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Technical Report
On the
Bucke Pipe Property
Larder Lake Mining Division,
Northeastern Ontario

Prepared for
Novawest Resources Incorporated

March 4, 2005

Des Cullen, P.Geo.

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1.0 SUMMARY

Clark Exploration Consulting of Thunder Bay, Ontario was contracted by Novawest Resources Inc. ("Novawest") of Vancouver, British Columbia, to review the Bucke Pipe Property and to prepare a Technical Report compliant with the requirements for assessment credits with the Ontario Ministry of Northern Development and Mines.

The main feature of interest on the property, and the target of the exploration work, is a kimberlite pipe (the "Bucke Pipe"), which has been described as being at least 230 metres across. Previous work on the pipe has recovered a total of four macrodiamonds and two microdiamonds (Carmichael 1999 and Lakefield 2001).

The work described in this report for assessment credit purposes consists of a diamond drill program conducted from March to August 2000, with a total of 11 holes drilled for a total of 2288.9 metres of BTW sized core. The holes reported intersecting 1424 metres of kimberlite. Dr. Peter Fischer, of Thornhill, Ontario, logged the core and the core is stored in Sudbury, Ontario.

The Bucke Pipe Property is located in Bucke Township, approximately 4 km south of New Liskeard, Ontario and the Trans Canada Highway crosses the southeast corner of the property (Figures 1 and 2). The approximate UTM co-ordinates for the centre of the property are 596500 E, 5259300 N (Datum NAD 83 Zone 17). The property consists of 5 claims (1247625, 1247626, 1247627, 1247628 and 1186377) totalling 5 units, or 80 hectares; the claim dispositions are listed in Table 1.

The Buck Pipe has been described as exhibiting more than nine facies of intrusive kimberlite breccias. The breccias exhibit variation in concentration of the following: blocks of country rocks, autoliths of hypabyssal kimberlite and fragmented autoliths of hypabyssal kimberlite. (fresh garnet-bearing coarse grained harzburgite?, and oxide-rich ultramafic); xenocrysts / macrocrystal olivine, numerous very large garnet megacrysts up to 15mm in the longest dimension (garnets are highly fractured, brownish-red in colour), and microphenocrysts of opaques. The matrix is rich in phlogopite, oxides and carbonates. Collectively, the above features are considered to be favourable (Novawest news release).

The Buck Pipe Property of Novawest Resources warrants further exploration of the kimberlite in order to determine if the pipe or a part of it contains economic diamond mineralization.

2.0 INTRODUCTION AND TERMS OF REFERENCE

Clark Exploration Consulting of Thunder Bay, Ontario was contracted by Novawest Resources Inc. ("Novawest") of Vancouver, British Columbia, to review the Bucke Pipe Property and to prepare a Technical Report compliant with the requirements for assessment credits with the Ontario Ministry of Northern Development and Mines. The report and recommendations are based on:

1/ Public data archived at the Ministry of Northern Development and Mines, Kirkland Lake Resident Geologist's Office, Kirkland Lake, Ontario;
2/ In-house reference material available in the author's office;

The main feature of interest on the property, and the target of the exploration work, is a kimberlite pipe (the "Bucke Pipe"), which has been described as being at least 230 metres across. Previous work on the pipe has recovered a total of four macrodiamonds and two microdiamonds (Carmichael 1999 and Lakefield 2001).

The work described in this report for assessment credit purposes consists of a diamond drill program conducted from March to August 2000, with a total of 11 holes drilled for a total of 2288.9 metres of BTW sized core. The holes reported intersecting 1424 metres of kimberlite. Dr. Peter Fischer, of Thornhill, Ontario, logged the core and the core is stored in Sudbury, Ontario.

3.0 PROPERTY DESCRIPTION AND LOCATION

The Bucke Pipe Property is located in Bucke Township, approximately 4 km south of New Liskeard, Ontario and the Trans Canada Highway crosses the southeast corner of the property (Figures 1 and 2). The approximate UTM co-ordinates for the centre of the property are 596500 E, 5259300 N (Datum NAD 83 Zone 17). The property consists of 5 claims (1247625, 1247626, 1247627, 1247628 and 1186377) totalling 5 units, or 80 hectares; the claim dispositions are listed in Table 1.

The claims are held in good standing by Novawest (claims 1247625, 1247626, 1247627, and 1247628) and R. Whelan (claim 1186377). Under an option agreement dated March 25, 1996, Novawest Resources Inc. can earn a 100% interest in claim 1186377 by making cash and stock payments to the vendor and a $50,000 work commitment. This agreement is also subject to a 1.5% net smelter royalty (NSR) to R. Whelan, with Novawest having the option to buy back the NSR (1%) for $500,000 for every 0.5%.

There are no known environmental liabilities or public hazards associated with the property, and work permits are not required in Ontario to perform the work prescribed in this report.

Table 1. Bucke Pipe Property Claims

Claim No.	Township	Date Recorded	Due Date	Work Required	Unit Size
1247625	Bucke	July 05, 2000	July 05, 2005	$400	1
1247626	Bucke	July 05, 2000	July 05, 2005	$400	1
1247627	Bucke	July 05, 2000	July 05, 2005	$400	1
1247628	Bucke	July 05, 2000	July 05, 2005	$400	1
1186377	Bucke	April 24, 1992	April 24, 2010	$1600	4
Total				**$3200**	**9**

4.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

The Bucke Pipe Property is located in Bucke Township, approximately 4 km south of New Liskeard, Ontario. The Trans Canada Highway (Hwy 11) crosses the southeast corner of the property (Figures 1 and 2). An all weather gravel road from Highway 11 crosses the central portion of the kimberlite pipe. The approximate UTM co-ordinates for the centre of the property are 596500 E, 5259300 N (Datum NAD 83 Zone 17).

The topography of the property consists of rolling farmland within a broad basin underlain by Paleozoic sediments. A pervasive north by northwest trend of eskers and other glacial deposits contribute to the relief in the area of the property. The Buck Pipe is overlain by up to 60 metres of glacial till and clay, which has been cleared for farming. The property is actively farmed, and the owner of the farm (who holds the surface rights) will have to be consulted before beginning any new exploration program.

The towns of New Liskeard, Haileybury and Cobalt are all located within about a nine kilometre radius of the property, and the area is well known for it's mining history and offers advanced mining and exploration infrastructure.

