) logged:	June 22-28,2007
Purpose:	
Core storage:	HUGHES Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
71	326.2	-47.4
122	330.1	-48.1
173	332.5	-48.4
224	335.6	-48.6
302	339.5	-47.4

Drill Hole:	GCL7-12
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	1+04N
Easting:	0+25E
GPS Northing:	5349418.36
GPS Easting:	497539.84
Date Started:	June 21,2007
Date completed:	June 27,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	12.00	OVERBURDEN Casing (12m nw).															
12.00	22.80	KOMATIITIC PERIDOTITE MESOCUMULATE Light grey (altered) grading to dark grey, fine grained, weakly to non magnetic, hard, mesocumulate. Moderately calcite altered until. Fracturing at 30 and 70 degrees to core axis, generally weak with a few fractures with serpentine fault gouge. RQD around 75-80% with local sections around 65-70%. Fracture filling consists of thin white calcite and green serpentine fracture (1-4mm thick) randomly distributed throughout. 1-3% White calcite stringers, white to green calcite serpentine stringers at various angles and a few white hairlike irregular fibrous serpentine stringers. Gradual lower contact.															
22.80	25.80	KOMATIITIC SPINIFEX PERIDOTITE Pale green, strongly serpentinized, non-magnetic, soft, spinifex textured komatiitic peridotite. It consists of randomly oriented pale green serpentine hopper laths in a very fine grained matrix.															

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(%) %
		Very minor black olivine laths. Min: 3% very fine grained brown pyrrhotite disseminations throughout. Gradual lower contact.															
25.80	47.30	KOMATIITIC PERIDOTITE MESOCUMULATE Same as 12 to 22.8m. Around 27m unit becomes more serpentine altered (mesocumulate to adcumulate). Trace very fine grained sulphides around 35-38m. Lower contact at 30 tca.															
47.30	47.70	GRAPHITIC ARGILLITE Graphitic sediment, inter flow sediment. Dark black with greyish sections, aphanitic to very fine grained, massive, moderately hard, non magnetic Weakly calcite altered. Fracturing at around 40 degrees to core axis with minor less than 1mm silvery black graphite on fractures. No visible mineralization. Lower contact at 40 tca.															
47.70	50.50	KOMATIITIC SPINIFEX PERIDOTITE Grey to green, medium grained, hard, weakly magnetic, mesocumulate to orthocumulate spinifex textured peridotite. Generally low angle to variable angled bladed spinifex scattered throughout. Poorly RQD of 50-60% consisting of mostly low angled fracturing with local minor gouge fault visible. No visible sulphides. Lower contact gradual to broken.															
50.50	53.60	KOMATIITIC PERIDOTITE ORTHOCUMULATE Dark grey to green, fine grained, massive, slightly magnetic, moderately hard, faulted/fractured unit. No reaction to HCl, weakly ankerite-serpentine altered. Moderately fractured unit with several sections of minor faulting (gouge), poorly RQD of 50%. A few orange stringers at 40 degrees to core axis, most likely ankerite stringers. No visible sulphides. Gradual lower contact.															
53.60	66.50	KOMATIITIC PERIDOTITE MESOCUMULATE Same as above 50.5-53.6 except more of a mesocumulate peridotite. Weakly ankerite-serpentine altered. 2-3% Irregular hairlike to 5mm irregular calcite															

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.															
		10-15% Broken core, fractured, local weakly brecciated around 55m.															
		Fracturing at 60-70 degrees to core axis with white calcite and dark green serpentine filling.															
		62.40 64.60 Fracture zone, poorly RQD of around 20%.															
		65.00 65.80 2-3% very fine grained brown pyrrhotite disseminated.															
		Lower contact at 50 tca.															
66.50	72.00	FAULT ZONE															
		Graphitic fault zone.															
		Brecciated in inter flow sediment and mesocumulate peridotite flow.															
		0% RQD, poorly recovery, moderate to strong fault, up to 10% graphitic fault gouge.															
		Trace brown pyrrhotite on upper contact.															
		Lower contact gradual to broken.															
72.00	72.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to dark grey, fine grained, massive, hard, non magnetic.															
		No reaction to HCl, weakly ankerite-serpentine altered.															
		50% Broken core.															
		No visible sulphides.															
		Gradual lower contact.															
72.90	74.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Similar to 72 to 72.9 except with dark green to black irregular bladed like olivine spinifex texture scattered throughout.															
		A few minor section of broken core, otherwise 80% rqd.															
		No visible sulphides.															
		Gradual lower contact.															
74.00	96.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey, fine grained, massive, homogeneous, weakly magnetic, hard.															
		Weakly ankerite-serpentine altered.															
		Fine grained until 95.6m.															
		Locally trace to 1% very fine grained pyrrhotite disseminations.															
		Mineralization: 3% very fine grained brown pyrrhotite disseminations to wispy fracture fillings, reddish hematite stringers/fractures.															
		Grades into the graphitic argillite.															
		78.00 81.00 2% very fine grained brown pyrrhotite disseminations and fracture infillings.															
		83.15 83.30 Graphite zone, 25-30 tca.															

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(%) %
		95.60 96.70 Tectonic brecciated section, aphanitic to very fine grained, brecciation increases in intensity down hole, section contains 1-3% very fine grained pyrrhotite.															
		95.90 96.70 Reddish very fine grained hematitic fine fractures/stringers (1-2%).															
96.70	97.35	GRAPHITIC ARGILLITE Dark black, very fine grained, massive, hard, non magnetic, highly conductive. Decent RQD of 80%. Fracturing at 40 degrees to core axis with silvery black graphite on fractures. Mineralization: 10-12% brassy very fine grained pyrite, 0.5% silvery sulphides mineral (?). Lower contact at 40 tca.															
97.35	99.65	INTERMEDIATE DYKE Light grey, aphanitic to very fine grained, homogeneous, moderately soft diabase, non magnetic. It consists of very fine chloritized amphibole (15-20%) interlocked with grey white plagioclase-carbonate. It is cut by very fine black chlorite filled fractures. Lower margin aphanitic chilled (99.15-99.65m). Locally fine beige carbonate specks. Sharp lower contact of 60 tca.															
99.65	103.40	KOMATIITIC PERID0TITE Pale grey, very fine grained, soft, serpentine altered komatiitic peridotite (possibly a large selvage in a diabase intrusive.). Weakly ankeritic and talcose altered locally. Weakly fractured at randomly between 30-50 degrees to core axis, RQD 75-80%. Minor serpentine-carbonate fracture filling (1mm-9mm). Rare white carbonate stringers/fractures accompanied by scattered orange mineral (ankerite). Lower contact at 50 tca.															
103.40	106.50	MAFIC DYKE Gabbro dyke (?). More mafic than 97.35-99.6 metre, fine grained, strongly fractured, strong chlorite alteration. Weakly ankerite altered with patchy very weak calcite. Dark brown to blackish, non magnetic, massive. Fracturing at generally low angles but															

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(%) %
		predominately at 30-50 degrees to core axis with 2-4mm dark green chloritic fractures. Several minor fractured sections, increasing in frequency with depth, RQD 65%. Sharp lower contact at 40 tca.															
106.50	109.50	FAULT ZONE															
		Fault zone in komatiitic mesocumulate peridotite flow. Light grey, fine grained, soft to moderately hard sections, non magnetic. Weakly to moderately carbonate with weak talc alteration. Poorly RQD of 30-40% at best in fractured sections 0% in serpentine fault gouge sections (15% gouge). Fracturing at 65-75 degrees to core axis with fault gouge healed/filled faulted sections at 30 degrees to core axis. 107.10 Diabase dykelets around 4 inches, sharp contacts at 30 and 60 tca. No visible mineralization. Sharp lower contact at 30 tca.															
109.50	112.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Light to dark grey, fine grained, massive, homogeneous, non magnetic. No reaction to HCl, patchy very weak blue stain from acid indicating very ankerite-dolomite alteration, patchy pervasive serpentine altered. Rare fracturing at 70 degrees to core axis with nil to trace less than 2-3mm carbonate on fractures, good RQD 85%. Sharp lower contact at 50 tca.															
112.90	113.25	GRANODIORITE															
		Pink, fine grained, granodiorite, 15% fine black amphibole phenocrysts, dyke (?). Weak grain foliation (?) at 50 degrees to core axis. A few cross fractures at 50 degrees to core axis with 2-3 fine shears/fractures at 10 tca. No visible mineralization. 95% Rqd. Lower contact at 50 tca.															
113.25	128.70	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 109.5-112.9m. Grey to green, fine to medium grained, soft to moderately hard, non magnetic, massive. Patchy carbonate and serpentine altered. 70-75% RQD with minor fracture zones and some local fault gouge zones.															

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 at 70 degrees to core axis with faulting at 30-40 tca.															
		Unit is cut by 3-5% white-white grey quartz-carbonate and serpentine carbonate stringers at various angles, generally 50 degrees to core axis, local cross cutting stringers.															
		0.5 To trace very fine grained disseminated pyrrhotite.															
		Locally 0.5-1% very fine grained pyrrhotite disseminations.															
		117.90 2cm serpentine-carbonate fault gouge at 30 tca.															
		119.60 125.00 Aqua green, very fine grained serpentine filled fractures (up to 1cm wide).															
		125.00 128.70 Alteration: moderate to intense pervasive aqua green serpentinization, 3% very fine grained brown pyrrhotite, filled fine hairline fractures.															
128.70	143.50	KOMATIITIC PERIDOTITE SHEARED															
		Sheared komatiitic peridotite/diabase.															
		Black, very fine to fine grained, massive, faulted, mesocumulate, well foliated to sheared, graphitic komatiitic peridotite/diabase.															
		Foliation and shearing 60 degrees to core axis.															
		White calcite veinlet flooding at lower contact (143.2-143.5).															
		Mineralization: 0.5% very fine grained brown pyrrhotite disseminations.															
		133.20 133.60 5-10% dark black fine grained, graphitic inter flow sediments.															
		133.60 134.20 5% fault gouge, 0% RQD, fractured/faulted core.															
		140.90 143.50 Unit becomes more dark black, fine grained, graphitic, fractured and locally faulted.															
		Lower contact at 40 tca.															
143.50	158.35	KOMATIITIC PERIDOTITE GRAPHITIC															
		Black to dark green, fine grained, massive, homogeneous, moderately soft, biotitic diabase intrusion.															
		Strong calcite alteration.															
		146.00 146.55 Pale grey altered ultra mafic volcanic selvage.															
		156.50 157.00 Strongly sheared section with distinct black amphibole bands (1-3cm) and white calcite bands.															
		157.00 158.35 Sheared/foliated section, faint wispy															

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(%) %
		25 degrees to core axis wispy amphiboles preferentially oriented 25 degrees to core axis.															
		Lower contact 30 tca.															
158.35	180.90	KOMATIITIC PERIDOTITE SHEARED															
		Sheared komatiitic peridotite/diabase.															
		Grey to light grey, very fine to fine grained, finely foliated (sheared) altered talcose komatiitic peridotite.															
		It is possibly a well sheared mesocumulate flow.															
		The unit has distinct fine dark green chlorite (?).															
		Fracturing at 30-40 degrees to core axis with chlorite (?) -carbonate fracture filling (1-2mm).															
		Rare specks of pyrrhotite.															
		Foliation (1-3mm) at 40 degrees to core axis from 158.35 to 164.															
		Serpentine gouge filled slips present from 164-167m.															
		Alteration: moderate pervasive calcite to 164 then disappears and carbonate alteration dominant to lower contact.															
		172.50 173.50 Diabase dyke (?), contacts undesirable but sharp.															
		172.50 174.00 Very blocky core due to strong fractures, RQD 0%.															
		174.20 180.90 Strongly sheared 30 degrees to core axis carbonate-serpentine schist.															
		Lower contact 45 tca.															
180.90	258.30	FELDSPAR PORPHYRY															
		Grey, hard, massive, fine grained, very hard, non magnetic, homogeneous, feldspar porphyry.															
		No reaction to HCl, locally silicified.															
		20-30% Feldspar phenocrysts (white plagioclase) ranging from 1-4mm, average around 3mm.															
		No visible sulphides until around 188m, then trace dull yellow coarse pyrite.															
		Minor fracturing at 60-70 degrees to core axis with very minor green chlorite fracture filling (1-3mm).															
		182.80 183.70 Dark grey, fine grained, sheared-foliated 40 degrees to core axis, moderately calcite altered, mesocumulate peridotite flow.															
		194.00 A few dark green fine grained basalt fragments, angular, up to 1cm, trace fine grained disseminated pyrite, localized.															
		208.20 208.50 Dark green mafic inclusion (basalt), massive, calcite altered, 0.5% disseminated pyrite, same general composition as earlier fragments															

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 194m, sharp contacts at 50 tca.															
		210.50 210.70 Same as 208.2-208.5m.															
		212.40 213.70 Same as 208.2-208.6m.															
		218.00 243.00 1% quartz stringers/ veinlets at 60 and 40 degrees to core axis, nil to trace pyrite, weakly chlorite altered (?).															
		245.80 Pale green, fine grained, sheared/foliated at 0-10 degrees to core axis, spinifex (?), schist, ultra mafic, hard.															
		246.00 256.00 Mafic dyke (?), massive section, some phenocrysts but most concentrated near contacts.															
		254.70 Brown to grey section with local biotitic alteration, trace pyrite.															
		Sharp 30 degrees to core axis contact.															
258.30	262.40	KOMATIITIC SPINIFEX PYROXENITE															
		Komatiitic pyroxenite sheared or maybe basalt.															
		Pale green to grey, fine grained, moderately hard, non magnetic, sheared foliated, altered, locally schisty.															
		Moderately calcite altered.															
		Foliation/shearing at 0-20 degrees to core axis.															
		Good RQD of 90-95%, rare fracturing at 65-70 degrees to core axis with minor carbonate on fractures.															
		260.60 33cm rafted quartz feldspar porphyry inclusion, trace pyrrhotite.															
		260.90 12cm rafted quartz feldspar porphyry inclusion, trace pyrrhotite.															
		Lower contact at 50 tca.															
262.40	269.70	MAFIC DYKE															
		Dark grey to green, fine to medium grained, massive, homogeneous, weakly magnetic, gabbro?.															
		Weakly calcite altered with sections of silicification.															
		0.5% Calcite stringers up to 5mm at various angles, but general orientation is 50 tca.															
		Trace pyrite and pyrrhotite until 267.5 where unit becomes slightly silicified with 0.5% brassy to brown disseminated pyrrhotite.															
		Lower contact at 35 tca.															
269.70	286.40	BASALT															
		Light green to grey, fine to medium grained, massive, homogeneous, weakly foliated basalt.															
		Weakly calcite altered.															
		Patchy weak foliation at 65-70 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(%) %
		Fracturing at 65-70 degrees to core axis with 1-3mm chlorite fracture filling. 1-2% White calcite stringers at 70 degrees to core axis with a few quartz stringers/veinlets up 2cm at 45 tca. Trace pyrite throughout with trace locally clustered pyrrhotite around upper contact. Finer grained section with hematite/ specular hematite along and on fractures. Lower contact at 45 degrees to core axis.														
286.40	292.20	FELDSPAR PORPHYRY Grey to green, fine grained, massive, homogeneous, hard, non magnetic. No reaction to HCl, weakly silicified. Good RQD of 90%, weakly fractured at 20, 30 and 40 degrees to core axis with minor chlorite and carbonate fracture filling. Scattered weak foliation at 30 degrees to core axis with minor healed breccia on contacts. 1-2% White to clear-white hairlike calcite stringers and up to 1cm quartz-calcite stringers at around 30 degrees to core axis, general orientation. Trace to 0.5% yellow brown pyrite associated with stringers/fractures. Sharp lower contact at 50 tca.														
292.20	296.50	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey black, fine grained, soft to moderately hard, non magnetic to slightly magnetic, foliated. Weakly to locally moderately calcite altered (grey patches moderately calcite altered) with patches of talc-carbonate alteration. Weakly to moderately foliated at 30 degrees to core axis. Minor fracturing at 30-40 degrees to core axis with talc-carbonate fracture filling, 1-2mm. RQD of 80-85%. 1% White greyish calcite-carbonate stringers at 30 tca. No visible sulphides. Sharp lower contact at 40 tca.														
296.50	298.40	KOMATIITIC PYROXENITE Dark grey to green, fine to medium grained, homogeneous, slightly magnetic (patchy), hard. Rare patches of calcite alteration haloing calcite stringers. Good RQD of 95%. 0.5% Hairlike calcite stringers at 30-50 tca. Trace-0.5% brassy brown 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(%) %
		Sharp lower contact at 60 tca.															
298.40	299.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 292.2-296.5m except weakly foliated at 55-60 degrees to core axis with trace local brassy-brown pyrrhotite.															
		Sharp lower contact at 30 tca.															
299.50	301.40	KOMATIITIC PYROXENITE															
		Same as 296.5-298.4 except slightly calcite altered with trace to locally 0.5% clusters of brassy pyrrhotite.															
		Sharp lower contact at 70 tca.															
301.40	302.90	MAFIC DYKE															
		Grey to brown (bleached), medium grained, massive, hard, non magnetic, gabbro?.															
		Moderately calcite altered.															
		A few fractures a various angles with minor chlorite-carbonate filling, 2-4mm.															
		A few calcite stringers up to 1cm thick at 60-70 degrees to core axis.															
		Trace pyrite along fractures.															
		302.20 37cm peridotite with upper contact at 40 degrees to core axis running along axis at 20-30 degrees to core axis with a lower contact at 0-5 tca.															
		Sharp lower contact at 30 tca.															
302.90	314.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 292.2-296.5m.															
		Patchy weak to moderate calcite and carbonate alterations.															
		No visible sulphides.															
		Weakly foliated at 30 tca.															
		Minor section of broken core consisting of local fracturing and faulting.															
		A few scattered calcite stringers at 30 tca.															
314.00		END OF HOLE															

DRILL HOLE RECORD

Northing:	5349341.00
Easting:	497567.10
Elevation:	294.77
Collar Azi.:	323.7
Collar Dip:	-44.6
Hole length:	401.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	CASING
Collar survey:	Talbot GPS
DH Survey method:	REFLEX
Comments:	N/A
Logged by:	G. Sparling, Kevin Montgomery
Date(s) logged:	JUNE 14-24, 2007
Purpose:	N/A
Core storage:	HUGHES FACILITY TIMMINS

*** Dip Tests ***

Depth	Azi.	Dip
20	324.0	-44.6
71	325.2	-45.0
122	329.0	-46.1
173	327.6	-47.0
224	331.3	-47.5
278	332.6	-48.8
401	335.6	-47.7

Drill Hole:	GCL7-11
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	0+00E
Easting:	0+25N
GPS Northing:	5349340.84
GPS Easting:	497567.07
Date Started:	JUNE 13,2007
Date completed:	JUNE 21,2007
Drilled by:	Norex
Sample type:	CUT CORE
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	11.00	OVERBURDEN Casing to 12m.															
11.00	31.40	GRANODIORITE Changed from DACITE to GRANODIORITE. Dark grey to purple grey, coarse grained fining with depth, looks porpheritic, massive, hard, non magnetic. Weakly calcite altered with a few weakly silicified sections. Several sections of broken core up to 20% of interval with orange to brownish limonite oxidation. Fracturing at various angle 20-30, 40 and 50 degrees to core axis, most fracturing at around 30 degrees to core axis. Fracture filling consists of dark black chlorite around 2-3mm thick. A few white to greyish hairlike calcite stringers and quartz-calcite stringers/veinlets at 10-30 tca. A few specks of light brown to yellow pyrite on fractures locally. 4-5 Dark green, fine grained inter flow pyroxenite / peridotite inclusions up to 1.5cm at 40 tca. Sharp lower contact at 60 tca.															

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(%) %
31.40	38.30	KOMATIITIC BASALT															
		Greyish to green, fine to medium grained, massive,															
		non magnetic, moderately hard to hard, altered															
		komatiitic basalt with inter flow faulted graphitic															
		sediments.															
		Pervasive ankerite alteration with localized															
		graphite alteration.															
		Weakly brecciated with chlorite and carbonate															
		rehealing.															
		Fracturing at around 30 degrees to core axis with															
		some chlorite and ankerite filling.															
		A couple sections of broken core on upper contact															
		and associated with graphitic sediments.															
		0.5% Low angle irregular white-greyish ankerite															
		stringers (some more orange in color), average															
		around 30 tca.															
		1-2% Yellow-brassy pyrrhotite with some dull yellow															
		pyrite.															
		31.40 31.80 Section of locally vuggy, oxidized, and															
		broken core.															
		31.80 32.50 Fault zone in graphitic sediment, 30%															
		RQD, good recovery, silvery black, dark															
		black, fine grained, weakly foliated at															
		30 tca.															
		35.90 36.50 Dark grey to black graphitic altered															
		section with thin beds of graphitic															
		sediment, local minor faulting, silvery															
		black graphitic fractures.															
		Gradual lower contact.															
38.30	54.60	KOMATIITIC BASALT															
		Dark grey black, fine to medium grained, non															
		magnetic, weakly conductive, moderately hard,															
		locally spinifex textured, komatiitic basalt with															
		sections of locally faulted graphitic sediments.															
		Patchy pervasive ankerite-carbonate and graphitic															
		alterations.															
		Graphitic inter flow units are generally fine															
		grained, dark black grey, conductive, brecciated,															
		faulted, range from thin 1cm beds to 1-2m units.															
		Weakly to locally moderately brecciated with patchy															
		weak foliation around 30 tca.															
		Facture and brecciation healing and filling															
		consists of black serpentine/graphite and															
		grey-white carbonate-ankerite.															
		20-25% Broken core, larger sections up to 1m due to															
		faulting and graphitic units.															
		3-5% Grey white ankerite-carbonate stringers,															
		generally irregular, locally clustered.															
		1-2% Localized black-dark green, hard, irregular															
		serpentine stringers.															