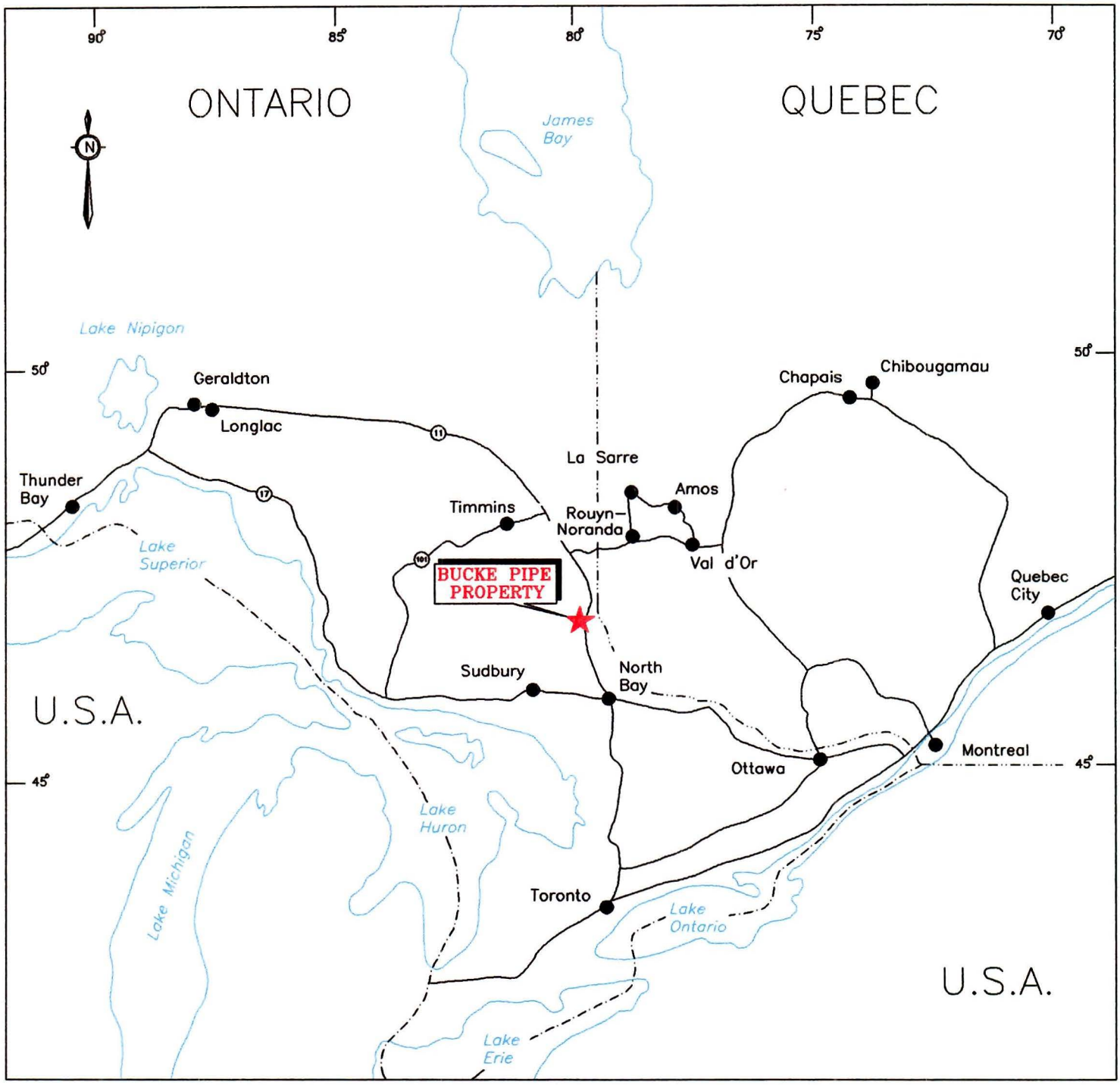
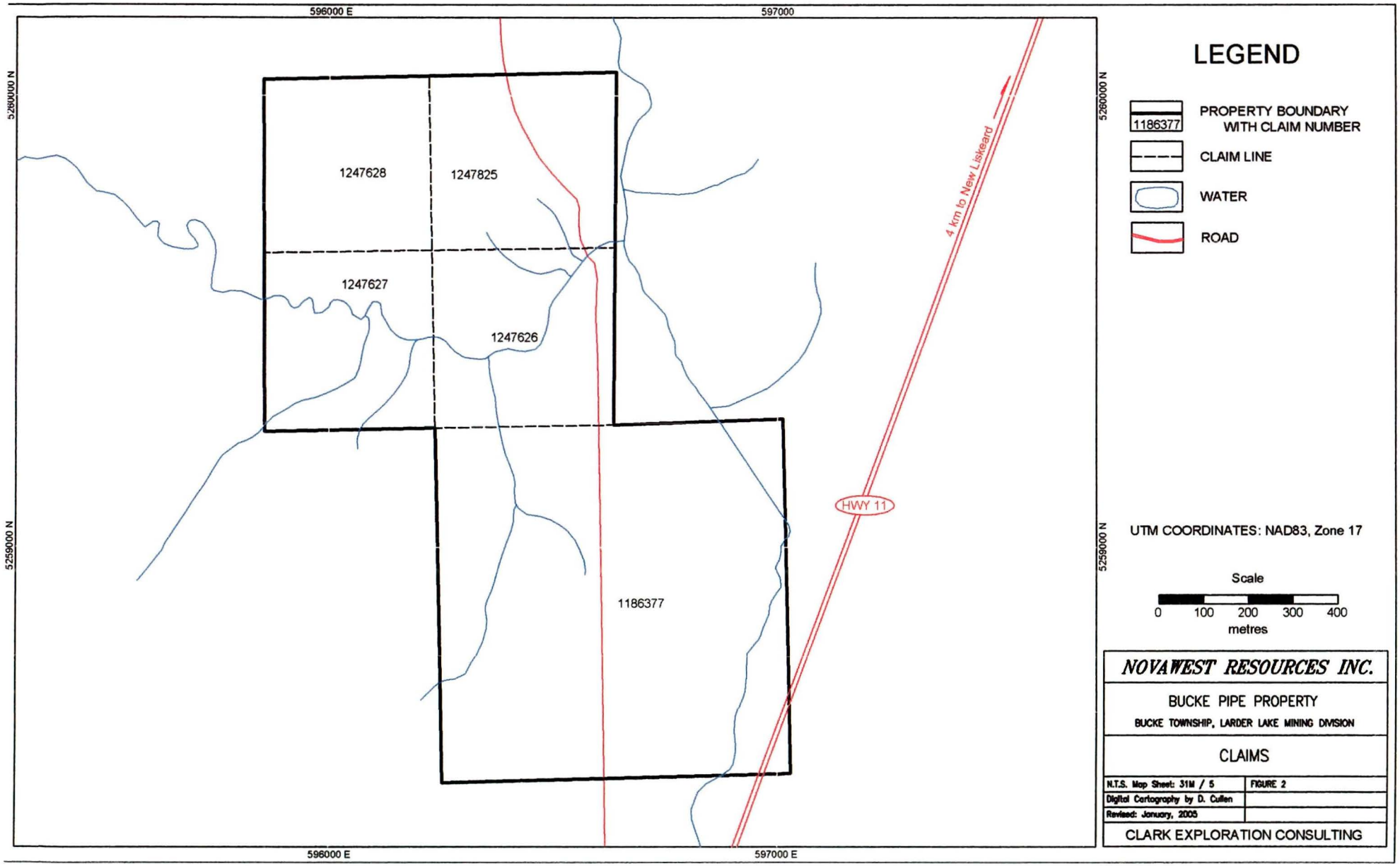


Figure 1. Regional–scale map showing the location of the Bucke Pipe Property.