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(%) %
		Mineralization consists of 1-2% brassy brown pyrrhotite with up to 3% locally, generally related to graphitic sections and sometimes mixed with trace bright yellow chalcopyrite (a few specks) and possibly trace amounts of pentlandite.															
		46.40 4.00 Inches platy grey-black olivine spinifex texturing.															
		53.80 54.20 Localized orange ankerite stringers.															
54.60	55.10	MAFIC DYKE															
		Dark green, fine grained, massive, non magnetic mafic dyke with 0.5% disseminated pyrrhotite, sharp contacts at 55 and 60 tca.															
55.10	57.30	GRAPHITIC ARGILLITE															
		Dark black, fine grained, massive, weakly brecciated section, 20% komatiitic basalts, 1% brassy brown pyrrhotite associated with fractures/stringers.															
57.30	58.90	KOMATIITIC BASALT															
		Same as 38.30 to 54.60 m. Lower contact is faulted, contact at around 50 tca.															
58.90	66.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to black, fine grained, massive, moderately hard, komatiitic mesocumulative peridotite flow with localized graphitic sections. No reaction to HCl, very weak ankerite-dolomite alteration. 10-15% Sections of broken core. Weakly brecciated with increased brecciation starting around 65m. Fracturing at 30-50 degrees to core axis with 1-5mm serpentine and carbonate fracture filling. 1-2% White-grey-green serpentine stringers at various angles but generally 30 tca.															
		60.00 65.00 0.5%-1% yellow to brassy brown pyrrhotite on fractures and along stringers.															
		65.00 65.80 28cm block of graphitic sediments with fine grained light brownish alteration, increased brecciation, weakly foliated at 30 degrees to core axis with 5mm beds, mineralization consists of 2-3% brown-yellow finely disseminated pyrite with trace-0.5% brassy brown pyrrhotite and a few specks of bright yellow chalcopyrite associated with bedding and brecciation, a few hairlike pyrrhotite stringers at 30 degrees to															

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 axis, a few cross cutting 30 degrees to core axis generally pyrrhotite stringers with trace amounts of chalcopyrite and pyrite.															
		65.40 1-1.5cm white carbonate stringer overlain by fine brown alteration and 1% bright yellow chalcopyrite with finely disseminated pyrite and trace amounts of pyrrhotite.															
		65.80 66.90 Heavily brecciated section with patchy calcite alteration, generally carbonate-serpentine healed breccia with 1% irregular carbonate stringers, local white calcite stringers at 30 degrees to core axis, unit speckled with orange ankerite throughout, 0.5% pyrrhotite on fractures.															
		Lower contact faulted, around 30-40 tca.															
66.90	70.20	FAULT ZONE															
		Fault zone in mesocumulate peridotite flow with alternating heavily faulted ruble zones (0% RQD, poorly recovery) and fairly competent bladed spinifex zones.															
		66.90 68.00 Rubble zone with maybe 20% recovery, 0% RQD, 6-7cm fault gouge locally, trace brassy brown pyrrhotite on fractures.															
		68.00 69.20 Bladed spinifex section within brecciated core with 80-85% RQD, 0.5% pyrrhotite on fractures and associated with brecciation.															
		69.20 70.20 Ruble zone with 30% recovery, 0% RQD, trace pyrrhotite on fractures.															
70.20	141.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black-green to black, fine grained, massive, hard, weakly magnetic, amygdaloidal peridotite flow, mesocumulate to adcumulate.															
		Patchy weak serpentine and carbonate alterations.															
		Abundant dark green-black serpentine filled amygdules, sub rounded, 1-2mm up to 2cm.															
		Good RQD of 95%.															
		Fracturing at 70 degrees to core axis with serpentine carbonate fracture filling.															
		Localized brecciation.															
		2-3% Greyish white calcite and serpentine calcite stringers/veinlets at 25-30 and 70 degrees to core axis, hairlike to plus/minus 1cm.															
		Trace amounts of irregular greyish white serpentine stringers.															
		Trace brassy brown pyrrhotite associated with															

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/fractures.															
		Gradual lower contact.															
141.40	155.70	KOMATIITIC PERIDOTITE GRAPHITIC															
		Grey to green, fine grained, massive, homogeneous,															
		moderately hard to hard, weakly magnetic,															
		peridotite flow.															
		Weakly to moderately calcite altered causing local															
		grey to light brown bleaching.															
		A few sections of broken core giving unit an															
		overall RQD of 70%.															
		Fracturing at 70 degrees to core axis with															
		serpentine carbonate fracture filling.															
		1% White calcite stringers at 65-70 tca.															
		2% White to beige quartz-calcite stringers/veinlets															
		(bleached) at 65-70 degrees to core axis,															
		5mm-3.5cm, average 1cm.															
		Rare yellow coarse pyrite associated with stringers.															
		142.60 144.50 Broken core with localized low angle															
		fracturing at 20-30 tca.															
		Gradual lower contact.															
155.70	178.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, very fine grained, massive,															
		homogeneous, hard, weakly magnetic, adcumulate															
		peridotite flow.															
		Weak to moderately serpentine altered.															
		Good RQD of 95%.															
		Fracturing at 65-70 degrees to core axis with white															
		grey-green serpentine-calcite filling plus/minus															
		1-2mm.															
		White and grey white hairlike to plus/minus 1cm															
		calcite, serpentine and calcite serpentine															
		stringers/veinlets at various angles 40-50 and															
		60-70 tca.															
		No visible sulphides except at 166.6, fine grained															
		disseminated pyrite on fracture.															
		172.50 173.00 Broken core, 0% rqd.															
		175.00 176.00 Broken core, 10% rqd.															
		Gradual lower contact.															
178.80	190.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to black, fine grained, massive,															
		homogeneous, weakly magnetic, hard, mesocumulate to															
		adcumulate peridotite flow.															
		Weakly serpentinized.															
		Fairly good RQD of 75-80% with a few minor sections															
		of broken core.															
		Fracturing at 65-70 degrees to core axis with white															
		calcite-serpentine fracture filling.															
		2-3% White calcite and calcite serpentine															

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/veinlets at 60-70 degrees to core axis, hairlike to 1cm, 6cm vein at 181.3.															
		178.80 181.70 Trace to at best 0.5% finely disseminated brassy pyrrhotite.															
		181.70 182.50 4 or 5 blebs/blobs of brassy fine pyrrhotite with yellow brown pentlandite specks, radiating needles of millerite associated with blebs at 182.9.															
		183.50 190.00 Light to dark grey section of more orthocumulate to adcumulate with a few pyrrhotite blebs and 0.5% brassy disseminated pyrrhotite in matrix and on fractures.															
		184.10 10cm brownish altered section with 10% brassy brown semi massive patches/stringers of pyrrhotite at 50 degrees to core axis with 0.5% finely disseminated pentlandite and bright yellow specks of chalcopyrite, a few calcite stringers overlain by bright yellow chalcopyrite up to 1-2%.															
		Gradual lower contact.															
190.00	217.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark blackish green, very fine grained, massive, weakly to non magnetic, adcumulate to mesocumulate peridotite flow.															
		It is cut by 3-5% white carbonate stringers to veinlets (1mm to 2cm wide).															
		The stringers are randomly oriented but dominate orientation is 45-50 tca.															
		Stringers less intense below 213m.															
		Alteration, weak pervasive serpentinization.															
		Mineralization, brown to brassy very fine grained to fine grained pyrrhotite and pentlandite, concentrated below 213m.															
		Structure: weak to moderate fracturing, RQD 75-80%.															
		Black very fine grained serpentine amygdules 3-8mm in diameter, scattered from 190m down to 203m with concentrations up to 20% locally.															
217.00	218.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to grey, fine grained, massive to spinifex textured, non magnetic, altered, mesocumulate peridotite flow.															
		Alteration, moderate pervasive tremolite-carbonate alteration imparting grey coloration to white.															
		217.00 218.10 Dark grey, sulphide, mesocumulate peridotite flow.															

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(%) %
218.10	224.00	KOMATIITIC SPINIFEX PERIDOTITE															
		218.10 218.65 Light grey, altered, spinifex peridotite section.															
		218.65 220.80 Light grey, altered, spinifex section of 20% black to grey long fine grained olivine blades.															
		220.80 221.70 Same as above, but coarse random spinifex.															
		221.70 224.00 Greenish grey, fine grained, fine random spinifex altered peridotite flow.															
		Lower contact gradational.															
224.00	234.45	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Greenish, very fine to fine grained, serpentinized, soft, non magnetic, mesocumulate peridotite flow.															
		Peridotite is cut by 3% very fine white carbonate stringers, randomly oriented.															
		Structure, weakly fractured, RQD 80-85%.															
		Alteration, weak to moderate pervasive serpentinization.															
		Mineralization, locally trace pyrrhotite disseminations.															
		Sharp lower contact at 40 tca.															
234.45	237.40	MAFIC DYKE															
		Brownish grey, very fine grained-fine grained, massive, homogeneous, non magnetic, mafic intrusive (gabbro).															
		It is comprised of 20% white fine plagioclase and quartz phenocrysts interlocked with 75% dark grey amphibole and 5% black biotitic flecks.															
		Structure, weak low angle fracturing 10-15 degrees to core axis, 70% rqd.															
		Alteration, moderate pervasive calcite.															
		235.65 White bleached peridotite flow selvage															
		Lower contact at 40 tca.															
237.40	245.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Greenish grey, fine grained, mesocumulate, non magnetic, peridotite flow.															
		It consists of 70-75% olivine cumulate (light grey serpentine altered or black unaltered) with a white carbonate-tremolite very fine grained matrix.															
		The upper 15cm contact area is bleached as a result of intrusive dyke.															
		Flow cut by 5-7% white irregular random carbonate stringers to veinlets down to 243m.															
		The mesocumulate flow becomes very fine grained below 241.5 and fines towards lower contact.															
		Flow quite homogeneous and massive below 241m.															

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(%) %
		Structure, weak fracturing, RQD of 90%.															
		Alteration, moderate pervasive carbonate-tremolite.															
		Sharp lower contact at 65 tca.															
		245.50 245.80 Chilled lower contact.															
245.80	246.40	GRAPHITIC ARGILLITE															
		Black, very fine grained, weakly bedded graphitic															
		sediment.															
		It consist of 60% very fine grained black graphite															
		argillite and 40% grey siliceous very fine grained															
		greywacke beds.															
		Bedding is at 50 degrees to core axis.															
		Definitely an inter flow sediment.															
		Sediment unit grades into flow top breccia.															
246.40	250.00	KOMATIITIC SPINIFEX PERIDOTITE															
		246.40 246.80 Flow top breccia, aphanitic to very															
		fine grained with 10-15% black															
		angular graphite shards locally.															
		246.80 248.00 Grey altered random coarse spinifex															
		section, trace sulphides.															
		248.00 250.00 Fine random altered spinifex section															
		with 2% very finely disseminated															
		pyrrhotite.															
		Gradual lower contact.															
250.00	257.55	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Blackish green, very fine grained, mesocumulate,															
		non magnetic, peridotite flow (same as 200-217).															
		Local adcumulate sections.															
		It is cut by 3% irregular white carbonate stringers															
		(up to 5mm wide).															
		Mineralization, 0.5% to 1% very finely disseminated															
		brassy pyrrhotite throughout unit.															
		Gradual lower contact.															
257.55	264.30	KOMATIITIC PERIDOTITE ORTHOCUMULATE															
		White speckled, grey fine to medium grained,															
		massive, orthocumulate to mesocumulate peridotite															
		flow.															
		It is comprised of 40% white aphanitic calcite rich															
		matrix 60% black fine grained olivine cumulate and															
		grey serpentine altered olivine cumulate grains.															
		Pervasive calcite alteration.															
		Mineralization, locally trace very fine grained															
		pyrrhotite disseminations.															
		Structure, weak fracturing, RQD of 90% except															
		internal altered section where moderate fracturing															
		give unit a 70% rqd.															
		259.80 263.20 Pale green to greenish grey very fine															
		to fine grained altered peridotite															

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(%) %
		flow section.															
264.30	265.80	FAULT ZONE Very blocky core, RQD 10% and 60% core loss.															
265.80	281.80	KOMATIITIC PERIDOTITE MESOCUMULATE Blackish green, very fine grained to fine grained, massive, serpentinized mesocumulate peridotite flow. It is comprised of 85% fine black olivine cumulate interstitial with aphanitic white glassy matrix. Mineralization, 20% very fine grained brown pyrrhotite blebs to blobs (up to 5cm) with brassy pentlandite flecks. Local brassy pentlandite blebs (5mm) from 265.6-268.9m. Then from 268.8 to 270.3 very fine dusting of 7% brown pyrrhotite and pentlandite. Structure, moderately fractured from 269, RQD 70%. The mesocumulate flow is cut by 3-4% irregular white carbonate stringers.															
		276.00 281.80 Alteration white to light grey section of intense pervasive carbonate of the matrix.															
		278.00 281.80 Scattered angular fragments to blocks of serpentinized very fine grained adcumulate peridotite.															
		281.65 281.80 Possible weak spinifex texture.															
		Lower contact gradual.															
281.80	297.00	KOMATIITIC PERID0TITE ADCUMULATE Black green, very fine grained, aphanitic, massive, weakly magnetic, adcumulate peridotite flow. It is cut by 1-2% white carbonate stringers increasing to 5% from 294-299m. Also minor dark green serpentine filled fractures locally. Structure, weak fracturing, 85% RQD. Mineralization, locally 0.5% to trace very fine grained disseminated pyrrhotite and pentlandite. Gradual lower contact.															
297.00	315.75	KOMATIITIC PERIDOTITE MESOCUMULATE Greyish green, very fine grained to fine grained, non magnetic, altered, mesocumulate peridotite flow. Alteration is intense pervasive carbonate-serpentinization of the flow. Structure is weak fracturing, RQD of 90-95%. Mineralization consists of nil sulphides till 314.4 to 315.75m where sulphides zone begins.															
		305.00 305.40 Polyhedral jointing.															
		311.50 314.40 Alteration consists of intense pervasive causing complete bleaching															

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(%) %
		of section 313.5-313.8 section containing 20-25% subrounded very fine grained aphanitic altered (serpentinization-carbonatization) felsic volcanic fragments to small blocks.															
		Gradual lower contact.															
315.75	321.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Same as 281.8-297m.															
		It is cut by 3-4% white carbonate-serpentine stringers to fractures (randomly oriented).															
		Structure consists of weak fracturing, RQD 90%.															
		Mineralization: the upper portion 315.75-317m contains 20-25% blebby pyrrhotite and pentlandite then it decreases to 2-5% disseminations and local blebs.															
		Gradual lower contact.															
321.80	379.45	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Sequence of variably altered mesocumulate and adcumulate flow units.															
		The sequence is cut by 3% very fine carbonate plus serpentine stringers to fracture fillings (up to 1cm thick, mostly 1-5mm) from 320 to 358m and 365.5 to 376m.															
		Mineralization: 1-2% very fine grained brown pyrrhotite disseminations to local blebs from 321.8 to 326m.															
		Otherwise trace to 0.5% very locally.															
		Structure, weak fracturing, RQD 90%, locally small sections of 65-70% rqd.															
		321.80 329.20 Greyish green, fine grained, carbonate to serpentine altered peridotite mesocumulate flow.															
		329.20 332.00 Blackish green, fine grained, moderately serpentinized peridotite mesocumulate flow.															
		332.00 337.00 Dark green, very fine grained to aphanitic, peridotite adcumulate flow (weak serpentine).															
		337.00 370.00 Same as 329.2 to 332m.															
		358.00 370.00 Same as upper portion 321.8 to 329.2m.															
		370.00 374.50 Same as 329.2 to 332m.															
379.45	380.00	SEDIMENT (UNDIFFERENTIATED)															
		Dark brownish grey, very fine grained, hard, silicified, massive, homogeneous, non magnetic, inter flow sediment.															
		Sharp contacts at 30 degrees to core axis (upper and lower).															

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(%) %
380.00	384.70	KOMATIITIC SPINIFEX PERIDOTITE															
		Greyish green, carbonate and serpentine altered,															
		fine grained, spinifex (faint black olivine															
		needles) textured mesocumulate peridotite flow.															
		382.90 384.20 White speckled, orthocumulate															
		peridotite section.															
		384.20 384.70 Brecciated with trace very fine															
		grained brown pyrrhotite															
		disseminations.															
		Lower contact at 30 tca.															
384.70	401.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark blackish green, very fine grained, weak to															
		moderate serpentinized adcumulate flow, non magnetic															
		It is cut by 5% very fine (1-3mm) carbonate pale															
		green serpentine random fractures/stringers.															
		Structure, weak fracturing, RQD 80%.															
		Mineralization: nil.															
401.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349401.00
Easting:	497521.10
Elevation:	294.68
Collar Azi.:	318.7
Collar Dip:	-44.8
Hole length:	413.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	Drilled above hole GCL-07-06, same set-up
Logged by:	G. Sparling, K. Montgomery
Date(s) logged:	June 6, 2007
Purpose:	Establish up-dip continuation of zone
Core storage:	Moneta Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
17	321.8	-45.3
68	325.0	-45.6
221	327.9	-47.6
332	330.6	-48.4
383	331.9	-47.9
413	332.6	-48.0

Drill Hole:	GCL7-10
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	100N
Easting:	0E
GPS Northing:	5349401.14
GPS Easting:	497521.08
Date Started:	May 29, 2007
Date completed:	June 11, 2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	5.30	OVERBURDEN Casing.															
5.30	17.30	KOMATIITIC PERID0TITE ADCUMULATE Dark black, very fine to fine grained, massive, homogeneous, hard, weakly magnetic, adcumulate peridotite flow. No reaction to HCl, patchy weak serpentine alteration (pale green color). 5-8% Serpentine filled amygdules, generally sub rounded, ranging in size from 2mm to 4-5cm, average maybe 8mm. Core condition is fairly good with an overall RQD of 70-75% with a half dozen or so minor fracture zones/faulting. Fracturing at various angles 30, 40, 50 and 70 degrees to core axis with serpentine and calcite filling. Rare localized fibrous fractures. 1-2% White calcite-serpentine stringers as combination stringers and locally as individual calcite and serpentine stringers at various angles. Stringers occur at 30, 40, 50 and 60-to 70 tca. A few up to 1cm green serpentine-carbonate stringers at 40 tca.															