596000 E
597000
5260000 N
5259000 N
1247628
1247825
1247627
1247626
1186377
4 km to New Liskeard
HWY 11
596000 E
597000 E
LEGEND
1186377
PROPERTY BOUNDARY WITH CLAIM NUMBER
CLAIM LINE
WATER
ROAD
UTM COORDINATES: NAD83, Zone 17
Scale
0 100 200 300 400
metres
NOVAWEST RESOURCES INC.
BUCKE PIPE PROPERTY
BUCKE TOWNSHIP, LARDER LAKE MINING DIVISION
CLAIMS
N.T.S. Map Sheet: 31M / 5
FIGURE 2
Digital Cartography by D. Cullen
Revised: January, 2005
CLARK EXPLORATION CONSULTING

5.0 PROPERTY HISTORY

The Bucke Pipe was discovered in February 1983 by Monopros Ltd. following an airborne magnetic and electromagnetic survey. A three hole program was completed in 1983 using a Schramm air compressed Rotodrill. Monopros also reportedly completed a hole in 1985, but no records for this hole are available. Hole NLDH 83-2, completed to a depth of 58.8 metres, penetrated 40.8 m of till followed by diabase to the bottom of the hole, missing the kimberlite. The company also completed ground magnetics over the pipe, and subsequently abandoned the property.

Lac Minerals staked the property next and completed a ground magnetic survey over the pipe, followed by one drill hole in 1987-88. While records of this drill hole are unavailable, it was reported that they recovered three diamonds totalling 0.025 carats. Lac Minerals subsequently abandoned the property.

In 1992, KWG Resources and Spider Resources optioned the Bucke Pipe claim (1186377) from R. Whelan and completed 13 reverse circulation drill holes totalling 1237.8 metres. A 25 tonne bulk sample was extracted from the eastern part of the pipe (the Central Lobe, Figure 3) and a 3 ton bulk sample extracted from the West Lobe. The 25 tonne sample from the Central Lobe was processed by Lakefield Research of Lakefield, Ontario, with the resulting jig concentrate subjected to caustic dissolution. From a jig concentrate of 101.3 kg, KWG recovered four macrodiamonds and one microdiamonds totalling 0.08 carats. The bulk sample from the West Lobe did not recover any diamonds.

In house mineral chemistry completed by KWG Resources Ltd. suggest that the Buck Pipe is favourable for the presence of diamonds (Novak, 1993). Additional exploratory work was recommended but not completed at that time. KWG subsequently abandoned the project.

In 1996, Novawest Resources Inc. (then called "International Homestead Resources") acquired the property through an option agreement with R. Whelan.

6.0 GEOLOGICAL SETTING

6.1 Regional Geology

(from Novak 1994)

The general property area is regionally mapped as mafic to ultramafic rocks of Archean age, associated with mafic to intermediate volcanics, successively intruded by felsic to intermediate rocks. Metasedimentary rocks overly these metavolcanic assemblages. Coarse clastic metasediments overly certain areas in a belt extending from Teck Township to McGarry Township, just north of the property area. Late stage intrusions of ultramafic rocks including diabase as well as tonalities, diorites and monzonites underlie much of the area, and are in turn largely covered by Ordovician and Silurian limestones and sandstones. Apart from the normal dyke swarms common to much of northern Ontario, Jurassic age alkalic dykes and intrusions have been injected into the aforementioned suite of rocks.

The latter intrusions are of interest with respect to this project as diamond exploration targets. Kimberlites have been located within the project area, some of which have proven to be diamondiferous. Kimberlite or kimberlitic rock is injected into the country rock in swarm-like patterns, usually in small irregular clutches. Attempts have been made to predict these patterns of emplacement, but it is apparent that no specific set of rules applies. It appears that regional supracrustal weakening may provide the necessary conduit for swarm emplacement, thus creating a region likely to host kimberlite swarms. The property area appears to be such an area, making it an attractive geological target for diamond prospectivity.

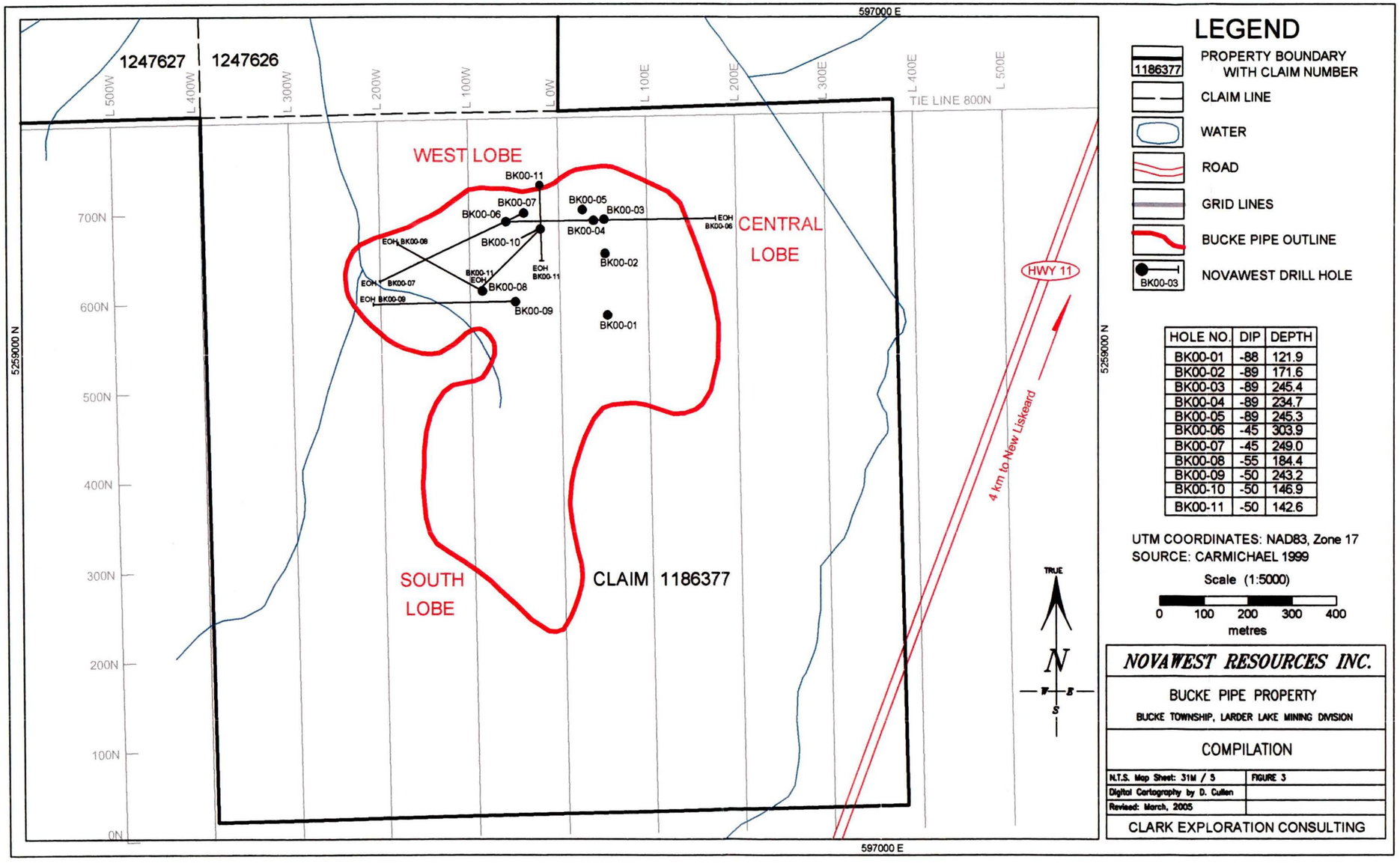
6.2 Property Geology

The Bucke kimberlite pipe occurs adjacent to the McKenzie Fault at the intersection of the north-south striking topographic South Wabi Creek Zone.

Brummer et al., (1992) describe the Bucke Pipe as being a minimum of 230 metres across and consisting of high level lithic-tuffisitic breccia. The outline of the pipe as interpreted by Carmichael (1999, Figure 3) is approximately 400 metres by 500 metres.

The total field magnetic survey by Monopros in 1984 indicates that the pipe is irregular in outline with three lobes presumably representing three intrusive phases. The interpreted pipe outline shown in Figure 3 is represented by the 1500 nT contour, as plotted and interpreted by Carmichael (1999). In several Novawest news releases (2000 and 2001) these three "lobes" have apparently been interpreted as three individual kimberlite pipes; this remains to be clarified.

The Buck Pipe has been described as exhibiting more than nine facies of intrusive kimberlite breccias. The breccias exhibit variation in concentration of the following: blocks of country rocks, autoliths of hypabyssal kimberlite and fragmented autoliths of hypabyssal kimberlite. (fresh garnet-bearing coarse grained harzburgite?, and oxide-rich ultramafic); xenocrysts / macrocrystal olivine, numerous very large garnet megacrysts up to 15mm in the longest dimension (garnets are highly fractured, brownish-red in colour), and microphenocrysts of opaques. The matrix is rich in phlogopite, oxides and carbonates. Collectively, the above features are considered to be favourable (Novawest news release).



LEGEND

- 1186377 — PROPERTY BOUNDARY WITH CLAIM NUMBER
- CLAIM LINE
- WATER
- ROAD
- GRID LINES
- BUCKE PIPE OUTLINE
- BK00-03 — NOVAWEST DRILL HOLE

HOLE NO.	DIP	DEPTH
BK00-01	-88	121.9
BK00-02	-89	171.6
BK00-03	-89	245.4
BK00-04	-89	234.7
BK00-05	-89	245.3
BK00-06	-45	303.9
BK00-07	-45	249.0
BK00-08	-55	184.4
BK00-09	-50	243.2
BK00-10	-50	146.9
BK00-11	-50	142.6

UTM COORDINATES: NAD83, Zone 17
SOURCE: CARMICHAEL 1999

Scale (1:5000)

0 100 200 300 400
metres

NOVAWEST RESOURCES INC.

BUCKE PIPE PROPERTY
BUCKE TOWNSHIP, LARDER LAKE MINING DIVISION

COMPILATION

N.T.S. Map Sheet: 31M / 5	FIGURE 3
Digital Cartography by D. Cullen	
Revised: March, 2005	

CLARK EXPLORATION CONSULTING

7.0 NOVAWEST'S 2000 DRILL PROGRAM

From March to August 2000, Novawest conducted a diamond drilling program on the Buck Pipe consisting of 11 diamond drill holes for a total of 2288.9 metres. The dill hole collars are plotted on Figure 3, and the logs, drilling summary and a legend for the kimberlites, are presented in Appendix I. Section plots for each hole are located in Appendix II. A total of 21 samples were submitted to Lakefield Research of Lakefield, Ontario for analysis by microdiamond extraction, selection and description. The Certificate of Analysis for these samples, which includes the sample intervals, is shown in Appendix III. A further 9 samples were sent to ALS Chemex in Vancouver, B.C. for ICP and wholerock analysis. The Certificates of Analysis, with analytical procedures, is located in Appendix IV. The diamond analyses returned a single microdiamond from hole BK00-09 (at 163 to 171 metres).

The drilling was done by Keith Allen, of Ultra Mobile Drilling of White Rock, B.C., and was logged by Dr. Peter Fischer, of Thornhill, Ontario. The core was also analysed for magnetic susceptibility.

8.0 INTERPRETATION AND CONCLUSIONS

The work performed on the Bucke Property to date has proven the existence of a kimberlite diatreme on the property. While the results of the diamond analysis on Novawest's drill holes has been disappointing so far, it should be noted that the total metreage of samples sent in for analysis was only 161.62 metres out of at total of 2288.9 metres drilled; 1424 metres of which was kimberlite. The sampling therefore represents only about 11% of the kimberlite intersected, and 7% of the total drilling.

The Buck Pipe exhibits more than nine facies of intrusive kimberlite breccias. The breccias exhibit variation in concentration of the following: blocks of country rocks, autoliths of hypabyssal kimberlite and fragmented autoliths of hypabyssal kimberlite. (fresh garnet-bearing coarse grained harzburgite?, and oxide-rich ultramafic); xenocrysts / macrocrystal olivine, numerous very large garnet megacrysts up to 15mm in the longest dimension (garnets are highly fractured, brownish-red in colour), and microphenocrysts of opaques. The matrix is rich in phlogopite, oxides and carbonates. Collectively, the above features are considered to be favourable (Novawest news release).

In addition, the South Lobe (Figure 3) of the pipe (or the Southern Pipe if they are in fact three separate, distinct pipes) has not yet been drill tested, and represents a target for future drilling. If the three lobes do different pulse in a series of kimberlite emplacement events, then each of these pulses would have it's own diamond content and grade.

9.0 RECOMMENDATIONS

The Buck Pipe Property of Novawest Resources warrants further exploration of the kimberlite in order to determine if the pipe or a part of it contains economic diamond mineralization. It is recommended that, before doing any more drilling on the Buck Pipe, more sampling be done of the core from Novawest's 2000 drilling. Based on the results of this sampling, the area covered by Novawest's drilling (the West and Central Lobes) may warrant more drilling.

The South Lobe should also be drill tested, although before doing more drilling some consideration and study should be done to decide if larger core would aid in getting better sample representation of the pipe. Further bulk sampling may also be warranted; however with the excessive overburden depths and the fact that the property is actively farmed might make this difficult unless the bulk sample is achieved through large diameter drilling (possibly reverse circulation drilling, as was done by Monopros).

10.0 REFERENCES

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Novak, N., 1994: BU-01 Kimberlite, Bucke Township. Greater Larder Lake Area, province of Ontario. Internal report prepared for International Homestead Resources Inc.

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Sage, R.P., 1996: Kimberlites of the Lake Timiskaming Structural Zone; Ontario Geological Survey, Open File Report 5937, 435 p.