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(%) %
		Rare dull yellow-brown pyrite on fractures.															
17.30	19.50	KOMATIITIC SPINIFEX PERIDOTITE															
		17.30 19.30 Patchy very faint random platy olivine spinifex texture.															
		19.30 19.50 Minor fault with calcite-serpentine healed breccia and 10% clay fault gouge.															
19.50	52.00	KOMATIITIC PERID0TITE ADCUMULATE															
		22.50 30.10 Light greyish to green section (high heat), with a few minor sections of broken core.															
		30.10 38.00 Unit becomes light greenish, highly calcite altered with minor serpentine and fracture zone starting from 34.5-38m.															
		40.00 52.00 Patchy weak to locally pervasive serpentine (light-green blue) with up to 20% serpentine vesicles, locally in clusters, trace- 0.5% very fine grained disseminated pyrite, pentlandite and pyrrhotite.															
		Gradual lower contact.															
52.00	77.10	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, very fine to fine grained, massive, homogeneous, hard, weakly magnetic, adcumulate peridotite flow.															
		10-15% Patchy weak calcite alteration with a few patches of pale green serpentine alteration.															
		Excellent core condition with a 90-95% RQD.															
		Fracturing at various angles 40, 50 and 70 degrees to core axis with serpentine and calcite filling.															
		1-2% White calcite stringers up to 5mm at generally 40-50 tca.															
		A few up to 1cm green serpentine-carbonate stringers at 60-70 tca.															
		A few stringers dark green serpentine with some calcite association at 30 and 60 tca.															
		Generally trace-0.5% fine disseminated brassy pyrrhotite in matrix and locally on fracture with localized section of 1-2%.															
		Trace-0.5% disseminated pentlandite and pyrite.															
		56.50 58.50 1-2% brassy pyrrhotite disseminated in matrix and as minor blebs with bright to dull yellow pentlandite in blebs and locally disseminated.															
		60.70 61.60 Light grey highly calcite altered with patchy blades of spinifex, trace pyrrhotite in matrix.															
		62.50 62.60 Spinifex 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(%) %
		65.00 Patchy mesocumulate with adcumulate.															
		65.00 77.10 Mineralization: 1-2% very finely disseminated pyrrhotite and pentlandite (intercumulus).															
		67.50 77.10 5% white carbonate-serpentine veinlets/stringers.															
		71.60 An irregular massive pyrrhotite-pentlandite veinlet/band at 65 tca.															
		Gradual lower contact.															
77.10	93.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Greyish black, fine grained, massive, weakly magnetic, mesocumulate peridotite.															
		77.10 83.50 5% white carbonate-serpentine veinlets/stringers.															
		77.10 81.00 Mineralization: same as 65-77.1m.															
		81.00 83.80 Mineralization: 12-15% sulphides consisting of brassy fine grained pentlandite (2-3%) and10-13% brown fine grained pyrrhotite blobs and patches with brassy pentlandite specks and yellow chalcopyrite.															
		83.00 83.80 Yellowish green serpentine filled micro fractures.															
		83.60 89.60 Blocky core, RQD 60%, strongly fractured.															
		83.80 90.00 Mineralization: 5-6% sulphides overall, mostly scattered brown pyrrhotite and pentlandite, irregular blobs (1-2cm size) and fine grained disseminations with some local concentrations of 10% over 10cm sections.															
		90.00 92.10 Mineralization: 15% very fine grained to fine grained brown pyrrhotite and brassy pentlandite occurring as irregular blobs (1-1.5cm size) and disseminations. Trace chalcopyrite.															
		92.10 93.60 Mineralization 3-5% brown pyrrhotite-brassy pentlandite, finely disseminated and local blobs (1cm) and veinlets.															
		92.80 93.60 Same as 83-83.8m.															
		Lower contact at 60-65 tca.															
93.60	95.00	MASSIVE SULPHIDE ZONE															
		Brown to brassy, very fine grained to medium grained, massive, strongly magnetic, pyrrhotite and pentlandite zone.															
		93.80 94.60 The upper 20cm portion is brown very fine grained pyrrhotite and pentlandite (85%) with fine black peridotite															

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(%) %
		slivers.															
		94.30 94.60 Fine to medium grained massive pyrrhotite and pentlandite (90%) and is cut by a chalcopyrite-carbonate-pyrrhotite veinlet (2.5cm) at 5 tca.															
		94.60 95.00 The lower base of the massive sulphide is medium to coarse grained, brassy pyrrhotite-pentlandite, coarser pentlandite flashes visible.															
		Lower contact wavy 20 tca.															
95.00	95.90	NET TEXTURED SULPHIDE ZONE															
		The brassy to black, magnetic zone of 60% very fine grained-fine grained pyrrhotite and pentlandite in a net pattern around 40% black very fine grained olivine cumulate grains.															
		Sharp contact but diffuse.															
95.90	107.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Peridotite flow (adcumulate), dark blackish green, very fine to fine grained, massive, weakly magnetic.															
		Cut by 1-2% white serpentine-carbonate filled fractures.															
		Moderately fractured, RQD 60-70%.															
		Mineralization: 2% very finely disseminated brassy pyrrhotite-pentlandite intercumulus to the olivine.															
		Gradual lower contact.															
107.00	125.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Greyish white, fine grained, altered, mesocumulate to locally orthocumulate peridotite flow.															
		Moderate pervasive calcite or carbonate.															
		Fracturing ranges from 50-70 degrees to core axis with quartz-carbonate-serpentine fracture filling.															
		Good RQD of 85% with local minor broken core.															
		Various angled calcite-serpentine stringers at 0-10, 50 and 60-70 tca.															
		Trace local brassy pyrrhotite in matrix with local up to maybe 0.5% pyrrhotite on fractures.															
		116.30 122.00 Highly calcite carbonate altered section with 0.5% local pyrrhotite and patchy faint spinifex texture.															
		Gradual lower contact.															
125.00	132.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, very fine to fine grained, massive, homogeneous, hard, weakly magnetic, adcumulate peridotite flow.															
		Very weak patchy calcite.															
		Fracturing at generally 60-70 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(%) %
		with serpentine-carbonate fracture filling.															
		1% Scattered irregular calcite-serpentine stringers.															
		Rare brassy pyrrhotite.															
		Gradual lower contact.															
132.80	145.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to black, fine to medium grained, hard,															
		massive, homogeneous, patchy weakly magnetic,															
		mesocumulate with patchy adcumulate, peridotite flow															
		Patchy pervasive carbonate (ankerite-dolomite) with															
		patches of very weak calcite.															
		A few minor section of broken core giving unit a															
		RQD of 80%.															
		Fracturing at 60-70 degrees to core axis with															
		serpentine-carbonate fracture filling.															
		Rare specks of pyrrhotite.															
		133.80 135.10 Light grey to green highly altered															
		section, mix of serpentine-carbonate.															
145.40	146.00	KOMATIITIC SPINIFEX PERIDOTITE															
		145.40 146.00 Very faint blades of olivine spinifex															
		texture, overall extents covered by															
		alteration.															
146.00	152.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 132.8 to 145.4 m.															
		Gradual lower contact.															
152.00	171.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black to dark grey, fine grained, massive, non															
		magnetic, homogeneous, hard, weakly magnetic,															
		adcumulate peridotite flow.															
		Pervasive ankerite-dolomite- carbonate alteration.															
		A few minor sections of broken core giving unit an															
		overall RQD of 70-75%.															
		Fracturing at 60-70 degrees to core axis with															
		carbonate and serpentine-carbonate fracture filling.															
		5-8% White to white-green quartz-carbonate and															
		serpentine-carbonate stringers/veinlets at 30-40															
		degrees to core axis with abundant irregular															
		sections.															
		Rare scattered specks of brassy pyrrhotite.															
		Lower contact at around 30 tca.															
171.80	172.70	FELSIC INTRUSIVE (UNDIFFERENTIATED)															
		Beige to pink-orange, aphanitic, sections of weak															
		porpheritic texture, non magnetic, hard, aplite															
		dyke.															
		Weakly silicified and calcite altered.															
		20% Slivers to wedges of peridotite.															
		Weakly fractured at 40 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% Quartz-calcite veinlets/stringers.															
		Nil-trace pyrite-pyrrhotite.															
		Sharp lower contact at 60 tca.															
172.70	201.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black, very fine to fine grained, massive,															
		homogeneous, hard, weakly magnetic, adcumulate															
		peridotite flow.															
		20% Patchy light grey (mesocumulate) carbonate															
		altered sections, rare very weak calcite alteration															
		and serpentinization.															
		Unit has a good RQD of 90% with very minor															
		localized healed breccia and 10% sections of broken															
		core up to 15cm.															
		Fracturing at 40, 60 and 75-80 degrees to core axis															
		with millimeter thick green serpentine and milky															
		white quartz-carbonate-calcite fracture filling.															
		6-7% White to milky white and green-white															
		serpentine-calcite and calcite carbonate stringers															
		at various angles 30, 40 and 50 tca. Stringers															
		range in size from hairlike up 8-9mm.															
		4 Milky white quartz-carbonate veinlets up to 14cm															
		at 50-60 degrees to core axis.															
		Rare brassy pyrrhotite on fractures/stringers.															
		195.40 14cm milky white quartz-carbonate															
		veinlet with contacts at around 60															
		tca.															
		Gradual lower contact.															
201.00	203.10	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Blackish grey, fine grained, mesocumulate															
		peridotite flow section.															
		Lower contact sharp but indiscernible due to blocky															
		core.															
203.10	204.70	GRAPHITIC ARGILLITE															
		Graphitic argilliceous sediment.															
		Dark grey to black, aphanitic to very fine gained,															
		massive, hard, patchy very weak magnetism.															
		Patchy weak to moderate calcite alteration with															
		pervasive graphite alteration.															
		Weak 45-50 degrees to core axis foliation with no															
		visible bedding.															
		Fracturing at around 50-60 degrees to core axis															
		with silvery to blackish graphitic fractures.															
		0.5% Blebs to disseminations of yellow to dull															
		brownish pyrite, trace pyrrhotite.															
		Lower contact at 50 tca.															
204.70	206.00	FAULT ZONE															
		Greyish to dark greyish black, very 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(%) %
		fault zone in graphitic sediment. Poorly RQD at 0% with at best a 10% core recovery composed of essentially ruble with clay gouge. Lower contact obliterated by faulting.															
206.00	225.20	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark black with greyish black sections, massive, homogeneous, hard, weakly magnetic, adcumulate peridotite flow with sections of mesocumulate to adcumulate. Pervasively carbonate altered with patchy rare calcite. Good RQD of 90-95% with fracturing at 60-70 tca. White to greenish white serpentine and carbonate fracture filling up to 4-6mm thick. 10% Irregular to 40-60 degrees to core axis greyish-white with some green serpentine-carbonate stringers. A few milky white quartz-carbonate stringers/veinlets at 50 tca. Brassy to brown pyrrhotite disseminated throughout matrix with concentrations from 0.5%-1%, locally on fractures and stringers.															
		206.00 207.80 Greyish to black carbonate altered section, mesocumulate to adcumulate, trace-0.5% brassy pyrrhotite.															
		221.20 222.70 Greyish-white carbonate altered section, trace pyrrhotite, orthocumulate to mesocumulate.															
		222.70 225.20 Dark black to greyish, patchy graphite alteration with silvery to black graphite on fractures.															
		Lower contact shows signs of weathering and is at 45-50 tca.															
225.20	249.10	KOMATIITIC PERIDOTITE GRAPHITIC															
		Dark brown to blackish, fine to medium grained, massive, homogeneous, moderately hard to hard, rare patchy magnetism, biotitic mafic dyke. Pervasive calcite alteration with weak to moderate biotite alteration. Good RQD of 95% with patchy weak 40-50 degrees to core axis foliation. Fracturing at 60-70 degrees to core axis with rare calcite filling. 2-3% Hairlike to 1cm white calcite stringers at 30 and 40-45 tca. No visible sulphides. Lower contact at 50 tca.															
249.10	260.50	KOMATIITIC PERID0TITE 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(%) %
		Dark black, very fine grained, massive, homogeneous, hard, weakly to non magnetic, adcumulate peridotite flow with sections of mesocumulate. Patchy weak calcite alteration with local carbonate alteration and talc alteration. Localized section of broken core (talc) from upper contact to 250.4m otherwise unit has an RQD of 85-90%. Fracturing at 65-75 degrees to core axis with minor scattered carbonate fracture filling. 4-5% White quartz-carbonate stringers/ veinlets at various angles 50 and 70 tca. 1-2% Finely disseminated pyrrhotite and pentlandite throughout matrix and on fractures/stringers.														
260.50	263.90	KOMATIITIC PERIDOTITE MESOCUMULATE White to grey, mesocumulate section, weakly carbonate altered, trace pyrrhotite. Lower contact at 50 tca.														
263.90	264.60	GRAPHITIC ARGILLITE Dark black, very fine grained, massive, hard, non magnetic, highly conductive, graphitic sediment. Pervasively graphite altered with patchy calcite. Minor fracturing at 50-60 degrees to core axis with silvery black graphite and trace amounts of serpentine. 0.5% Finely disseminated pyrite with maybe some pyrrhotite, several blebs with replacement pyrite. Lower contact at 55 tca.														
264.60	278.00	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey to blackish, fine grained, massive sections, moderately hard to hard, mesocumulate with patchy adcumulate peridotite flow. Alteration consists of patchy weak to moderate calcite, talc, carbonate and very weak serpentine. A few minor sections of broken core up to 4-5 inches Fracturing at 30, 40 and 50 degrees to core axis with sections of talc, serpentine, carbonate and local graphite fracture filling. A few calcite, talc and quartz-carbonate stringer scattered throughout unit at 70-75 tca. Trace to 0.5% pyrrhotite-pyrite disseminated in matrix, locally elevated around quartz-carbonate stringers. Gradual lower contact.														
278.00	292.40	KOMATIITIC PERID0TITE ADCUMULATE Dark black, very fine grained, massive,														

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(%) %
		homogeneous, hard, weakly to non magnetic, adcumulate peridotite flow. No reaction to HCl but local patchy weak carbonate alteration. Fracturing at 0-20, 40 and 70-75 degrees to core axis. Fracture filling consists of minor serpentine with up to 1cm thick quartz-carbonate. 2-3% White quartz-carbonate stringers at 60-70 degrees to core axis. 4-5 White quartz-carbonate veinlets up to 12cm with contacts at 60-65 tca. Rare dull yellow-brown pyrite on fractures. 284.00 292.40 Heavily fractured section with RQD of 60-65%.															
292.40	299.80	KOMATIITIC PERIDOTITE MESOCUMULATE 292.40 298.90 White-grey-black, fine to medium grained, mesocumulate with patchy adcumulate, pervasively carbonate altered. Lower contact slightly graphitic at 65 tca.															
299.80	302.20	GRAPHITIC ARGILLITE Dark black, aphanitic to very fine grained, patchy very localized magnetism, hard, highly conductive, graphitic argilliceous sediment. Pervasively graphite altered with patchy highly calcite altered sections, local rodenbergite alteration (orange-reddish). Unit has a good RQD of 90% with very has a poorly RQD of 50% due to several minor fracture zone and minor faulting with up to 3-4cm fault gouge. Fracturing/foliation at roughly 60 degrees to core axis with silvery black graphitic fractures throughout. 1-2% Bright yellow pyrite as dissemination and vuggy nodules. Trace local brassy pyrrhotite/pyrite associated with orange-reddish alteration. Lower contact at 60-65 tca.															
302.20	325.90	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey-white to black, fine grained, massive, homogeneous, weakly magnetic, moderately hard, peridotite flow, mesocumulate to orthocumulate with patchy adcumulate. Pervasively carbonate and talc altered. Good RQD of 95%, fracturing at 70-75 degrees to core axis with very minor mm thick carbonate fracture filling.															

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% Or so white and grey carbonate/serpentine irregular stringer/veinlets. Brassy to brownish pyrrhotite disseminations locally clustered up to 0.5% around stringers/veinlets.															
		302.20 303.60 Dark black to grey section with pervasive patchy graphite alteration / fractures and 4 inch fault gouge at 302.5m.															
		304.40 Five inch minor faulted section (gouge on slips).															
		319.80 325.90 Patchy pervasive graphitic alteration with 20% graphitic inter flow sediment, trace-0.5% pyrrhotite. Gradual lower contact.															
325.90	332.00	GRAPHITIC ARGILLITE															
		Dark black, aphanitic to very fine grained, massive, patchy very localized magnetism, hard, highly conductive, graphitic argilliceous sediment. Pervasive graphite alteration with patchy weak calcite. Not a good graphitic argillite with distinct contacts. 10% Black to grey peridotite sections. Weak patchy foliation at 30-40 degrees to core axis. 15% Highly graphitic sections of broken with silvery black fractures. A few 30 degrees to core axis calcite stringers. Rare dull yellow-brown pyrite in matrix and in fractures. Gradual lower contact.															
332.00	342.80	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark grey to black, fine grained, massive, moderately hard to hard, slightly magnetic, patchy conductivity, peridotite flow, adcumulate to mesocumulate. 10-15% Dark black graphitic inter flow sediments. Moderately to highly calcite altered with patchy carbonatization and graphitic alterations. Weakly foliated at 15-30 degrees to core axis, minor sections of broken core, 85% rqd. Fracturing at 30-50 degrees to core axis with generally silvery-black graphitic fractures. A few 20-30 degrees to core axis white calcite with minor quartz stringers. Rare very minor pyrite and maybe some pyrrhotite. Lower contact at 30 degrees to core axis.															
342.80	369.50	KOMATIITIC PERIDOTITE GRAPHITIC															
		Dark grey-brown to black, coarse grained, massive,															

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(%) %
		homogeneous, non conductive, non magnetic,															
		peridotite intrusive.															
		Pervasive moderate calcite alteration with weak to															
		moderate graphite and biotite alterations.															
		Good RQD of 95% with a rare very weak patchy															
		foliation at 40-45 degrees to core axis.															
		Fracturing at 45 degrees to core axis with very															
		minor dull silver to black graphite on fractures.															
		2-3% Irregular hairlike to 45 degrees to core axis															
		calcite stringers.															
		Trace-1% locally disseminated pyrite and pyrrhotite															
		in matrix and associated with stringers/fractures.															
		365.00 Unit appear to become more medium															
		grained or appears that way do to															
		increased graphite alteration.															
		Lower contact 30-35 tca.															
369.50	378.50	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey-white to black, fine grained, massive,															
		homogeneous, weakly magnetic, moderately hard,															
		peridotite flow, mesocumulate.															
		Pervasively calcite altered.															
		Good RQD of 95% plus, rare 60-70 degrees to core															
		axis fractures with very minor carbonate.															
		2% White-greyish calcite stringers at 0-30 degrees															
		to core axis.															
		No visible sulphides.															
		Gradual lower contact.															
378.50	408.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Same as 369.5-378.5m.															
		Pervasive weak to moderate carbonatization with															
		weak ankerite (?).															
		Scattered poorly developed foliation at 50 tca.															
		A few scattered light to dark grey fine grained															
		sections.															
		10% Variable angled grey-white carbonate stringers															
		at 30 and 40-50 tca.															
		No visible sulphides.															
		398.00 Unit starts to become more talcose															
		with a more moderate alteration															
		starting around 401 giving unit a															
		more green color.															
		401.70 403.00 Dark green weakly chlorite and															
		moderately talcose section of broken															
		core with poorly recovery.															
		403.00 404.00 Fault zone in talcose unit. 0% RQD,															
		40-50% recovery, 5% fault gouge															
		material, contacts around 50-60 tca.															
		407.30 408.30 Dark greenish-grey very massive															
		section to lower contact.															

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(%) %
		Irregular lower contact at around 15-20 tca.															
408.30	413.00	FELDSPAR PORPHYRY Light brown to grey, fine grained, porpheritic (plagioclase phenocrysts), hard, non magnetic, massive. Silicified with patchy very weak calcite alteration. Fracturing at 50-60 degrees to core axis with very minor calcite-chlorite fracture filling. 1-2% White to milky white quartz-calcite-carbonate stringers/veinlets at 60-65 tca. Rare dull yellow coarse pyrite in matrix.														
413.00		END OF HOLE															

Date: 4 Dec, 2008

GOLDEN CHALICE RESOURCES INC

DRILL HOLE RECORD

Northing:	5349401.00
Easting:	497521.30
Elevation:	294.91
Collar Azi.:	319.8
Collar Dip:	-52.4
Hole length:	226.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Talbot GPS
DH Survey method:	Reflex
Comments:	Anomaly W4
Logged by:	G.Sparling, K.Montgomery
Date(s) logged:	April 30, 2007
Purpose:	Test VTEM conductor
Core storage:	Hughes Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
17	321.3	-52.6
119	321.0	-53.6
226	327.0	-53.9

Drill Hole:	GCL7-06
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	100 N
Easting:	L 0
GPS Northing:	5349400.85
GPS Easting:	497521.32
Date Started:	April 24,2007
Date completed:	April 27,2007
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	5.20	OVERBURDEN															
5.20	16.00	KOMATIITIC PERID0TITE ADCUMULATE Dark black, fine grained, massive, peridotite flow, adcumulative, hard, weakly magnetic. No reaction to HCl, pervasive moderate serpentine alteration. Serpentine filled amygdules randomly throughout unit, generally rounded to sub rounded and 3mm to 3-4 cm in size. Fracturing at 55-70 degrees to core axis, serpentine-chlorite fracture filling with rare calcite. Minor sections of broken core maybe 5% of unit. Localized foliation at 30-40 degrees to core axis. A few calcite stringers at 50 degrees to core axis. 1-2% Dark green black serpentine-chlorite stringers at 50 degrees to core axis. 1-2% Whitish-green calcite-serpentine stringers at various angle 20 and 40-50 tca. Trace coarse grained pyrite on fractures.															
16.00	21.00	KOMATIITIC SPINIFEX PERIDOTITE 16.00 17.00 Section of broken ore with local calcite-serpentine healed breccia 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(%) %
		low angle chlorite-serpentine fractures.															
		19.40 20.00 Weakly brecciated section of broken core with low angle chlorite and serpentine fractures.															
		20.00 21.00 Weakly calcite altered section with random blades of olivine spinifex texture.															
21.00	37.30	KOMATIITIC PERID0TITE ADCUMULATE															
		24.00 Localized spinifex texture along fracture.															
		25.40 Increased number of scattered serpentine amygdules with rare calcite amygdules, still adcumulative.															
		32.00 35.40 Localized increase in fracturing, fracture filling (calcite, serpentine) with some minor fault gouge on fractures (1cm).															
37.30	42.00	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Lighter grey to green more medium grained, mesocumulate (?), patchy highly calcite altered, localized poorly developed bladed spinifex texture starting around 38.6 and generally parallel to axis.															
42.00	47.00	KOMATIITIC PERID0TITE ADCUMULATE															
		43.00 Unit returns to being more massive with patchy elevated serpentine alteration, scattered poorly developed spinifex and 0.5%-1% dull yellow pyrite and brassy pyrrhotite along fracture, stringers, locally disseminated and rarely as circular amygdules filling.															
		Gradual lower contact.															
47.00	77.90	KOMATIITIC PERID0TITE ADCUMULATE															
		Dark green to black, massive, homogeneous, fine grained, hard, weakly magnetic.															
		Moderately to locally highly serpentinized.															
		Numerous tiny serpentine amygdules scattered throughout unit, much smaller than the one's up further in holes with local whitish halo's.															
		Fracturing at 60-65 degrees to core axis with serpentine and rare calcite fracture filling.															
		1-2% White calcite stringers at 45-50 degrees to core axis.															
		A few whitish-grey hairlike calcite-serpentine stringers at 20-25 tca.															
		A few greenish-white serpentine stringers at 70-75 tca.															
		Generally trace brownish yellow pyrite with															