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11.0 CERTIFICATE OF QUALIFICATIONS

I, Desmond Cullen, P.Geo., do hereby certify that:

1. I am currently self-employed as a consulting geologist.
2. I graduated with a degree of Honours Bachelor of Science from Lakehead University, Thunder Bay, in 1988.
3. I am a member of the A.P.G.O. (#0164).
4. I have worked as a geologist for a total of 16 years since my graduation from university.
5. I am responsible for the preparation of the entire body of the technical report titled "Technical Report on the Bucke Pipe Property" and dated March 4, 2005 (the "Technical Report") relating to the Bucke Pipe Property. I have not visited the property.
6. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

Dated this 4th day of March, 2005

Desmond Cullen, P. Geo

Appendix I

Drill Log Summary, Kimberlite Legend and Drill Logs

NOVAWEST Resources Inc.

BUCKE PIPE DRILLING, 2000

Tabulation of drill Holes

						m	m	m	m	m
Hole #	**Started**	**Finished**	**Coord (m)**	**Azimuth**	**Dip**	**OB**	**Final Depth**	**Kimberlite**	**Diabase**	**Gowg Fm, other**
BK00-1	25-Mar	01-Apr	578.5N / 54.75E	360 degr	88 degr	40.8	121.9		21.5	59.62
BK00-2	02-Apr	12-Apr	647.8 N / 53.2E	360 degr	89 degr	35	171.6	122.5	3	11.1
BK00-3	14-Apr	20-Apr	684.5N / 70.2E	360 degr	89 degr	34.4	245.4	209.4		1.2
BK00-4	24-Apr	01-May	684.5N / 40.2E	360 degr	89 degr	34.8	234.7	199.9		
BK00-5	02-May	10-May	696.5N / 28.7E	360 degr	89 degr	36.3	245.3	209		
BK00-6	11-May	19-May	685N / 60.0 W	090 degr	45 degr	57.8	303.9	203	28.4	14.65
BK00-7	23-May	04-Jun	695.5N / 38.0 W	246 degr	45 degr	59.4	249	70.8	83.7	35.05
BK00-8	07-Jun	15-Jun	607.0N / 86.0W	300 degr	55 degr	52.7	184.4	124	7.6	
BK00-9	22-Jun	30-Jun	595.5 N / 50.0W	270 degr	50 degr	59.7	243.23	183.5		
BK00-10	09-Jul	22-Jul	675.5N / 21.0W	225 degr	50 degr	61	146.9	101.8	26.8	18.3
BK00-11	25-Jul		725.5N/21.0W		50 degr		142.6			
Total						472	2288.9	1424		

Kimberlite Legend

(alpha-numerical)
for Bucke-Pipe Proj, ON, for Novawest Res Inc.
Summer 2000
For drill holes BK00-01 through BK00-10

Magn Susc	Type Code	Groundmass		Lithic Clasts		Phenocrysts	Fabric
		Kimberlite: A. Definition of 'Groundmass': <0.1 - 1.0 mm grain size. Ground mass consists of a) matrix b) olivine grains c) lithic clast. All minerals are altered. Colours refer to dry drill core.		**General:** Almost all lithic clasts are strongly altered, many have reation rims.			NFF= no flow fabric, i.e. isotropic, massive
8.0 - 12	**A1**	Overall colour light green gray. Core soft, water adsorbent. Ground mass consists of a) matrix (tc, carb?) white - light gray, with 0.5-1 % tiny black grains (oxide?) b) 0.1 - 1.0 mm round olivine, medium green c) almost no < 1 mm lithic clasts	**a**	white carbonate sediment, unmetamorphosed, dense, in part with bedding preserved; and metamorphosed, recrystallized, marble. Very common	**alpha**	small olivines (1-2 mm)	**FF**= Flow Fabric. Local, weak orientation of elongated olivines and slab-shaped lithic clasts.
0.5 - 0.7	**A2**	Overall colour beige, light-ochre-gray. Core is soft, water adsorbent. Groundmass consists of a) matrix (tc, carb?) light gray, b) 0.1 - 1.0 mm olivine, light green to medium green, some are brownish. c) other altered Femag minerals (px ?) d) < 1 mm size lithic clasts, colour green, white, brown	**b**	Non-carbonate sediment, light gray, dense (clay?, altered siltstone?) Very common	**beta**	large olivine (2 - 20 mm)	
10.0 - 18.0	**A3**	Overall colour light to medium green, with slight brownish tinge. Core is solid, fairly hard, not water adsorbent. Ground mass c+C11onsists of a) Matrix, light green b) 0.1 - 1.0 mm olivine medium green (olive colour) with thin ochre coloured rim around each olivine. Larger (0.5 - 1 mm) olivine are dark green/blackish or with black rim c) no or few lithic clasts < 1 mm.	**c**	UM? Serpentine? Chlorite? Light- to medium green and blueish green, dense, no texture. Very common	**gamma**	other Femag (px?)	
2	**A4**	Overall colour medium-dark green. Core is harder, consists of a) matrix, light gray, b) 0.1 - 1 mm olivine with light gray core and thin dark green/blackish rim, c) few medium to light green lithic clasts <1 mm.	**d**	beige coulored, very soft, vuggy, slightly carbonaceous, with clay minerals. Altered sediment	**delta**	garnet	

0.9	A5	Overall colour medium to dark green, as Type 4. Rock solid. Consists of a) matrix light gray b) 0.1-1 mm olivine, of solid dark green colour (no black rim) c) few med-light green lithic clasts < 1 mm	e	mafic igneous rocks with relict texture. Minerals: Hornblende, px, plag. Rock types Gabbro, hbl-gabbro, diab, diorite	epsilon	oxide	
6	A6	Overall colour medium greenish brown. Rock hard, solid, not water adsorbent Consists of a) matrix 1/3 white and 2/3 brown, fresh fine phlogopite b) 0.1 - 1 mm olivine medium green c) few green lithic clasts < 1 mm	f	Felsic igneous rocks with relict texture. Colour pink-gray, buff. Rock types: Granite, granodiorite	zeta	phlogopite	
15	A7	Overall colour brown with dark green spots. Rock very hard, fresh, solid, not water adsorbent and consists of a) matrix, brown, mainly fine grained, fresh, honey brown mica, phlogopite, b) medium to dark green olivine 0.1 - 1 mm (l.p. fresh?) c) nosmall lithic clasts < 1 mm	g	UM igneous rocks, coarse grained. Oliv, px, garnet. Garnet peridotite, eclogite?	ita	chrom-diopside	
11	A8	Overall colour dark green, rock fairly hard, solid. Consists of a) matrix medium blueish green b) dark/blackish green olivine 0.1 - 1 mm c) no/few lithic clasts < 1 mm	h	Mafic-UM, fine grained rock, dark gray, granular, hornfelsic, massive. As mm-cm clasts and mm-cm wide reaction rims around lithic clasts, UM clasts	thita	chromite	
1	A9	Overal colour dk green, rock fairly hard, solid. Consists of a) dk gy and light gy matrx b) dk green/blackish oliv 0.1-1 mm, > 0.5 mm mostly with white core c) few (1-2%) lt green and bwn lithic clasts 1mm d) few (2-5%) larger (2-5 mm) sed and mafic subophitic clasts.	i	Sediment, bedded. Colour buff/light brown, soft, with mm parallel beds of black Femags.			
0.6	A10	Similar to A5 but has black-green oliv 0.1 - 2 mm. Overall colour: Mottled dark brown-green. Consists of a) matrix of 1/2 white, 1/2 dark green material with minor dusty oxide, trace <1mm garnet b) black-green, 'fish-roe' olivine 0.1-1 mm, bimodal, larger 1-3 mm oliv. c) 5-10% ,1-5 mm clasts, various colours, lithic and phenocrysts. d) a total of 25-40% clasts, <1-1.5 cm. Few > 3cm clasts e) 0.5% UM garnet lherzolite clasts with Chrome diopside and some with lilac garnet.	j	Prophyritic and amygdaloidal volcanics, altered. Various colours			