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(%) %
		localized 0.5%-1% pyrite and pyrrhotite locally along stringers and fractures.															
		56.80 63.60 Patches of grey highly calcite altered sections mixed in with highly serpentine altered sections.															
		66.00 Scattered serpentine amygdules begin to be less frequent with local clusters.															
		75.00 77.90 Dark black greyish, still a few amygdules, weakly serpentine altered with moderate calcite alteration with scattered (bladed) very poorly developed spinifex texture throughout interval.															
		Gradual lower contact.															
77.90	87.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark blackish to greyish, fine to medium grained, massive, homogeneous, adcumulate to mesocumulate.															
		Weakly serpentine altered with weak to moderate calcite giving unit greyish color.															
		Minor fracturing with serpentine and rare calcite filling.															
		0.5% Scattered dark black and a few whitish grey hairlike serpentine stringers at 40 tca.															
		A few white calcite stringers locally clustered throughout unit.															
		Trace coarse pyrite in matrix.															
87.30	89.20	KOMATIITIC SPINIFEX PERIDOTITE															
		Poorly developed platy spinifex texture.															
89.20	98.60	KOMATIITIC PERIDOTITE MESOCUMULATE															
		95.00 98.60 Unit more greyish with very weak calcite alteration with slight increasing stringers.															
		Gradual lower contact.															
98.60	176.00	SULPHIDIC KOMATIITIC PERIDOTITE															
		Dark grey, very fine grained, massive, homogeneous, magnetic, mesocumulate to adcumulate peridotite.															
		Weakly fractured (good RQD 80-90%).															
		Peridotite cut by 2-3% white fine calcite filled fractures and greenish white serpentine-carbonate fractures to bands.															
		103.00 107.80 2% very fine disseminated pyrrhotite.															
		107.80 110.45 5% sulphides, mostly brown very fine grained to fine grained pyrrhotite.															
		110.45 111.25 8-10% scattered brown very fine grained pyrrhotite, irregular patches cm size and scattered brassy very fine grained to 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(%)
		pentlandite blebs up to 1cm in diameter.															
		111.25 115.50 2% very finely disseminated pyrrhotite and pentlandite, intercumulus to olivine phenocrysts.															
		115.50 116.00 Mineralized: 5% same as above.															
		116.00 118.70 Mineralized 2-3% very finely disseminated pyrrhotite, pentlandite within lighter grey, mesocumulate peridotite section.															
		118.70 122.00 Host of mineralization light grey mesocumulate peridotite. Mineralized: 10-12% sulphides, very fine grained brown pyrrhotite with 1% brassy very fine needle prick pentlandite (?).local massive very fine grained brown pyrrhotite patches at 121 and 121.7m.															
		121.00 122.00 Local specks of chalcopyrite visible.															
		122.00 122.80 Mineralization: 20% very fine grained brown to brassy pyrrhotite and pentlandite.															
		122.80 124.10 Mineralized: grades from 35-60% sulphides, semi massive zone with local conductive sections. Very fine grained brown pyrrhotite with faint brassy very fine to fine grained pyrrhotite specks. The semi massive pyrrhotite is cut by minor hairlike pyrrhotite and chalcopyrite calcite filled fractures.															
		124.10 124.90 Mineralized: 3-5% sulphides, scattered very fine grained brown pyrrhotite patches and disseminations.															
		126.10 132.00 Mineralization: 5% very fine grained brown to locally brassy pyrrhotite disseminations (intercumulus) throughout.															
		127.85 Massive sulphide veinlet/fracture.															
		131.40 10% concentration.															
		128.50 139.20 3-4% white irregular carbonate veinlets to fracture filling with minor green serpentine.															
		134.00 137.00 The peridotite is carbonate altered.															
		132.00 139.20 Mineralized: 1-2% very fine grained disseminated pyrrhotite.															
		139.20 140.70 Mineralized: 0.5% fine grained disseminated brassy pyrrhotite and pentlandite.															
		140.30 140.70 Pyrrhotite and pentlandite disseminations (intercumulus) with a															

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(%) %
		brown very fine grained pyrrhotite stringer/veinlets (1-2mm) at 5 tca.															
		140.70 143.00 Mineralized: 1-2% very fine grained disseminated pyrrhotite.															
		143.00 146.00 Mineralized: 10% very fine grained brown pyrrhotite specks with brassy very fine grained pyrrhotite and pentlandite dissemination, rare brassy pyrrhotite fractures.															
		146.00 149.90 Mineralized: 1-2% disseminated pyrrhotite.															
		149.90 156.00 Mineralized: 8-10% very fine grained to fine grained brown pyrrhotite disseminations, section also cut by 2% white carbonate filled fractures some of which contain sphalerite.															
		156.60 160.20 Mineralized: 15% very fine grained brown pyrrhotite/pentlandite disseminations to specks with scattered thin pyrrhotite/pentlandite stringers and pyrrhotite-carbonate filled fractures. The pyrrhotite-carbonate fractures often contain fine grained chalcopyrite specks.															
		161.00 167.00 Mineralization 3% very fine grained brown pyrrhotite/pentlandite disseminations to specks, along fracture and as stringers at 65-75 tca.															
		161.75 162.00 Reddish rodenbergite alteration in carbonate filled fractures.															
		167.00 176.00 Dark black massive section, no visible sulphides, 2-3% hairlike to 1cm carbonate stringers.															
		Gradual lower contact.															
176.00	183.30	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to black, fine grained, massive, homogeneous, hard, weakly magnetic, mesocumulate peridotite flow.															
		Scattered poorly developed spinifex texture.															
		Very weak patchy calcite and serpentine alterations.															
		Minor fracturing at 40 and 70 degrees to core axis with very minor carbonate-serpentine filling.															
		A few hairlike calcite stringers at 65 degrees to core axis.															
		A few low angle quartz carbonate stringers.															
		Trace coarse pyrite along fractures.															
183.30	184.90	KOMATIITIC SPINIFEX PERIDOTITE															

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(%) %
		183.30 184.70 Poorly developed platy olivine spinifex texture, very scattered. Gradual lower contact.															
184.90	191.30	KOMATIITIC PERID0TITE ADCUMULATE Dark black, fine to medium grained, massive, homogeneous, patchy very weak magnetism, hard, peridotite flow, adcumulate (similar to peridotite seen throughout hole). No reaction to HCl, weakly serpentine altered. 20% Fracture core and broken core with fracturing at 40, 50-60 and 70 degrees to core axis with serpentine-carbonate filling. 2-3% Quartz-carbonate stringers throughout. No visible sulphides. 189.80 190.30 Pale green, highly carbonate-serpentine altered section (?), specks of serpentine throughout. 190.70 Minor fault with 2 inches of rehealed clay gouge. Sharp lower contact at 40 degrees to core axis.															
191.30	195.30	PERIDOTITE Dark brown, very fine grained, massive, homogeneous, very hard, weakly magnetic, possible peridotite intrusive(?). No reaction to HCl, weak local silicification. Fracturing at 40 with some at 20 degrees to core axis, minor local chlorite fracture filling. A few irregular hairlike calcite stringers. Localized fine pyrite on fractures. 192.00 192.60 Pale green, highly carbonate-serpentine altered section. 193.10 Six inch white quartz-carbonate vein at 50 degrees to core axis. 193.40 Three inch white quartz-carbonate veinlet/stringer at 50 tca. Sharp lower contact at 45 tca.															
195.30	199.00	KOMATIITIC PYROXENITE Greenish to grey, medium grained, weakly magnetic, moderately hard, pyroxenite flow (?) that contains 10-20% fine black olivine blades. No reaction to HCl, patchy weak chlorite alteration. Fracturing at 30 and 50 degrees to core axis with minor chlorite filling. A few calcite stringers at various angles. No visible sulphides. Gradual lower contact.															
199.00	201.70	KOMATIITIC PERIDOTITE GRAPHITIC															

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(%) %
		Dark brown to black, coarse grained, peridotite intrusive? weak to moderate chlorite and biotite altered with increased biotite and plagioclase in the matrix. Gradual lower contact.															
201.70	226.00	KOMATIITIC PERID0TITE ADCUMULATE Dark black, very fine to fine, massive, homogeneous, patchy very weak magnetism, hard, peridotite flow, adcumulate (similar to peridotite seen throughout hole). No reaction to HCl, weakly serpentine altered throughout. Several very minor sections of broken core. Fracturing at 30, 50 and 80 degrees to core axis, fracture filling consists of mostly serpentine with some carbonate filling. 5% Hairlike white-greyish (fibrous) stringers at various angles. 1-2% White quartz-carbonate stringers/veinlets at 45-50 tca. A few scattered specs of dull yellow pyrite associated with fractures and stringers. 216.00 220.00 Fairly blocky broken section of core.															
226.00		END OF HOLE															

DRILL HOLE RECORD

Northing:	5349270.00
Easting:	497615.00
Elevation:	295.00
Collar Azi.:	320.0
Collar Dip:	-48.0
Hole length:	575.00
Units:	Metric
Core size:	NQ
Grid:	Metric 2007
Materials left:	Casing
Collar survey:	Chained, GPS.
DH Survey method:	Reflex
Comments:	
Logged by:	G. Sparling
Date(s) logged:	January 18,2008
Purpose:	
Core storage:	Hastings Facility Timmins

*** Dip Tests ***

Depth	Azi.	Dip
32	314.6	-48.9
83	315.9	-49.0
134	316.1	-49.1
185	316.2	-49.3
236	317.2	-49.2
287	320.7	-49.4
389	319.7	-50.1
491	314.4	-50.2
545	316.6	-49.9

Drill Hole:	GCL08-45
Project:	Langmuir Zone
Property:	Langmuir
Claim:	4203498
Northing:	60 S
Easting:	0 E
GPS Northing:	5349270
GPS Easting:	497615
Date Started:	January 15,2008
Date completed:	January 24,2008
Drilled by:	Norex
Sample type:	Cut Core
Analyses:	
Lab:	
Sample series:	
Lab report:	

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	15.00	OVERBURDEN															
		15m Of nw casing, at 338m 316.6az -30.7deg dip.															
15.00	43.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black-grey, fine grained, massive, moderately hard, non magnetic, fractured, faulted, brecciated, foliated.															
		Weakly carbonate altered with minor serpentine.															
		RQD of 65-70% with several brecciated, fractured and faulted sections of core.															
		Fracturing at 40, 50 and 60 degrees to core axis with dark black serpentine plus/minus calcite and gouge locally.															
		No visible sulphides.															
		1% White-grey calcite-serpentine stringers at various angles.															
		15.00 26.00 40% RQD in mostly broken core with fracturing throughout and localized weakly rehealed brecciated sections and minor gouge/ground up material.															
		33.70 34.00 Broken core, 20% rqd.															
		34.00 34.70 Dark grey section of granodiorite, minor fracturing, no visible sulphides, contacts at 50 tca.															
		34.70 35.00 Definite minor fault zone composed 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(%) %
		weakly rehealed clay gouge sections and broken core, 0% rqd.															
		37.50 41.50 Weak to moderately sheared/foliated section at 50 degrees to core axis, minor fracturing and broken core, 5% plus/minus white-grey calcite-serpentine stringers along foliation, no visible sulphides mineralization.															
		41.50 43.90 Greyish-blue-green, massive, weakly to moderately serpentine altered, minor sections of broken core, slightly sheared/foliated as above.															
		Lower contact at 60 degrees to core axis.															
43.90	241.50	GRANODIORITE															
		Dark grey, massive, homogeneous, hard, non magnetic, porphyritic.															
		Composed of 10% 1-8mm feldspars plus/minus quartz (phenocrysts), 5%-10% plus/minus dark black amphiboles from a few mm to at most 1cm, 1% or so brown/black biotitic lithic fragments (local increase in size and angularity throughout).															
		Alteration consists of minor very localized sections of silicification, serpentine, potassic and biotite.															
		RQD overall is very good 85% with minor broken core.															
		Fracturing for the most particularly is at variable angle from 0-20, 50, and 60 degrees to core axis with dark green serpentine plus/minus calcite.															
		Rare hairlike calcite stringers plus/minus quartz-calcite stringer/veinlets locally (around 1cm).															
		Trace pyrite with rare po.															
		43.90 46.00 Brown biotitic possible intermediate dyke.															
		46.00 20cm black KOMATIITIC PERIDOTITE MESOCUMULATE, 30% rqd.															
		67.00 95.00 Minor red/orange and local beige potassic alteration along fractures/stringers and locally pervasive (beige) altered sections.															
		115.00 126.00 Local increase in size (1-2cm) and angularity of amphibole/lithic fragments (i.e.115.3m).															
		138.80 20cm section of broken core and minor quartz veining, 20% rqd.															
		147.00 198.00 Same as 67-95m.															
		200.00 209.00 Local increase in broken core, 70% RQD, a few minor quart-calcite stringers/veinlets and minor beige															

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(%) %
		potassic alteration up to 10cm.															
		238.40 241.50 Dark black-grey fine grained GRANODIORITE mixed in with kpdm/kosx, minor broken core, 0.5% coarse pyrite, local silicification.															
		Lower contact at 40 tca.															
241.50	263.40	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey-black variable altered KOMATIITIC PERIDOTITE MESOCUMULATE with large cm sized dark black-green platy olivine spinifex throughout, fine grained, hard, non magnetic.															
		Minor local serpentine alteration.															
		Good RQD of 80% with only minor broken core.															
		Minor fracturing at 40-50 degrees to core axis with serpentine filled fractures.															
		Some secondary deformation as low angle (0-20 tca) calcite filled fractures with local 20 degrees to core axis foliation (i.e. 246) displacing spinifex.															
		Roughly 2% white calcite as stringers/fracture filling at various angles but large number at fairly low angles.															
		Trace very coarse yellow-orange-brown pyrite specks associated with stringers.															
		254.40 254.90 Brecciated section, locally stronger, sub rounded to sub angular, 1-3cm.															
		256.20 258.30 Greyish-brown altered section, maybe ankerite, unit does have thin mm thick gouge on contacts.															
		Gradual lower contact.															
263.40	280.80	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black with grey-green altered sections, fine grained, hard, non magnetic, massive, homogeneous, maybe some adcumulate sections.															
		50-60% Of unit is grey-green ankerite-serpentine alerted.															
		Good RQD of 90% with only minor fracturing at 50 degrees to core axis with mostly serpentine plus/minus graphitic fracture filling.															
		2% Grey-white calcite and serpentine stringers at mostly low angle and localized more irregular high angle stringers.															
		Trace pyrite associated with stringers.															
		Lower contact at 20 tca.															
280.80	284.00	GRANODIORITE															
		Same as 43.9-241.5m.															
		Good RQD of 85% with only minor serpentine filled fractures.															
		0.5% White calcite plus/minus quartz stringers,															

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(%) %
		hairlike, 60 tca.															
		No visible sulphides.															
		Lower contact at 50 tca.															
284.00	309.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark black-grey-green, mesocumulate to adcumulate,															
		massive, homogeneous, hard, non magnetic.															
		Weakly serpentine-ankerite altered (grey-green),															
		some what patchy, increased carbonate alteration															
		with depth.															
		Good RQD of 85-90% with very minor sections of															
		broken core and serpentine plus/minus graphite															
		fracture filling at 20, 40 and 50 tca.															
		2-3% White to grey-white calcite-serpentine															
		stringers at 0-20, 50 and 70 degrees to core axis,															
		hairlike-1.5cm thick.															
		299.50 Serpentine-carbonate alteration															
		becomes more pervasive.															
		Lower contact at 40 tca.															
309.90	324.70	GRANODIORITE															
		Same as 43.9-241.5m.															
		Good RQD of 85% with only minor serpentine filled															
		fractures.															
		Patchy orange and beige potassic alteration over 5%															
		or so of unit.															
		Rare pyrite with a few irregular hairlike calcite															
		stringers.															
		Sharp lower contact at 15 tca.															
324.70	337.40	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Grey to green, fine grained, massive, altered,															
		hard, non magnetic.															
		Pervasive ankerite and serpentine altered.															
		RQD of 85-90% with minor sections of broken core.															
		Fracturing at 50-60 degrees to core axis with dark															
		green serpentine +/- calcite fracture filling.															
		0.5% White-grey calcite/serpentine stringers at															
		20-40 tca.															
		1-2% Black hairlike serpentine stringers at 20-30															
		tca.															
		Trace-0.5% dull brown pyrite associated with															
		stringers/fractures.															
		324.70 326.00 Dark black strongly graphitic															
		brecciated section, nil sulphides.															
		Gradual lower contact.															
337.40	342.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Dark grey to black, fine grained mesocumulate,															
		hard, non magnetic.															
		Weakly carbonate altered with minor serpentine.															

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(%) %
		Dark black and altered grey random olivine spinifex. Excellent RQD of 95% with only minor serpentine filled fractures at 50-70 tca. No visible sulphides. 337.40 30.00 Cm brecciated spinifex.															
342.00	361.30	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey black, fine grained, massive, homogenous, hard, non magnetic. Weakly to locally carbonate and serpentine altered. Good RQD of 85-90% with only minor fracturing at 40-50 degrees to core axis filled with serpentine and rare graphite. Trace pyrite smears on fractures. Gradual lower contact.															
361.30	365.10	KOMATIITIC SPINIFEX PERIDOTITE Dark black-green KOMATIITIC SPINIFEX PERIDOTITE mesocumulate, hard, non magnetic, altered, fractured. Faint altered grey and black platy olivine spinifex scattered throughout. Good RQD of 75-80% with a few 2cm sections of broken core. Fracturing at 40-50 degrees to core axis with serpentine filled fractures. 1-2% Fractured up serpentine and calcite stringers. 1-2% Brassy brown pyrrhotite with trace chalcopyrite and orange-brown oxidation associated with fractures/stringers. Gradual lower contact.															
365.10	381.10	KOMATIITIC PERIDOTITE MESOCUMULATE Dark grey, fine grained, massive, locally fractured, hard, non magnetic, locally oxidized (fractures). Weakly serpentine-carbonate altered. Good RQD of 90% with minor fracturing filled with serpentine +/- calcite and graphite. 2% White to grey-white calcite +/- serpentine stringers from 40 to 60 tca. 1-3% Brassy brown pyrrhotite +/- chalcopyrite as 1-2cm irregular shaped blotches associated with stringers and as a few clustered around 1cm 70 degrees to core axis pyrrhotite stringers with trace chalcopyrite. 378.20 379.70 Highly graphitic massive section with silvery-black graphitic fracture filling in minor broken core, non conductive. 380.10 380.60 Dark black slightly brecciated,															

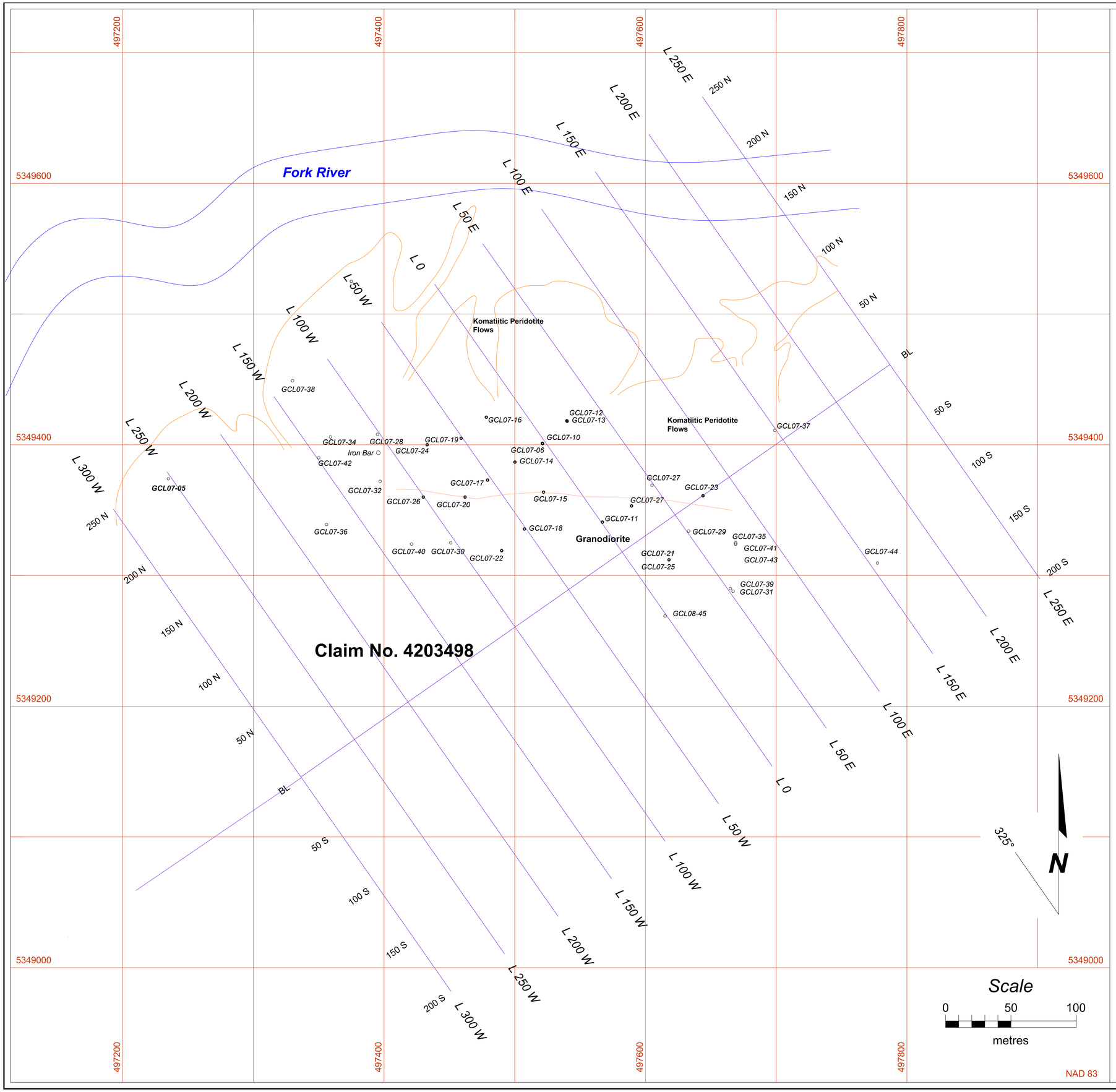
From (m)	To (m)	Geology	Sample	From (m)	To (m)	L (m)	Au ppb	Pt ppb	Pd ppb	Ag ppm	Cu ppm	Ni ppm	Zn ppm	Pb ppm	Co ppm	Cu(%) %	Ni(%) %
		pervasively graphite altered, non conductive.															
		Gradual lower contact.															
381.10	383.00	KOMATIITIC SPINIFEX PERIDOTITE															
		Grey to pistachio green serpentine altered matrix, fine grained, hard, non magnetic, mesocumulate. Dark green thin blades of random olivine spinifex grading to more green-grey platy altered spinifex around 382.5m. Good RQD of 90% with minor serpentine filled fractures. No visible sulphides. Gradual lower contact.															
383.00	410.20	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to grey-green, fine grained, massive, hard, non magnetic, minor local adcumulate sections. Pervasive somewhat patchy pistachio green serpentine alteration. Excellent RQD of 95% with only minor serpentine filled fractures at 50-70 tca. 3-4% White, grey-white and pistachio green calcite, calcite-serpentine and serpentine stringers at 30, 40 and 50 tca. Rare coarse specks of po. Lower contact at 60 tca.															
410.20	412.70	GRAPHITIC ARGILLITE															
		Dark black, very fine grained, massive, moderately hard, non magnetic, highly conductive. Pervasively graphite altered with a weak calcite alteration. Good RQD of 90% with silvery-black graphitic filled fractures. Trace to 1-2% pyrite +/- pyrrhotite as tiny patches and associated with stringers/fractures. Gradual lower contact.															
412.70	431.90	KOMATIITIC PERIDOTITE MESOCUMULATE															
		Dark grey to green, massive, homogeneous, moderately hard to hard, non magnetic. Pervasively serpentine and carbonate altered. Good RQD of 90-95% with pistachio green serpentine fracture filling. Minor fracturing at 40, 50 and 60 tca. Trace po-py specks associated with stringers and fractures. 1-3% White to grey-white-green calcite and serpentine calcite stringers at 70 tca. 412.70 418.30 Locally graphitic 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(%) %
		with a few GRAPHITIC ARGILLITE sections and associated broken core.															
		Gradual lower contact.															
431.90	575.00	KOMATIITIC PERID0TITE ADCUMULATE															
		Similar to previous unit but more adcumulate with sections of mesocumulate.															
		Dark grey-black, fine-grained, massive, hard, non magnetic, altered.															
		Pervasive pistachio green serpentine alteration locally with less altered serpentine-carbonate altered sections.															
		Good RQD around 80-85% with several minor 30-50 degrees to core axis serpentine filled fractures.															
		1-3% White to grey-white calcite-serpentine stringers at 0-20, 50 and 70 degrees to core axis, hairlike-1.5cm thick.															
		Trace disseminated po.															
		456.80 463.30 Grey-green, altered, mesocumulate to orthocumulate, massive.															
		463.30 466.30 Broken core, 60% rqd.															
		463.30 Unit becomes less altered and has decreased mineralization with increased broken core.															
		477.50 478.10 Broken core, 40% rqd.															
		492.50 Trace to at best 0.5% pyrrhotite disseminations, more visible on fractures.															
		508.00 520.00 Same as around 492.5m.															
		527.30 Scattered grey carbonate alteration begins in somewhat mesocumulate looking sections.															
		559.50 566.00 Grey, moderately altered, mesocumulate, a few tiny serpentine filled amygdules with scattered blotches.															
		566.00 575.00 Dark black, adcumulate, serpentine blotches and amygdules throughout, nil-trace po.															
575.00		END OF HOLE															

GOLDEN CHALICE RESOURCES

Langmuir Nickel Discovery

2007 Drill Hole Location Map

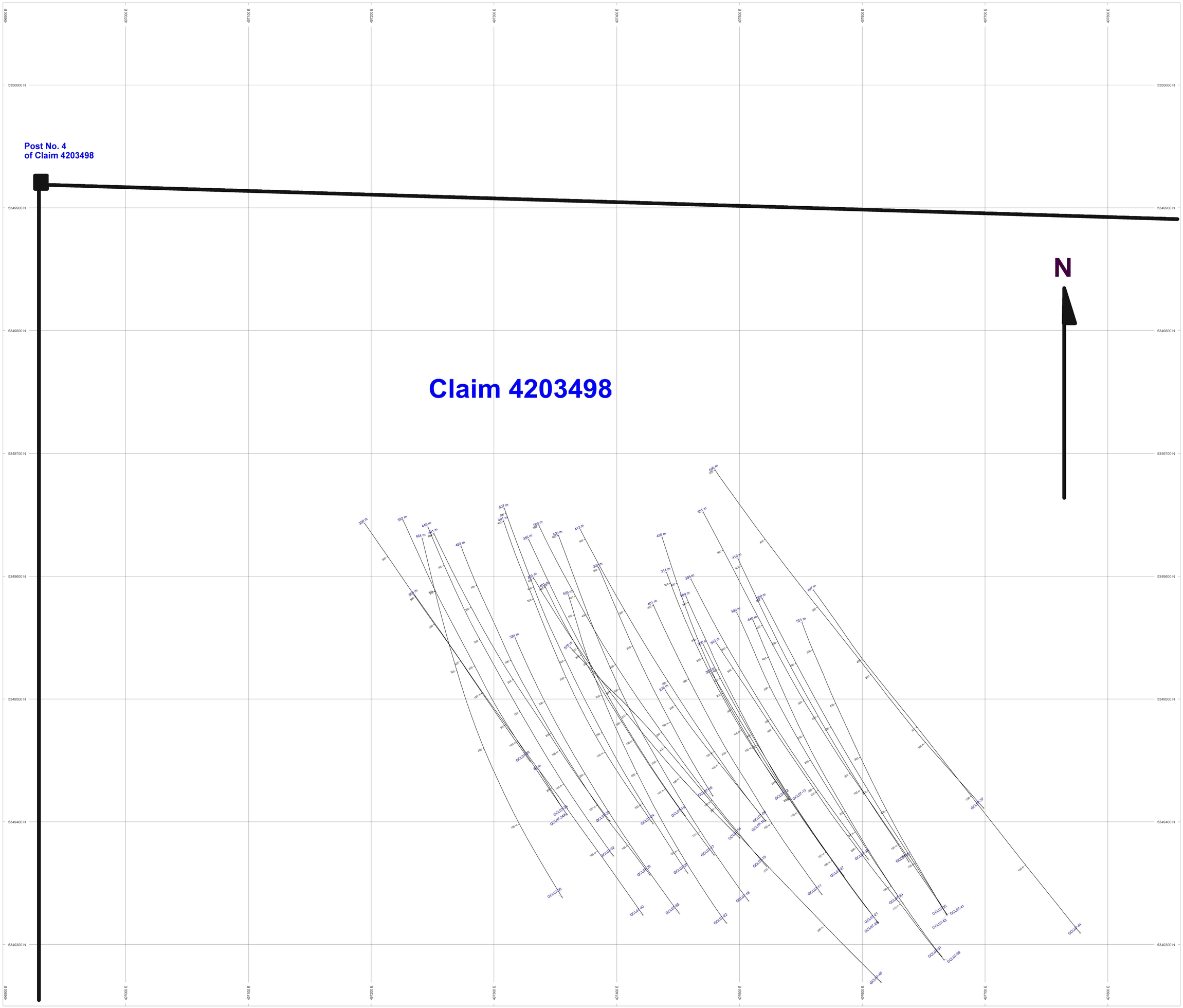


GCL07-17 Golden Chalice Drill Hole

Bluff Contour

MAP 2 Drill Hole Collar Locations

Jan 25, 2008



HOLES PLOTTED

TOTAL 37

GCL07-06	GCL07-10	GCL07-11	GCL07-12
GCL07-13	GCL07-14	GCL07-15	GCL07-16
GCL07-17	GCL07-18	GCL07-19	GCL07-20
GCL07-21	GCL07-22	GCL07-23	GCL07-24
GCL07-25	GCL07-26	GCL07-27	GCL07-28
GCL07-29	GCL07-30	GCL07-31	GCL07-32
GCL07-33	GCL07-34	GCL07-34A	GCL07-35
GCL07-36	GCL07-37	GCL07-38	GCL07-39
GCL07-40	GCL07-41	GCL07-43	GCL07-44
GCL07-45			

GOLDEN CHALICE
RESOURCES INC

MAP 1 Drill Hole Traces

PLAN SPECS:

REF PT.	E. N	
	496900 m	5349000 m
EXTENTS	959 m	817.1 m

SCALE 1 : 1000

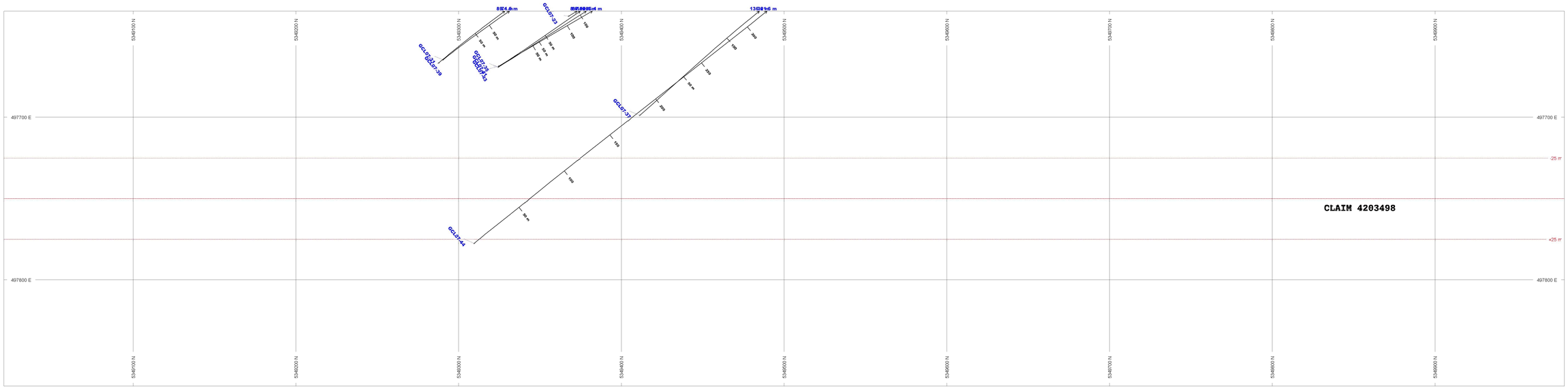
(m)

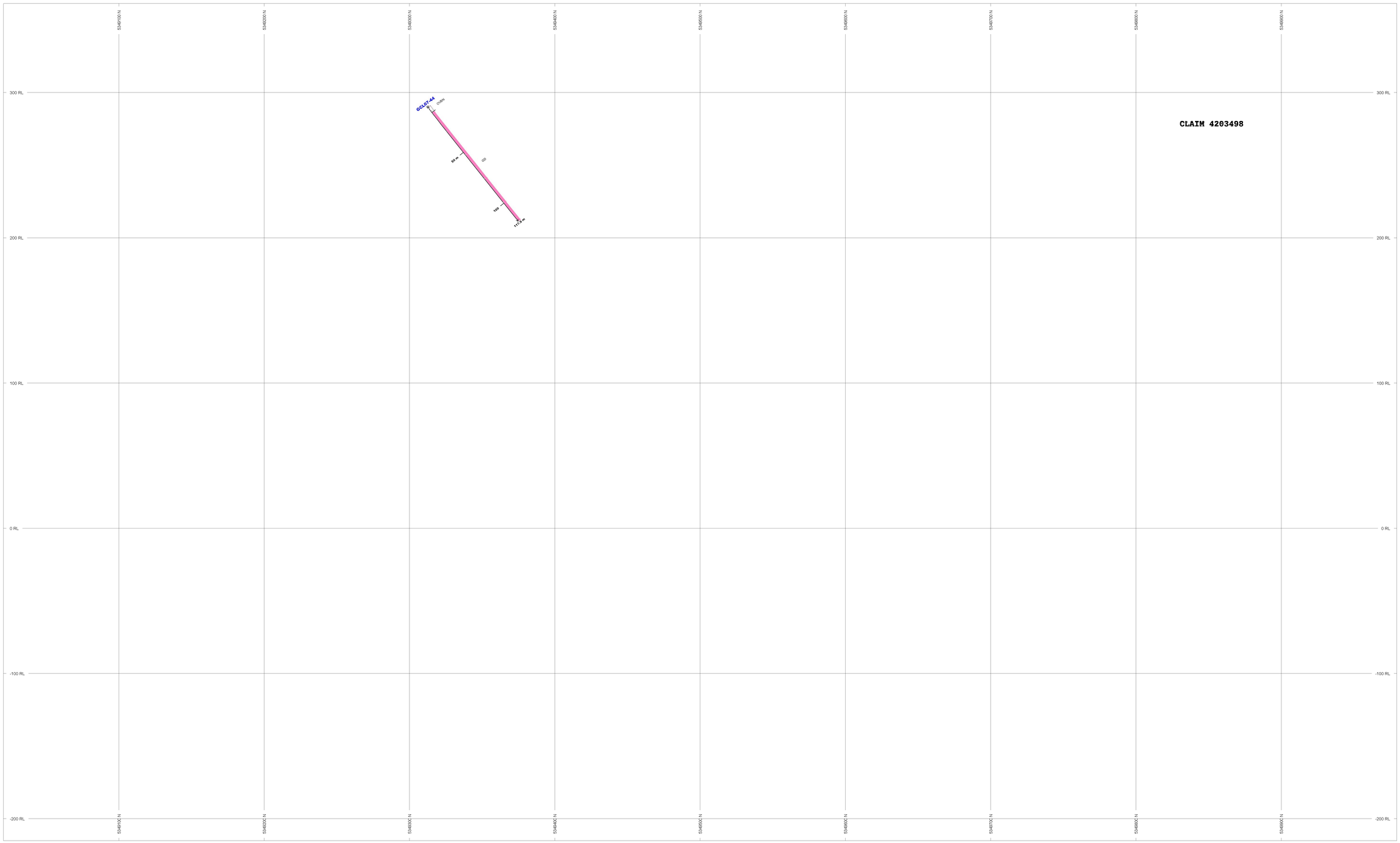
-10 0 10 20 30 40

*unknown

N W E S

Golden Chalice Resources
Langmuir Property
2007 Drilling on Claim 4203498





GOLDEN CHALICE RESOURCES INC

SECTION LOOKING WEST

ROCK CODES Code	PAT	LABEL	PAT	LABEL
		BAP		KPDO
		BAS		KPDS
		DB		KPDZ
		FD		KPSX
		FI		KPX
		FP		KPXA
		FZ		MO
		GB		MI
		GD		MSZ
		GZ		NTSZ
		ID		OVBN
		KBA		PD
		KOSX		PX
		KPD		QFP
		KPDA		S
		KPDB		SG
		KPDP		SGA
		KPDM		SMSZ

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

SECTION SPECS:

REF. PT. E, N	497750 m	5349500 m
EXTENTS	959 m	576.5 m
SECTION TOP, BOT	361.3 m	-215.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

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*unknown

AZIMUTH = 0°

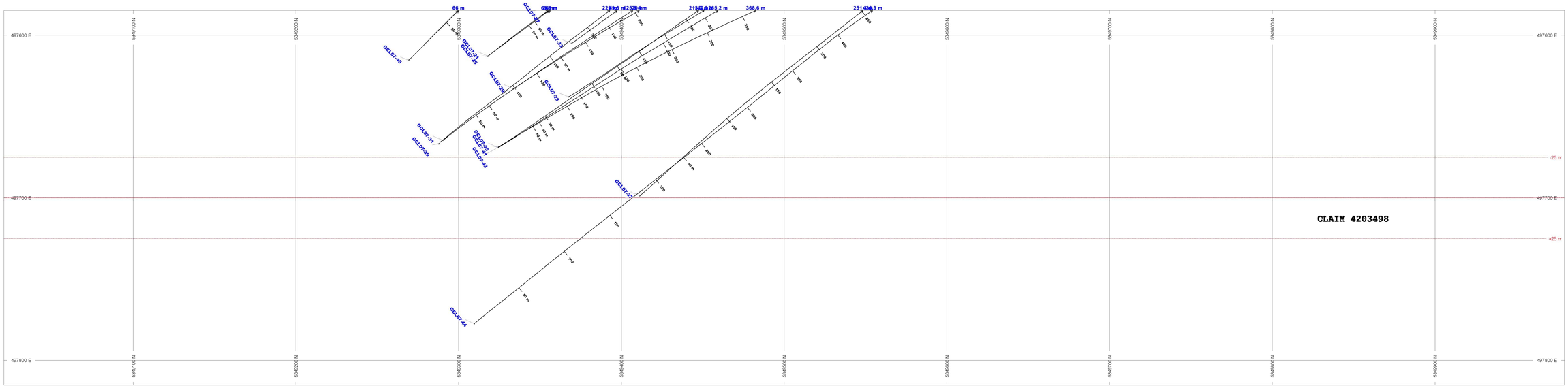
N W E S

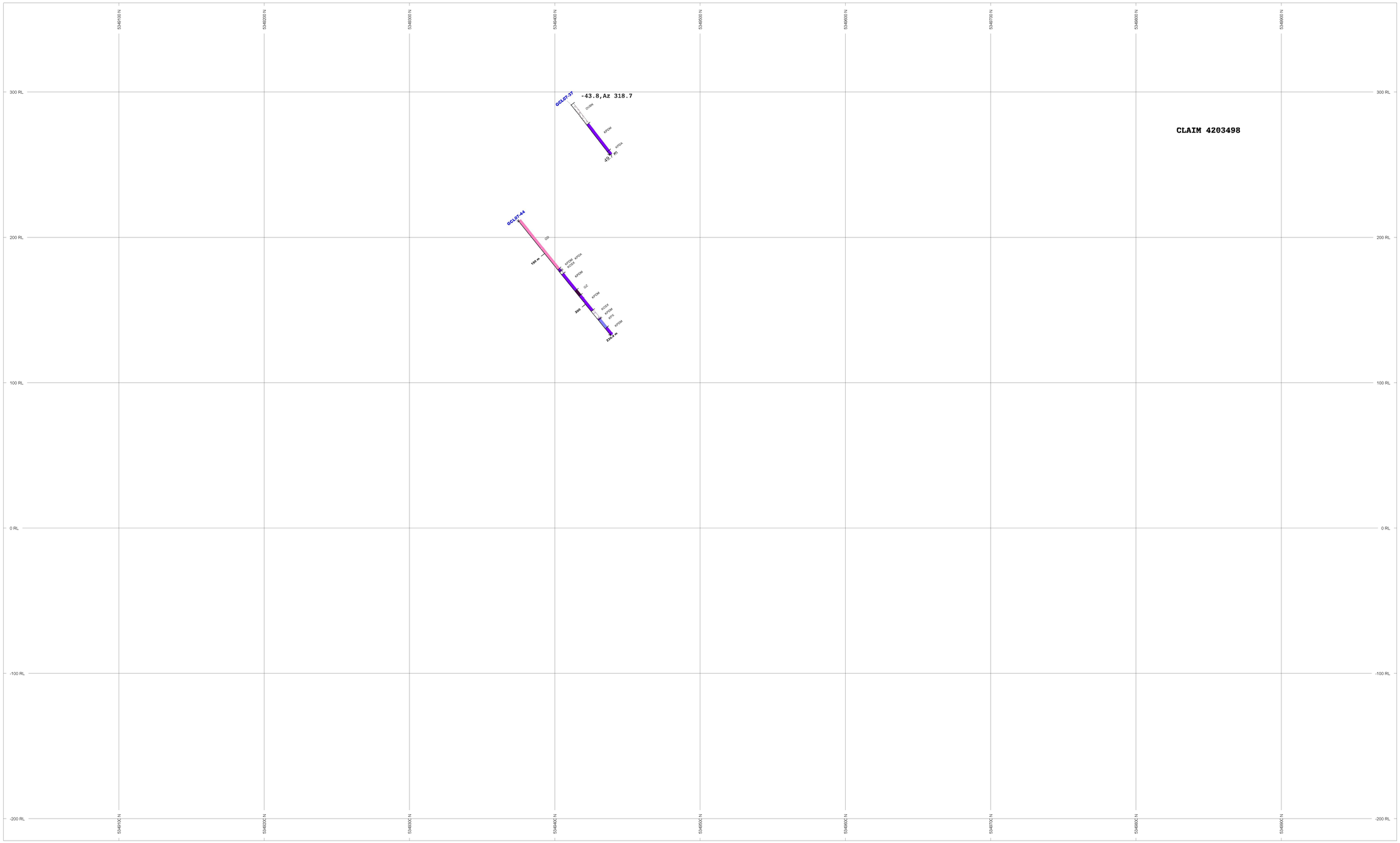
Golden Chalice Resources

Langmuir

2007 Drilling on Claim 4203498

Section **497750E**





GOLDEN CHALICE RESOURCES INC

SECTION LOOKING WEST

ROCK CODES Code	PAT	LABEL	PAT	LABEL
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		BAS		KPDS
		DB		KPDZ
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		GB		MI
		GD		MSZ
		GZ		NTSZ
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		KBA		PO
		KOSX		PX
		KPD		QFP
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		KPDB		SG
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		KPDM		SMSZ