0.4 - 0.5	A11	Similar to A10, but groundmass uniformly brown gray colour. Only fes blackish-green olivine clusters. Consists of a) matric, light gray with abundant tiny brown spots and cloudy brown coloration b) medium green (olive-coloured) 0.1-1 mm olivines ('fish roe') c) common 0.5-1 mm light green, altered xtls or lithic clasts d) common (10-15 0%) mm - 1 cm sedim and subophitic lithic clasts with dk green rim	k	Black UM hornblendite, feldspathic hornblendite			
0.3 - 0.6	A12	Overall colour dark, blackish green gray. Groundmass made up of a) dark matrix, rare light gray spots b) 0.1-0.5mm fish egg olivine, in part closely packed c) few < 1 mm lithic clasts light gray medium green. Larger phenocrysts mainly olivine fresh green and brown. Lithic clasts 10-20%	l	autolithic kimberlite, vfg, commonly with chilled rim. Sharp outlines			
2.0 - 7.7	A13	Overall colour medium green gray. Core not water-adsorbent. Matrix of groundmass light gray. Small (< 0.5mm) groundmass olivines have light gray core and thin dark gray/black rim; small olivine phenocrysts (0.5 - 2 mm) the same. Trace dusty oxide in groundmass. 1-2% 1-3 mm light gray sediment clasts.	m				
7.5 - 16.0	A14	Overall colour (dry) medium gray-green. Groundmass made up of: a) matrix, colour (wet) light-green/buff b) oliv (size 0.1 - 0.5mm), colourmedium-dark green and small oliv phenoxts (size 0.5-1mm); c) trace vfg dusty brown material, phlogopite(?) << 0.1mm; d) small lithic clast: light gray sediments, gabbro, serpentine (?) e) trace of other small phenocrysts, red garnet, oxide.	n				
11.0 - 14.0	A15	Overall colour (dry) medium to dark gray. Groundmass made up of: a) matrix, colour (wet) light-green/buff with a trace of extremely fine, brownish phlogopite(?) and a trace oxide b) olivine (size <0.1 - 0.5mm), colour medium-dark green and small olivine phenoxts (size 0.5-2mm) with light core and dark rim. Rare (1-2%) large olivine phenocrysts, round and equant. No or rare lithic clasts	o				

0.25 - 0.4	**A16**	Overall colour medium green. Core is not water-adsorbent. Groundmass appears dense, green, it is difficult to distinguish between matrix and small groundmass-olivines, 0.1-0.5mm. Phenocrysts (3-5%): Olivine, fresh and altered, 1 - 10 mm; phlogopite, ? orthopyroxene?. Lithic clasts: High clast population, 30-40%: Mostly < 1cm size, rare 30-50cm; > 1/2 sediment, 1/4 gabbro, diorite, 1/4 ultramafics and other.	p				
1.5 - 8.0	**A17**	Overal colour: Dark green-gray, spotted. Groundmass: Dark gray to blackish gray. Matrix dark gray. Groundmass-olivines dark gray, medium gray, medum brown gray. Small penocrysts (0.5-1mm) Olivine, dk green, fresh and altered. Phlogopite rare but present. Minor garnt, oxide. Small lithic clasts, 1mm, 1-2%, white, green. Larger Phenocrysts (1-5mm): Mainly olivine, fresh, with cleavage, 1-10mm, garnet 1%,red, minor lavender, 1-10mm. Phlogopite 0.1-0.5%, 1-4mm. Oxide, <1-3mm. Lithic clasts 5-10%, mainly light coloured sediments, subophitic mafic intrusives, minor UM and dense, dk green clasts					
0.3 - 2.2	**A18**	Overall colour: medium gray. Groundmass: medium gray-green. Groundmass-olivines, <0.1-0.5mm medium green-gray core, dark rim. Trace other: Oxide, phlogopite. Larger olivines (0.5-2mm) white and brownish core, medium-dark green rim. Larger lithic clasts: High, 30-40%: Equal proportions of: sediments, gabbro, fg mafic volcanic, other (serpentine, ultramafic)					

Novawest Resources Inc.

DDH #	PROPERTY	NTS	Twp	Lot, Conc	DEPTH	AZIMUTH	DIP	LAT	DEPARTURE
BK00-01	Bucke Pipe		Bucke Twp, ON	Lot 4, N 1/2, Conc 5 and Lot 5, N 1/2, Conc 5	121.9	360	88	578.5 m N	54.75 m E
INCLINATION AND TROPARI TESTS									
DEPTH	AZ	DIP	DEPTH	AZ	DIP	DEPTH	AZ	DIP	
39.6 m	360	88	121.92 m	360	86				
TOP OF WEDGES									
LOGGED BY		STARTED	COMPLETED		COMMENTS				
Peter Fischer		25-Mar-00	01-Apr-00						
DRILLED BY									
Keith Allen									