POSTED TEXT Code	L/R	TEXT	ITEMS
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SECTION SPECS:

REF. PT. E, N	497700 m	5346500 m
EXTENTS	959 m	576.5 m
SECTION TOP, BOT	361.3 m	-215.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

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*unknown

AZIMUTH = 0°

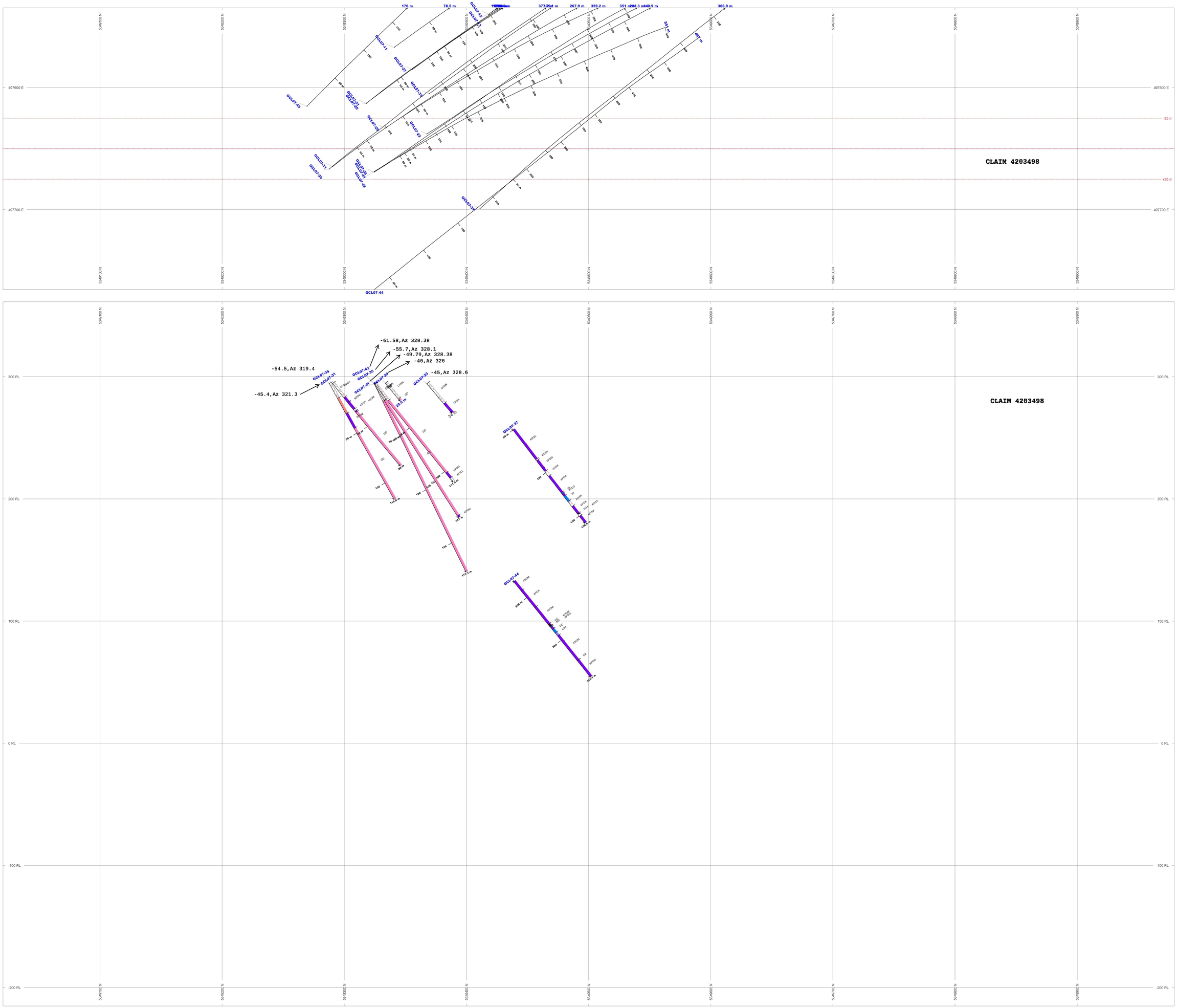
N W E S

Golden Chalice Resources

Langmuir

2007 Drilling on Claim 4203498

Section **497700E**



GOLDEN CHALICE RESOURCES INC

SECTION LOOKING WEST

ROCK CODES Code	PAT	LABEL	PAT	LABEL
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		GB		MI
		GD		MSZ
		GZ		NTSZ
		ID		OVBN
		KBA		PO
		KOSX		PX
		KPD		QFP
		KPDA		S
		KPDB		SG
		KPDP		SGA
		KPDM		SMSZ

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

SECTION SPECS:

REF. PT. E, N	497650 m	5349500 m
EXTENTS	959 m	576.5 m
SECTION TOP, BOT	361.3 m	-215.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

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*unknown

AZIMUTH = 0°

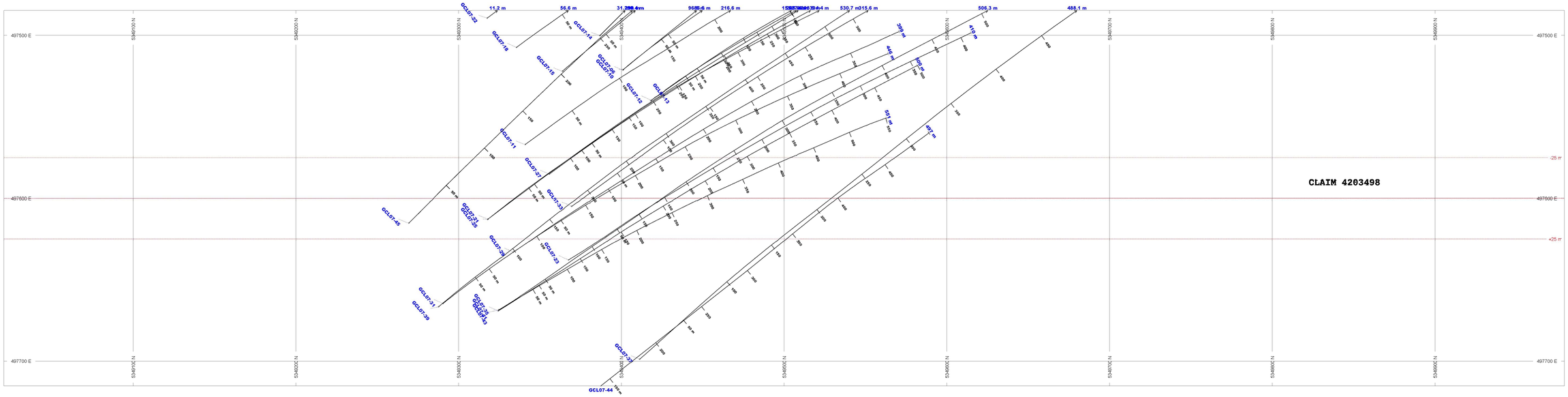
N E S W

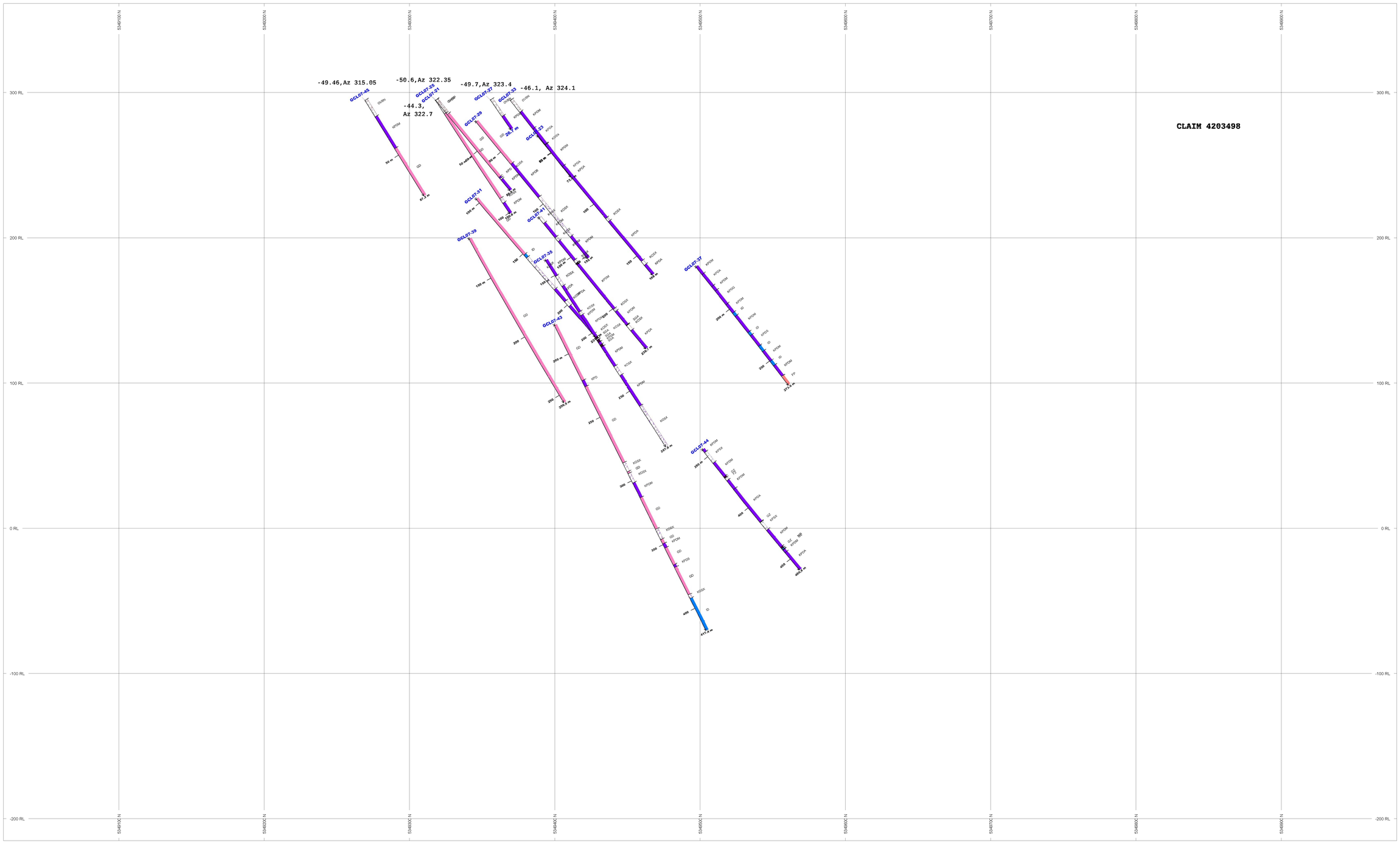
Golden Chalice Resources

Langmuir

2007 Drilling on Claim 4203498

Section **497650E**





GOLDEN CHALICE
RESOURCES INC

SECTION LOOKING WEST

ROCK CODES Code	PAT	LABEL	PAT	LABEL
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		DB		KPDZ
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		GB		MI
		GD		MSZ
		GZ		NTSZ
		ID		OVBN
		KBA		PD
		KOSX		PX
		KPD		QFP
		KPDA		S
		KPDB		SG
		KPDP		SGA
		KPDM		SMSZ

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

SECTION SPECS:

REF. PT. E, N	497600 m	5349500 m
EXTENTS	959 m	576.5 m
SECTION TOP, BOT	361.3 m	-215.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

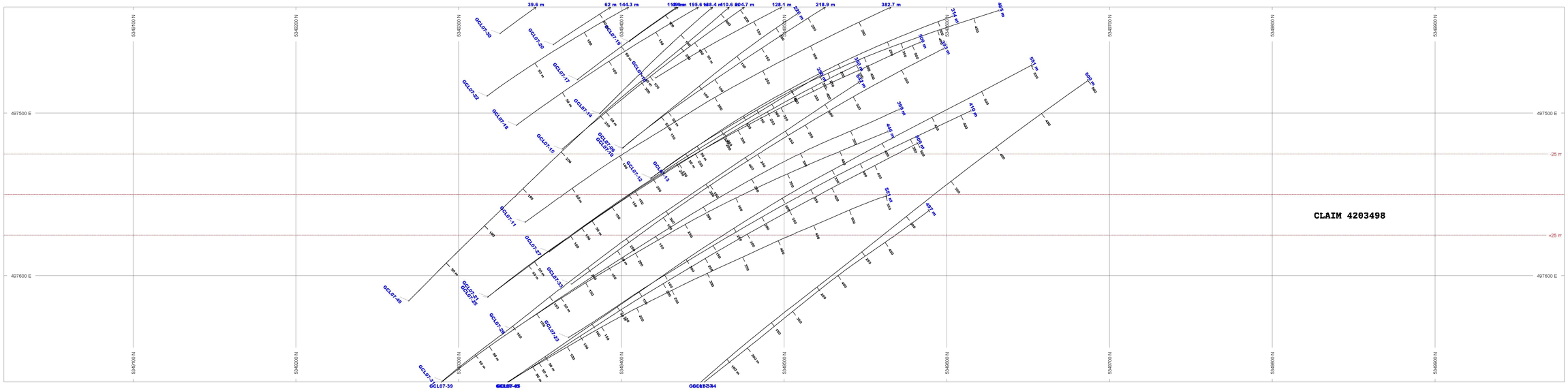
N W E S

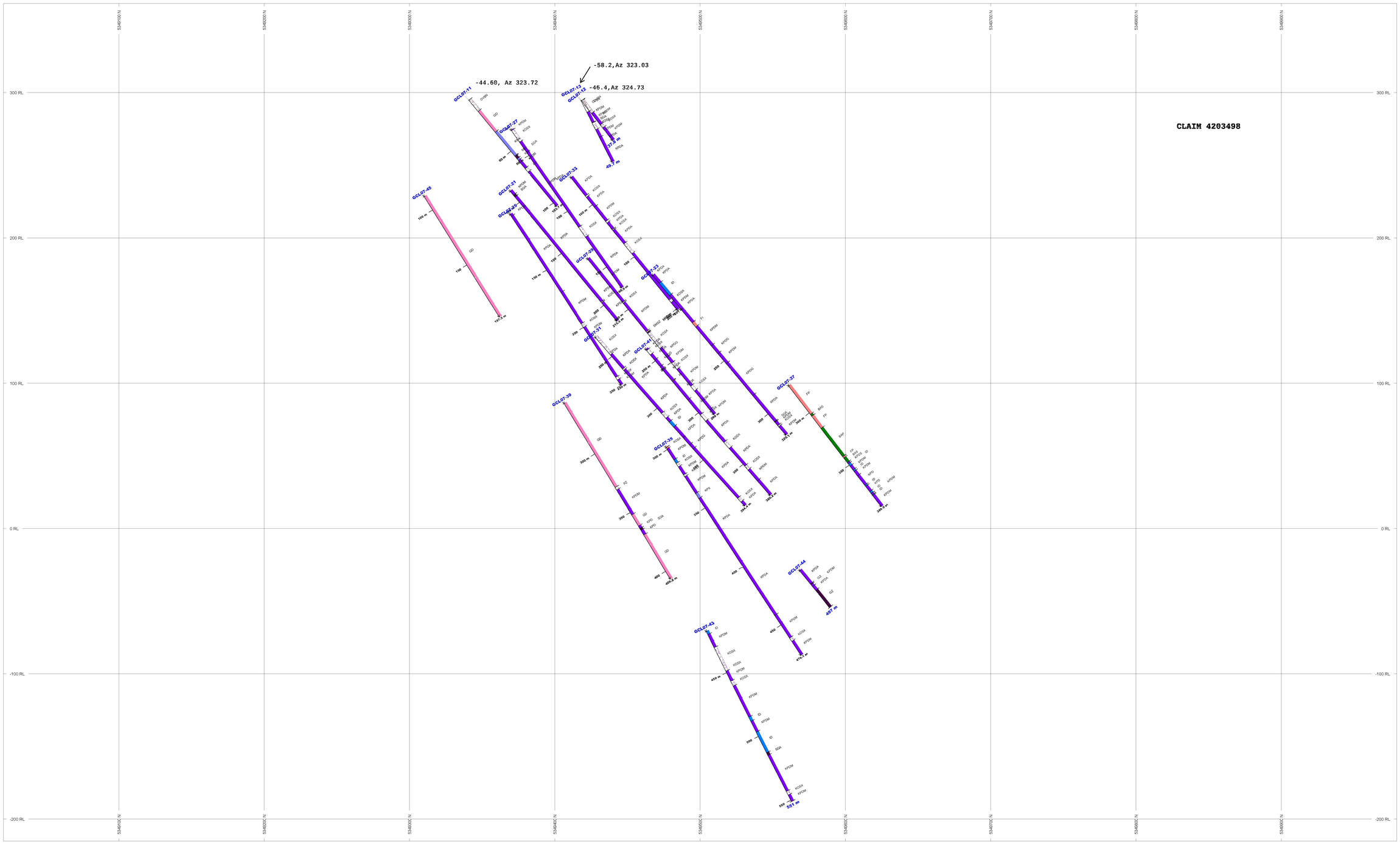
Golden Chalice Resources

Langmuir

2007 Drilling on Claim 4203498

Section **497600E**





GOLDEN CHALICE
RESOURCES INC

SECTION LOOKING WEST

ROCK CODES Code	PAT	LABEL	PAT	LABEL
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		DB		KPDZ
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		FI		KPX
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		FZ		MD
		GB		MI
		GD		MSZ
		GZ		NTSZ
		ID		OVBN
		KBA		PD
		KOBX		PX
		KPD		QFP
		KPDA		S
		KPDB		SG
		KPDP		SGA
		KPDM		SMSZ

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

SECTION SPECS:

REF. PT. E, N	497550 m	5349500 m
EXTENTS	959 m	576.5 m
SECTION TOP, BOT	361.3 m	-215.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

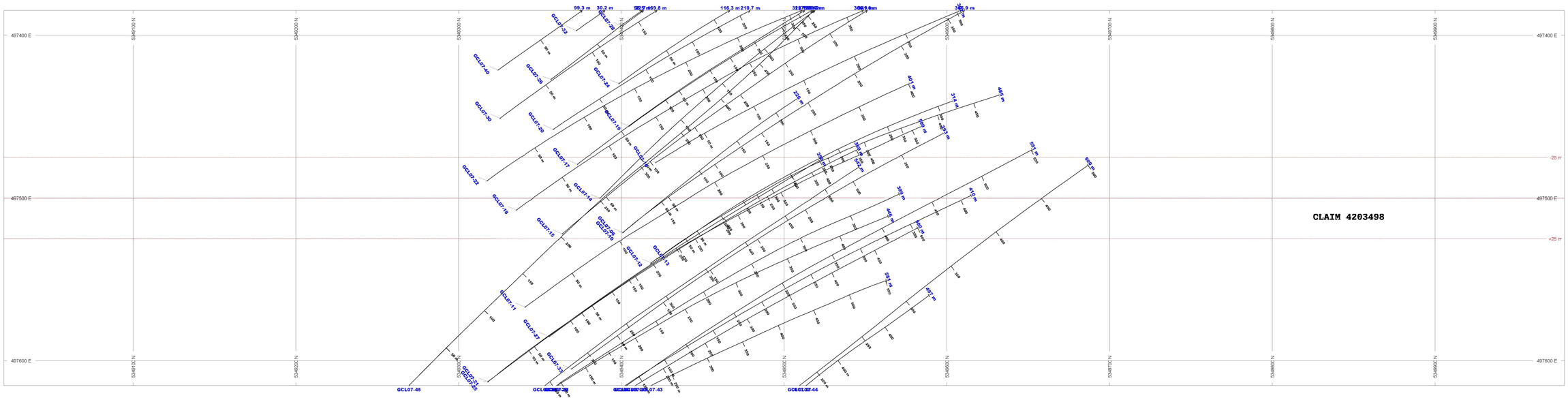
N W E S

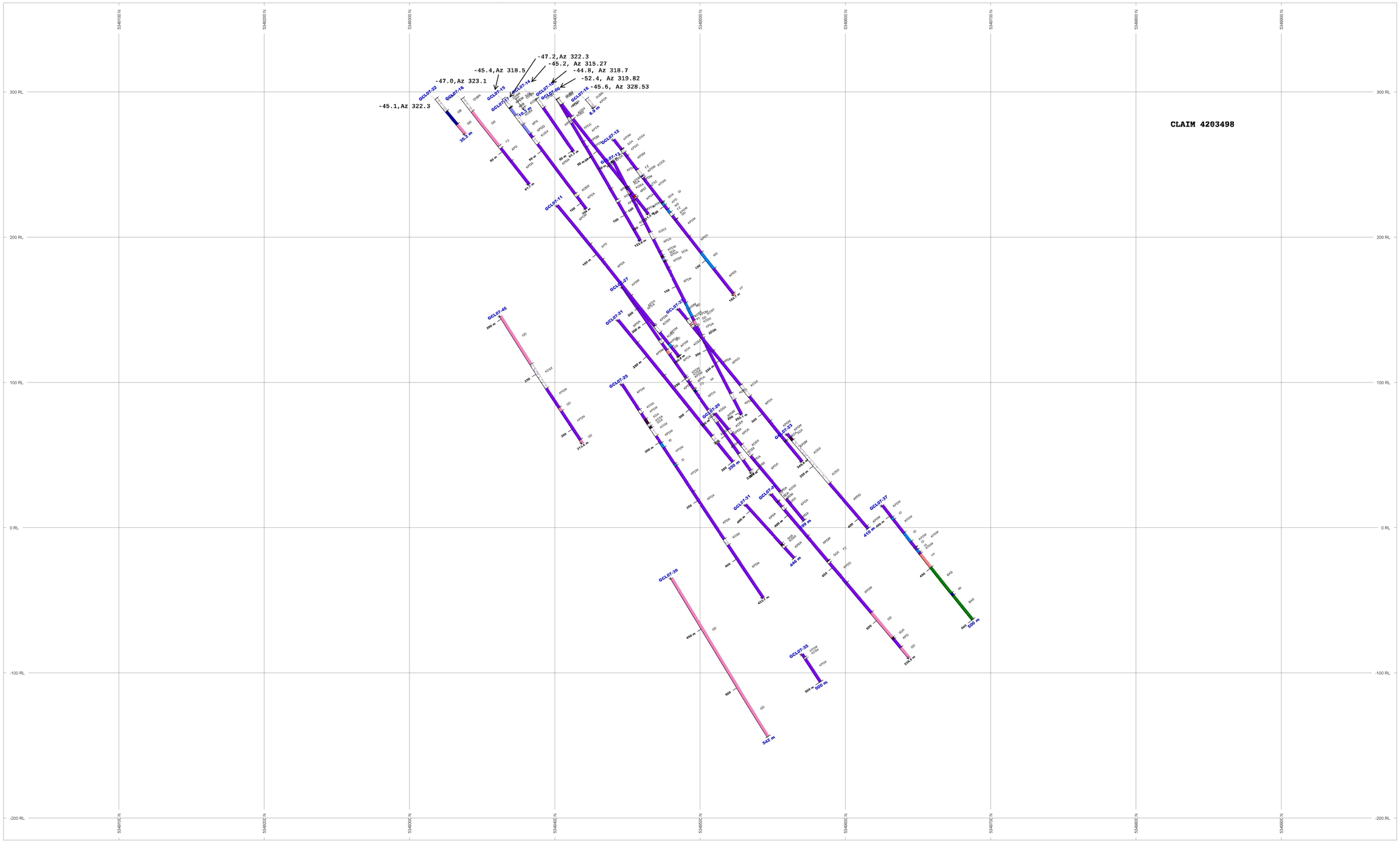
Golden Chalice Resources

Langmuir

2007 Drilling on Claim 4203498

Section **497550E**





GOLDEN CHALICE RESOURCES INC

SECTION LOOKING WEST

ROCK CODES Code	PAT	LABEL	PAT	LABEL
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		DB		KPDZ
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		FI		KPX
		FP		KPXA
		FZ		MO
		GB		MI
		GD		MSZ
		GZ		NTSZ
		ID		OVBN
		KBA		PO
		KOSX		PX
		KPD		QFP
		KPDA		S
		KPDB		SG
		KPDP		SGA
		KPDM		SMSZ

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

SECTION SPECS:

REF. PT. E, N	497500 m	5346500 m
EXTENTS	959 m	576.5 m
SECTION TOP, BOT	361.3 m	-215.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

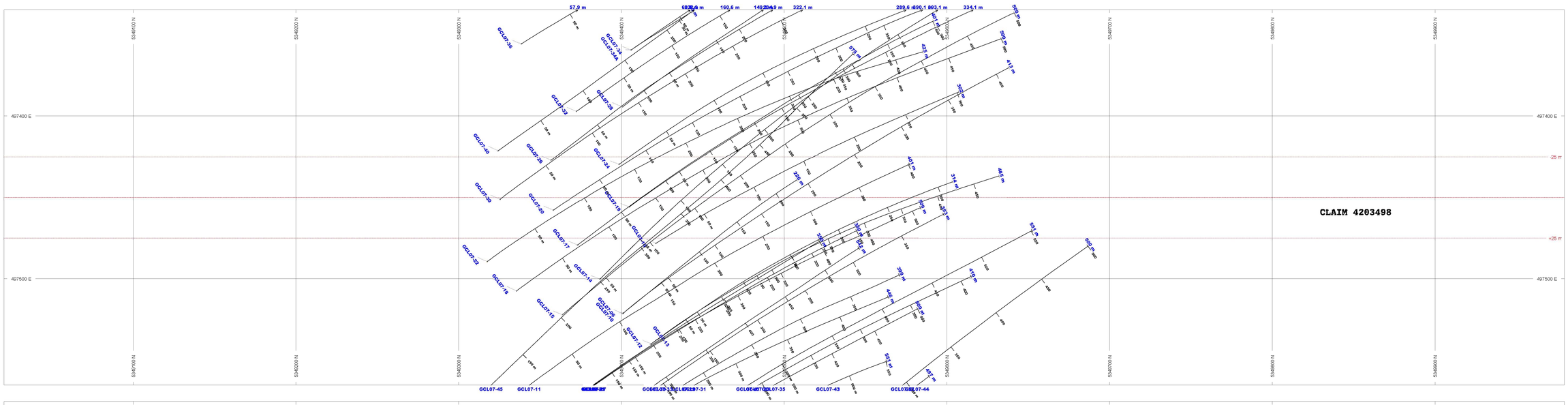
N W E S

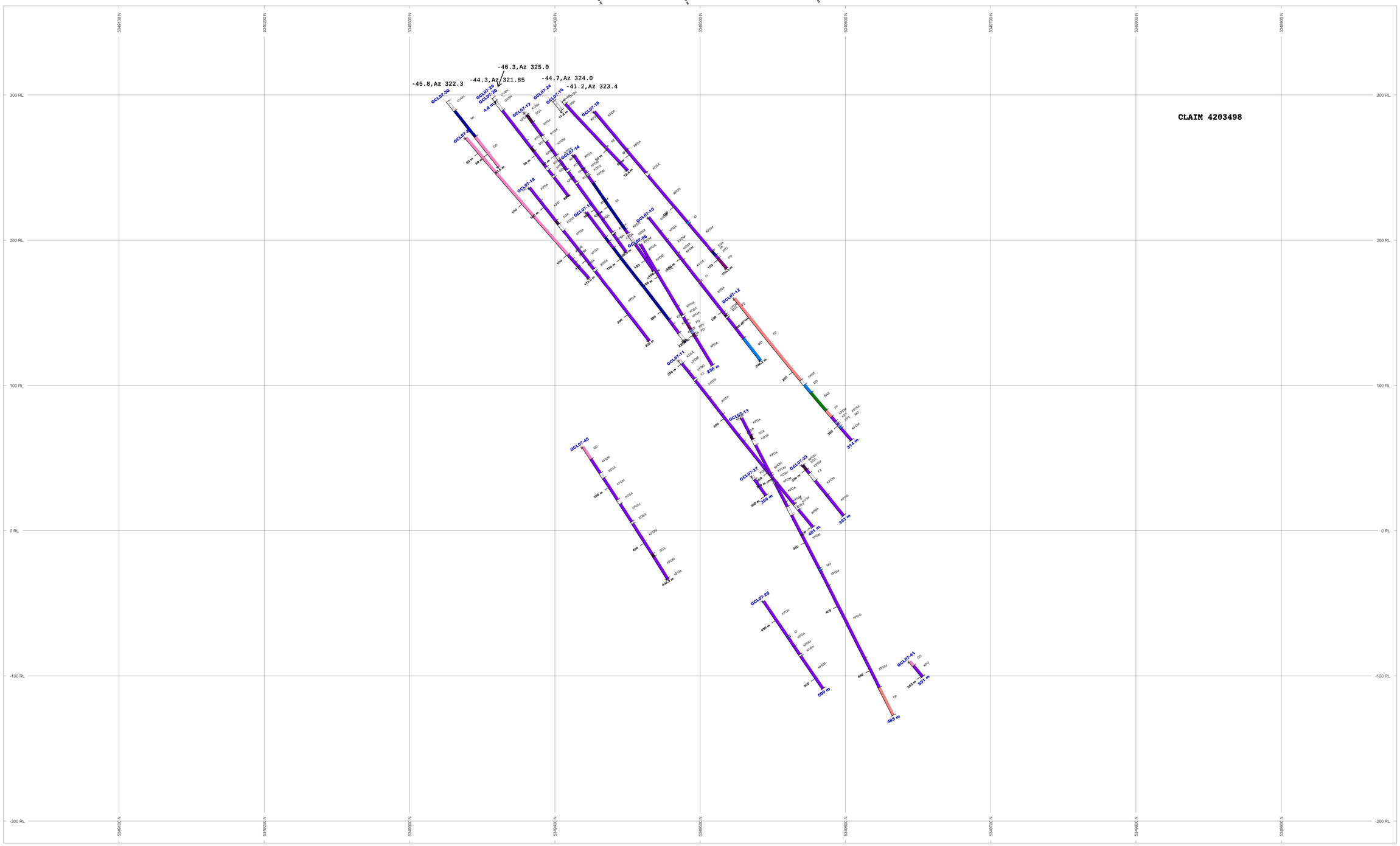
Golden Chalice Resources

Langmuir

2007 Drilling on Claim 4203498

Section **497500E**





GOLDEN CHALICE RESOURCES INC

SECTION LOOKING WEST

ROCK CODES Code	PAT	LABEL	PAT	LABEL
		BAS		KPDB
		DB		KPDZ
		FD		KPSX
		FI		KPX
		FP		KPXA
		FZ		MD
		GB		MI
		GD		MSZ
		GZ		NTSZ
		ID		OVBN
		KBA		PD
		KOSX		PX
		KPD		QFP
		KPDA		S
		KPDB		SG
		KPDP		SGA
		KPDM		SMSZ
		KPDO		

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

SECTION SPECS:

REF. PT. E, N	497450 m	5349500 m
EXTENTS	959 m	576.5 m
SECTION TOP, BOT	361.3 m	-215.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

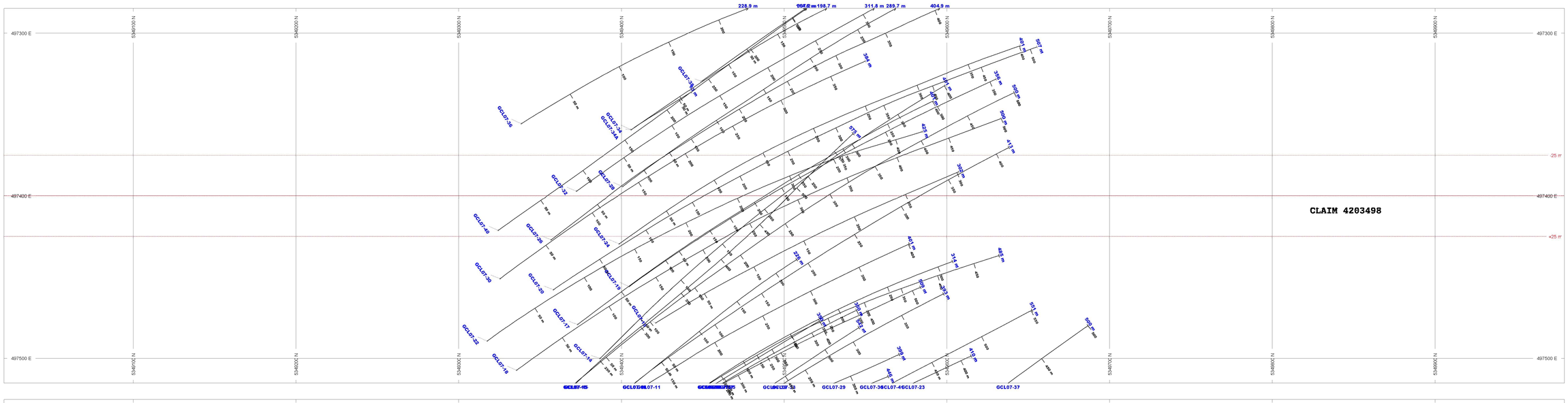
N W E S

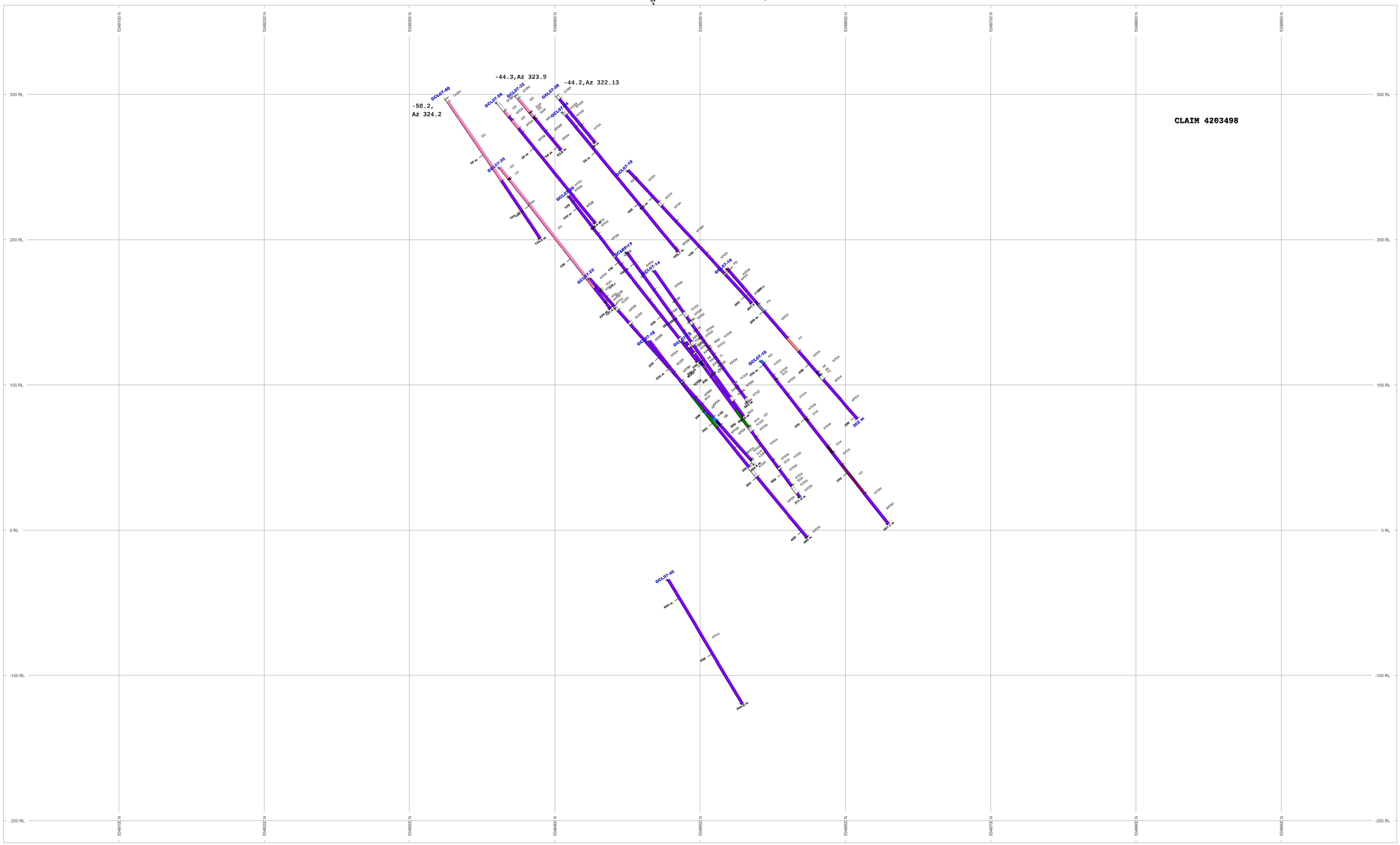
Golden Chalice Resources

Langmuir

2007 Drilling on Claim 4203498

Section **497450E**





GOLDEN CHALICE
RESOURCES INC

SECTION LOOKING WEST

ROCK CODES Code	PAT	LABEL	PAT	LABEL
		BAS		KPDO
		DB		KPDS
		FI		KPX
		FP		MD
		FZ		MI
		GB		MSZ
		GD		NTSZ
		GZ		OVBN
		ID		PD
		KOSX		PX
		KPD		QFP
		KPDA		SG
		KPDB		SGA
		KPDP		SMSZ
		KPDM		

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

SECTION SPECS:

REF. PT. E, N	497400 m	5349500 m
EXTENTS	959 m	576.5 m
SECTION TOP, BOT	361.3 m	-215.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