COMPANY Movawest Resources Inc.
DDH # BK00-01
PAGE 2

DEPTH (m)		SAMPLE #	ROCK	DESCRIPTION	Mag	Assays							
FROM	TO					Cu ppm	Ni ppm	Zn ppm	Pb ppm	Ag ppm	Au ppb	Pt ppb	Pd ppb
0	40.75		OB	Overburden. Clay to approximately 35 m, boulders and clay 35 - 40.75 m									
40.75	62.3		Diabase	Diabase. General: Probably a sill, based on a preserved conformable contact between diabase and underlying Gowganda Fm sediments at 62.3 m. Well developed chill zone at lower contact. Massive, medium grained, subophitic, mafic composition. Subdivision according to sampling and minor lithologic variations as follows:									
40.75	42	P163579	Diabase	Massive, mafic composition, subophitic igneous texture, 0.5 - 2 mm grain size. Plag 50-60 %, 20-30 % subophitic px, 10-20 % blackish, equant grains: Altered olivine ?. Diabase is fresh, hard. Rare fractures. Magnetic susceptibility readings, at 0.5 m intervals, are high but show no systematic variation.	11 to 17	102	209	40		<0.2	<2	5	12
42	45		Diabase	similar to 42 m. Magnetic susceptibility readings, at 0.5 m intervals: 10.2 10.8 17.4 11.5 16.1 12.5	10.2 to 17.4								
45	46	P163580	Diabase	similar to 42 m. Magn sucs: 10.1 8.8	8.8 to 10.1	106	187	38		0.2	<2	10	14
46	49		Diabase	similar to 42 m. Magnetic susceptibility readings, at 0.5 m intervals: 13.7 16.9 13.1 12.9 16.8 12.4	12.9 to 16.9								
49	50	P163581	Diabase	similar to 42 m. Magn susc 11.1 11.9	11	109	169	34		<0.2		10	22
50	52.6		Diabase	similar to 42 m. Magnetic susc at 0.5 m intervals: 13.7 13.2 19.4 14.2 13.3	13.2 to 19.4								
52.6	53		Dyke? Mafic	finer grained diabase, light gray, no equant, black, altered oliv (?). Sharp gradational contacts. P+F25robably a dyke	0.4 - 4								
53	54	P163582	Diabase	similar to 42 m.	7.5 - 11.3	116	135	38		<0.2	<2	10	16
54	56		Diabase	similar to 42 m, strongly fractured. Magn susc readings at 0.5 m intervals: 9.5 12.1 14.2 13.8	9.5 - 14.2								

56	57		Diabase	similar to 42 m, strongly fractured. 1 cm carb-chlor vein at 20 degr CA 56.0 - 56.2 m. Core rubbly. Magn susc readings at 0.5 m intervals: 2.4 18.0	2.4 - 18								
57	58	P163583	Diabase	similar to 42 m, strongly fractured	16.6 - 12.9	115	143	38		<0.2	<2	10	22
58	60		Diabase	similar to 42 m, strongly fractured. Magn susc readings at 0.5 m intervals: 8.1 16.5 19.6 18.1	16.5 - 19.6								
60	61	P163584	Diabase	similar to 42 m, strongly fractured. 1 cm chlor-carb vein at 10 degr. CA from 60.2 - 60.7 m core rubbly	4.6 - 1.0	105	99	48		0.2		10	18
61	62.3		Diabase, chill phase	finer grained diabase, light gray, grain size 0.1 - 0.5 mm, becoming finer grained towards contact. Aphanitic chill phase 62.0 - 62.3 m	4.1, 4.3, 8.2								
62.3	121.92		Gowganda Sediments	General: Clastic sediments of the Huronian Gowganda Formation. Bedding , at cm and dm-scale, flat lying i.e. 85 to 89 degrees rel to core axis (CA). Composition felsic, hard, mineralogy mainly fsp, qtz, minor Femags and clay minerals, colour medium gray, greenish and pink layers, increasing down hole. Locally strong vertical and steep fracturing: 62.3 - 66.5m, 68 - 69 m, 72.5 - 76 m, 112 - 117 m, 119 - 121.92 m. Magnetic susceptibility readings, taken at 0.5 m intervals, indicate distinct, primary concentrations of detrital magnetite at a scale of metres to 40 metres. Subdivision according to sampling intervals, magnetic susceptibility and observed lithologies are as follows:									
62.3	69.5		Gowganda Sediments	Bedded clastic sediments, possibly turbidites, as described above ('General'). Mainly siltstone, colour medium green-gray, rare pink mm-beds (10-20 %). Femag abundance higher than down hole. Decrease of Femags over 1 - 2 m downhole. Strongly fractured (vertical and steep fractures) 62.3 - 66.5 m, 68 - 69 m. Bedding 85 - 89 degr. CA. Magn susc at 0.5 m intervals: 1.1 1.4 13.5 6.2 14.6 16.4 18.5 13.0 14.4 17.0 16.2 14.7 15.8 14.6	1.1 to 18.5								
69.5	71.5	P163585	Gowganda Sediments	Arkose and siltstone, as to 69.5. Magn susc: 17.2 17.8 21.7 12.8	12.8 to 21.7	6	68	10		<0.2	<2	<5	<2

71.5	98.5		Gowganda Sediments	Arkose and siltstone, as to 69.5. Within first 2 m gradual increase of pink K-fsp rich beds to estim. 60 % and decrease of green Femags. Sli+F26ght increase of grain size, (estimated 10 % of pink, feldspathic, coarser, 0.5 - 1.5 mm grain size) beds i.e. to higher-energy sediments.Magn susc: 16.9 16.5 16.3 14.5 16.7 12.8 16.2 16.1 16.9 17.1 15.9 12.8 15.7 12.9 13.7 13.2 11.5 13.5 17.0 12.0 10.9 21.1 15.7 15.7 12.7 13.0 11.0 12.8 11.5 13.3 9.9 9.3 13.5 14.9 11.8 11.5 12.2 10.8 12.7 12.7 12.1 11.4 9.1 11.3 15.8 10.0 11.0 16.2 13.0 11.1 11.8 10.0 13.1 14.8	10 to 21.1								
98.5	99.5	P163586	Gowganda Sediments	Arkose and siltstone, as to 69.5. Contains a 10 cm thick layer with high magnetic susceptibility, with visible fg magnetite.	13.1, 33.0	8	67	12		<0.2	10	<5	2
99.5	104		Gowganda Sediments	Arkose, similar to 98.5 m. Mag. Susc still high: 7.6 9.8 9.9 14.0 9.4 10.6 11.8 11.1 9.6	7.7 - 14								
104	105.5		Gowganda Sediments	Arkose and siltstone similar to 98.5 m. Magnetic susc lower: 2.3 3.6 1.8	1.8 - 2.3								
105.5	107.5		Gowganda Sediments	Arkose and siltstone, similar to 98.5 m. Low magn susc: 0.5 0.77 0.56 0.5	0.5 - 0.77								
107.5	110	P163587	Gowganda Sediments	Arkose and siltstone, similar to 98.5 m. Medium magn susc: 5.0 6.2 8.2 4.7 3.5	3.5 - 8.2	4	69	16		<0.2	<2	<5	<2
110	113		Gowganda Sediments	Arkose and sitstone, similar to 98.5 m. Low magn susc: 0.8 0.6 0.5 0.57 0.9 0.5	0.5 - 0.9								
113	119		Gowganda Sediments	Ditto 98.5 m. Low magn susc: 3.2 1.4 2.0 1.0 1.1 0.25 1.1 1.1 1.4 1.8 1.8 1.4.	0.25 - 1.8								
119	121.92		Gowganda Sediments	Ditto 98.5 m. Low magn susc: 0.4 0.36 0.36 0.67 0.6 1.65. Strongly fractured	0.36 - 1.65								
	121.92		EOH	End of Hole									

Novawest Resources Inc.