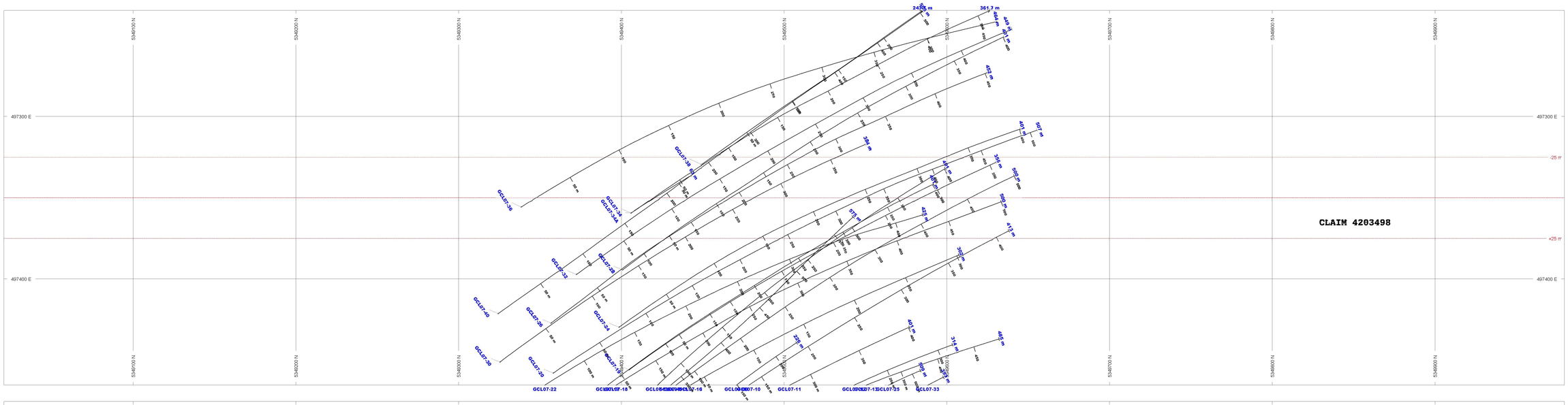
N W E S

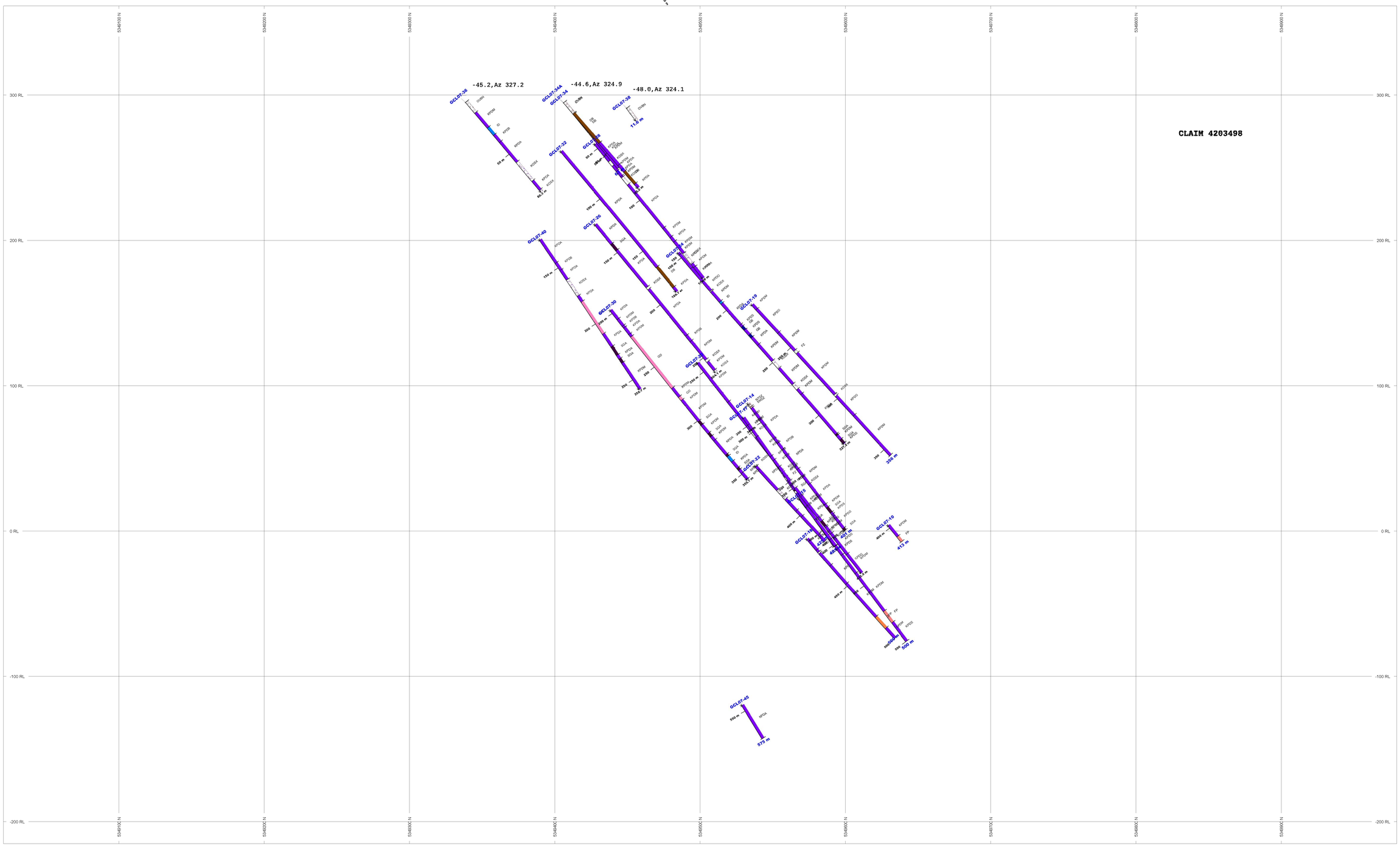
Golden Chalice Resources

Langmuir

2007 Drilling on Claim 4203498

Section **497400E**





GOLDEN CHALICE RESOURCES INC

SECTION LOOKING WEST

ROCK CODES Code	PAT	LABEL	PAT	LABEL
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		DB		KPDO
		FI		KPDS
		FP		KPX
		FZ		MD
		GB		MI
		GD		MSZ
		GZ		NTSZ
		ID		OVBN
		KOSX		PD
		KPD		QFP
		KPDA		SG
		KPDB		SGA
		KPDP		SMSZ

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

SECTION SPECS:

REF. PT. E, N	497350 m	5349500 m
EXTENTS	959 m	576.5 m
SECTION TOP, BOT	361.3 m	-215.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

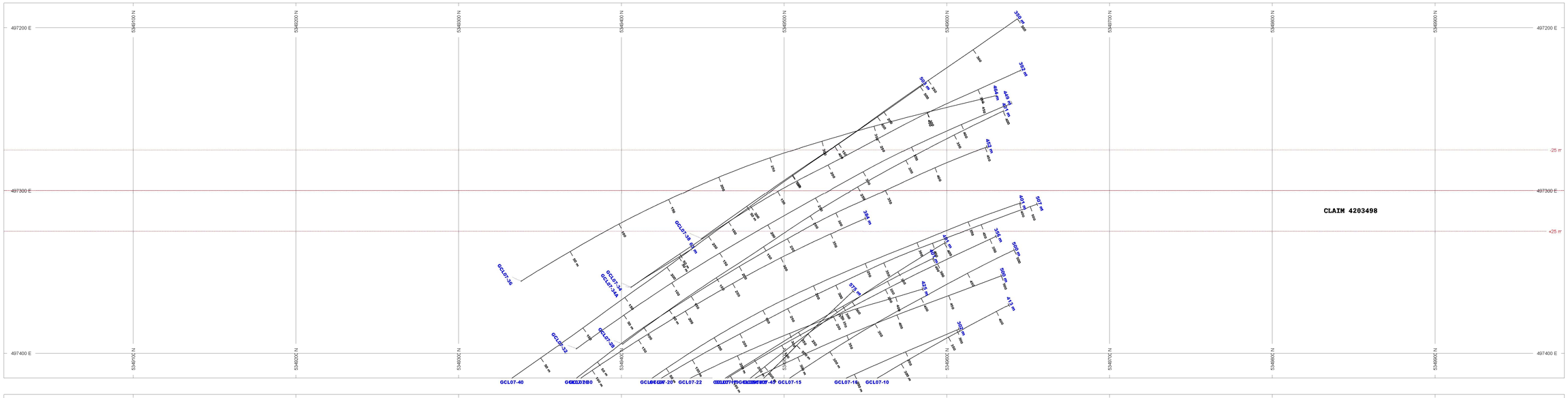
N W E S

Golden Chalice Resources

Langmuir

2007 Drilling on Claim 4203498

Section **497350E**



GOLDEN CHALICE RESOURCES INC

SECTION LOOKING WEST

ROCK CODES Code	PAT.	LABEL	PAT.	LABEL
		DB		KPDB
		FI		KPDP
		FP		KPDM
		FZ		KPDO
		GB		KPDS
		GD		MI
		GZ		OVBN
		ID		PO
		KOSX		SG
		KPD		SGA
		KPDA		

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

SECTION SPECS:

REF. PT. E, N	497300 m	5349500 m
EXTENTS	959 m	576.5 m
SECTION TOP, BOT	361.3 m	-215.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

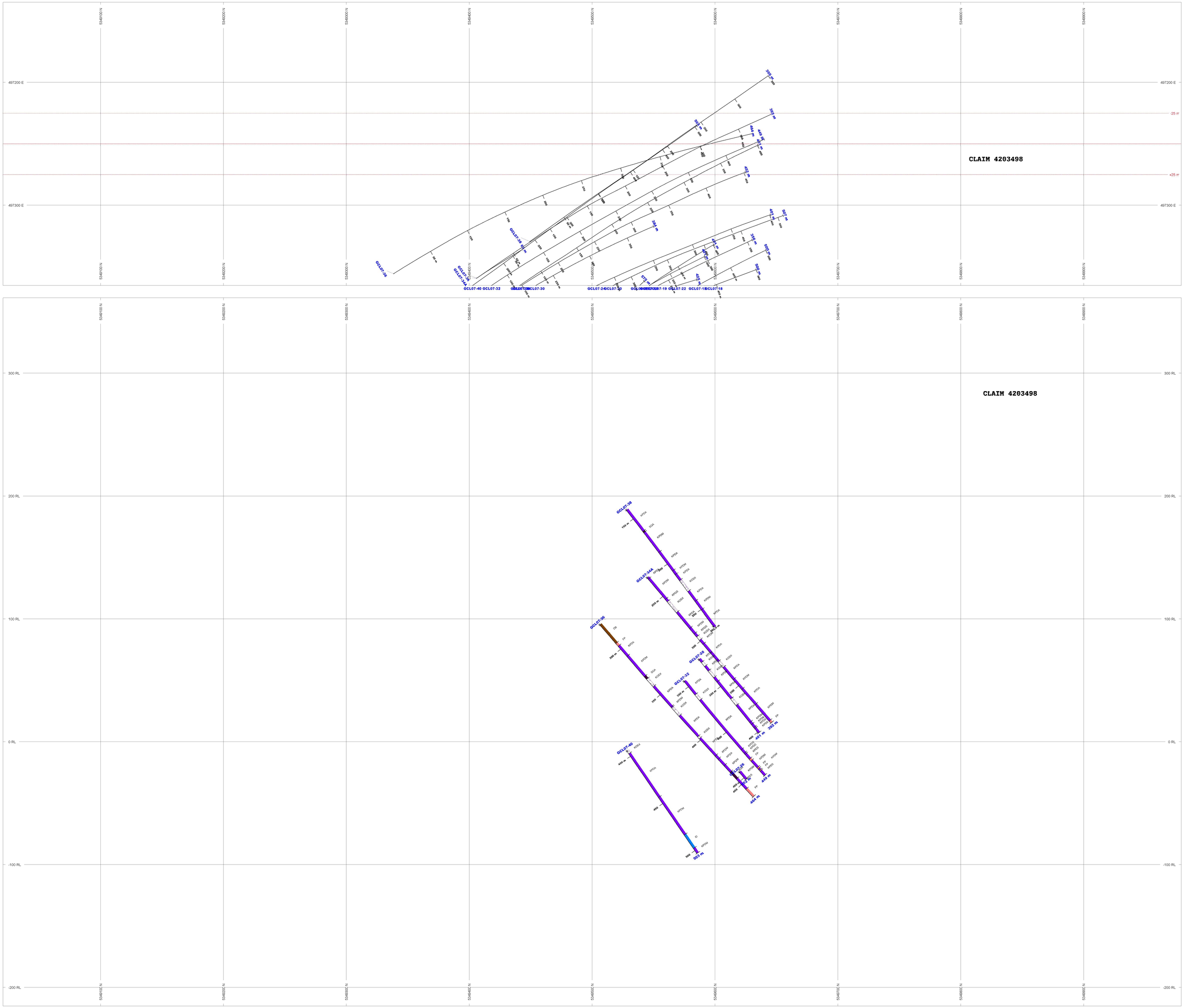
N W E S

Golden Chalice Resources

Langmuir

2007 Drilling on Claim 4203498

Section **497300E**



GOLDEN CHALICE RESOURCES INC

SECTION LOOKING WEST

ROCK CODES Code	PAT.	LABEL	PAT.	LABEL
		DB		KPDB
		FI		KPDP
		FP		KPDM
		GD		KPDO
		GZ		KPDS
		ID		CVBN
		KOSX		PD
		KPD		SG
		KPDA		SGA

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

SECTION SPECS:

REF. PT. E, N	497250 m	5349500 m
EXTENTS	959 m	576.5 m
SECTION TOP, BOT	361.3 m	-215.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

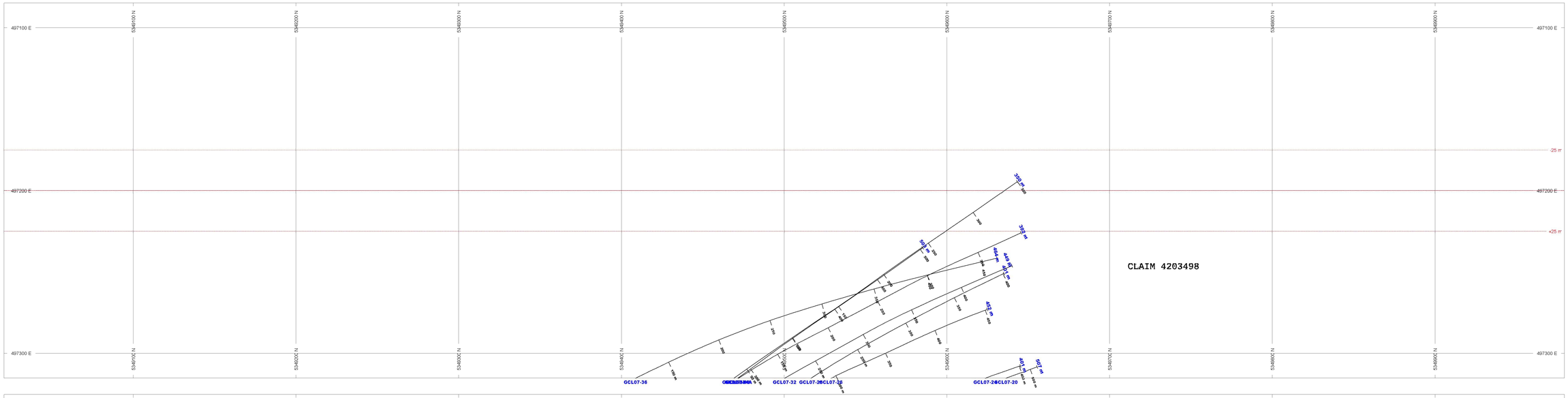
N W E S

Golden Chalice Resources

Langmuir

2007 Drilling on Claim 4203498

Section **497250E**



GOLDEN CHALICE RESOURCES INC

SECTION LOOKING WEST

ROCK CODES Code	PAT	LABEL	DESCRIPTION
		DB	diabase
		KOSX	komatiitic spinifex peridotite
		KPDA	komatiitic peridotite adcumulate
		KPDM	komatiitic peridotite mesocumulate
		KPDS	komatiitic peridotite sheared
		OVBN	overburden
		SG	greywacke
		SGA	graphitic argillite

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

SECTION SPECS:

REF. PT. E, N	497200 m	5349500 m
EXTENTS	959 m	576.5 m
SECTION TOP, BOT	361.3 m	-215.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

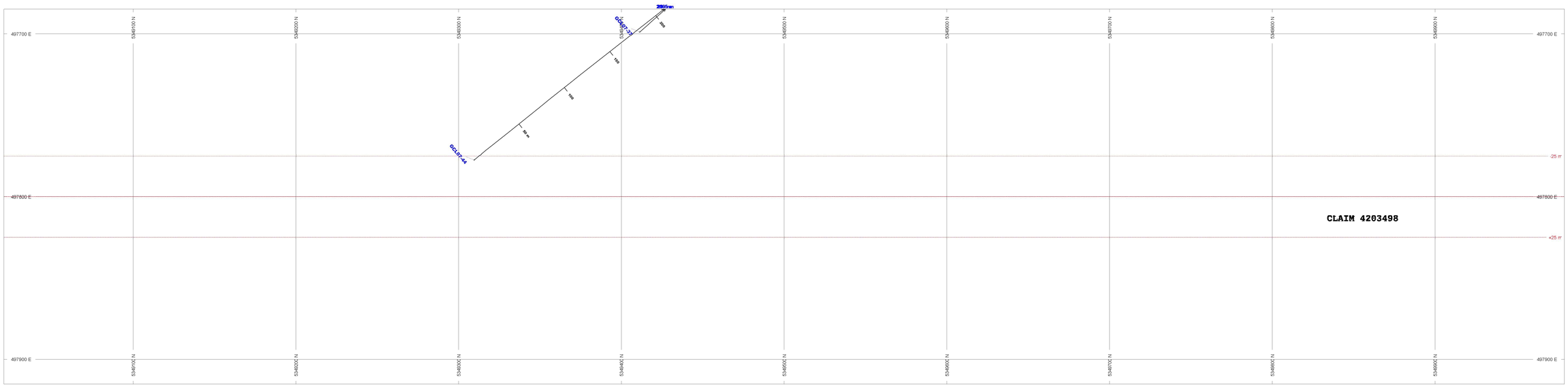
N W E S

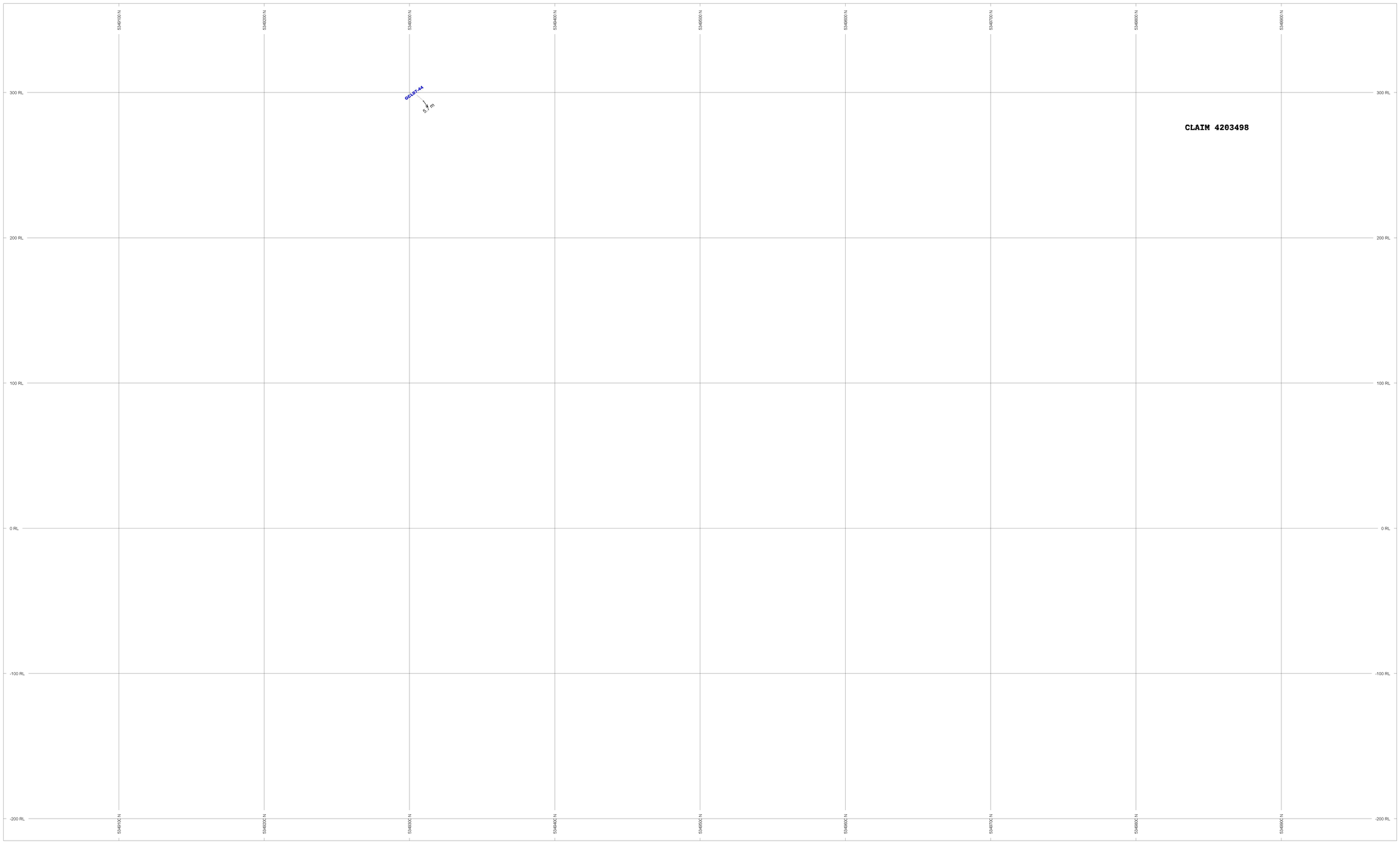
Golden Chalice Resources

Langmuir

2007 Drilling on Claim 4203498

Section **497200E**





SECTION LOOKING WEST

SECTION SPECS:

REF. PT. E, N	497800 m	5349500 m
EXTENTS	959 m	576.5 m
SECTION TOP, BOT	361.3 m	-215.1 m
TOLERANCE +/-	25 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

AZIMUTH = 0°

N W E S

Golden Chalice Resources

Langmuir

2007 Drilling on Claim 4203498

Section **497800E**