DDH #	PROPERTY	NTS	Twp	Lot, Conc	DEPTH	AZIMUTH	DIP	LAT	DEPARTURE
BK00-02	Bucke Pipe		Bucke Twp, ON	Lot 4, N 1/2, Conc 5 and Lot 5, N 1/2, Conc 5	171.6 m	360	89	647.8 m N	53.2 m E
INCLINATION AND TROPARI TESTS									
DEPTH	AZ	DIP	DEPTH	AZ	DIP	DEPTH	AZ	DIP	
38.1	360	89	144.8	360	88				
TOP OF WEDGES									
LOGGED BY		STARTED	COMPLETED		COMMENTS				
Peter Fischer		02-Apr-00	12-Apr-00						
DRILLED BY									
Keith Allen									

Novawest Resources Inc.
DDH # BK00-02

DEPTH (m)		SPLE #	ROCK	DESCRIPTION	Mag	Au ppb	Pt ppb	Pd ppb	Cu ppm
FROM	TO								
0	35		OB	Casing, Overburden. Clay to approximately 30 m, boulders and clay 30 - 35 m					
35	67.05		Kimberlite	General: Breccia texture, massive, 'epiclastic facies'. Made up of an ultramafic groundmass (50 %), larger olivine phenocrysts (10-20 %) and foreign lithic clasts of a wide size range and various lithologies 20-30 %). The core is generally solid, rarely fractured, in places with cm-size holes due to dissolved or washed-out, soft, lithic clasts. Description of individual aspects as follows: Colour: : Light to medium green gray to brown-green, with blackish small spots and large whitish inclusions. Groundmass: < 2 mm grain size. Made up of a soft, vuggy matrix of light gray carbonate(?) and talc (?) and small ferromagnesian phenocrysts: Altered ,dark green, round olivine, light greenish other Femag crystals (px?), minor blackish oxide, rare 0.5 - 1 mm size red-brown, fresh garnets. Larger phenocrysts: 3 - 10 mm size, same as in the groundmass but > 2mm size, up to 7 mm. Predominantly altered, round, grey and green olivine, with characteristic irregular fracture pattern and altered, light green other ferromagnesian phenocrysts (pyroxene? possibly lithic fragments?). Some rare 10 mm altered olivine phenocrysts show a web texture of blackish serp and oxide, filled with white carbonate a	0.4 - 1.7				
35	67.05	cont'd	Kimberlite	Lithic clasts: Abundance estimated at 30-40 %. Size > 3 mm to approx 20 cm, rarely up to 35 cm (88.4 m). Clasts show no preferential orientation. Mostly metasediments or bedded volcanics, based on relict bedding. Minor mafic intrusives, gabbroic, dioritic types. The shape of clasts ranges from angular to well rounded. Colour mostly light gray and light greenish, rarely dark green. Concentric colour zoning is very common, probably due to thermal reaction. Most clasts are soft, altered to talc or other phyllosilicates.Hardness variable, ranging from very soft to medium hard (carbonate) Alteration: Most silicate minerals of the groundmass and of lithic clasts are altered, soft. Olivine is likely replaced by serpentine, talc. Only oxides, garnet and rare phlogopite of the groundmass appear intact; and blackish amphibole or pyroxene of gabbroic lithic clasts. Magnetic Susceptibility, measured at 1.5 m intervals: Range 0.4 to 1.7, mostly (> 90 %) 0.6 - 0.8					
67.05	68.3		Clay	Fault? White to light gray clay with 10-20 % cm-size fragments of white lithic clast. Approximately 50 % lost core.					
68.3	105.5		Kimberlite	as to 67.05 m. Sample BK00-2-1b: 68.6 - 71.2 m, Sample BK00-2-1c: 95.7 - 98.3 m					
105.5	110.6		Kimberlite	Similar to 67.05 m, but different appearance; Different colour, different groundmass, fewer lithic clasts. Colour medium brown-green. Groundmass contains fewer (1-3%) dark green/blackish altered olivine grains. Population of lithic clasts is less, fewer clasts (10-20 %). White carbonate vein at 20 degr rel CA at 107.9 m. Gradation to following over 0.5 m	0.4 - 0.55				
110.6	120.4		Kimberlite	as to 67.05 m. Strongly fractured (2 cm intervals) from 117.9 m to 120.4 m. Contact to following not preserved, core rubbly.					

120.4	125.9		Sediments, Gowganda Fm	Siltstone, cm-bedded, dark gray. Cut by 1-3 mm white veins (carb, talc?) at 10-30 degr rel CA, i.e. 60-80 degr dip. Sediments are in part altered, chloritized, soft. Magnetic susceptibility, measured at 1 m intervals: 7.13 1.35 1.0 1.3 0.3 0.25 4.0 1.55. Sharp contact to following at 45 degr. rel CA	0.25 to 7.13				
125.9	131		Kimberlite and Sediment rafts	Intrusive breccia. Kimberlite matrix with dm- and metre-size fragments and rafts of Gowganda Fm, siltstone. Kimberlite is vuggy, soft, altered to 131 m, becoming dark green, non-vuggy at 134 m. It contains 20-25% large, rouded 5-10 mm size altered olivine phenocrysts, more densely packed, small olivine, fewer lithic clasts, no garnets. The metre-size fragments of Gowganda sediments show horizontal bedding, 80-90 degr CA, i.e. are in place. The smaller, dm-size Gowganda fragments are tilted, their bedding is at a small angle rel to core axis. Kimberlite in places fills cm-wide cracks in Gowganda Fm fragments. 10 cm clay (Fault?) at 126.5 m. m- size rafts of Gowganda sediments, strongly fractured and cut by 1-5 mm white veins, are as follows: 127.1-129.5m, 131-134.2m, 135.3-136.1 m. Contacts between kimberlite and sediments are steep, i.e. 10 - 30 degr. rel to CA, only at 136.1m contact is 70 CA. Magn susc of kimberlite 0.35 - 0.7, that of sediment ranges from 0.2 to 3.3. .	**0.2 - 3.3**				
131	144.8		Kimberlite	Similar to kimberlite matrix above, 136.2 m. colour variable: Medium brown green to 137 m, dark green gray to 145.1 m. The difference in colour is likely caused by variable colour of olivine in the groundmass, the amount of gray inter-olivine matrix, i.e. packing density of olivine. A few small brown red garnets (0.5 - 1 mm), rare 5 mm red garnets. Lithic clasts mostly < 5 mm. Larger clasts 10-20%, max. size 8 cm , 1/4 white, 3/4 gray, brownish. Rare 2-10 cm clasts of dark gray, angular Gowganda siltstone. Strongly fractured, at 2-5 cm intervals, 20 - 50 degr rel CA, mainly starting from 140.0 m. 144.9-145.1 two 3-5cm ultramafic clasts, 50-70 rel CA . Magn susc generally 0.2 - 0.3, 1.0-1.2 126-128m. contact to following 60 CA.	0.2-12.				
144.8	146.6	P163588	UM	Metre-size ultramafic (?) inclusion in kimberlite. Soft, colour blackish green, grain size vfg, massive, dense, locally vague 0.5 mm igneous texture. Scattered 1 mm magnetite veins with clay 145.4-146m. A few roundish pyrite patches, 1-10 mm size. Sample P163588 represents a 10 cm grab sample at 145.5m	1.3 - 28.1	12	<5	4	1055
146.6	148.1		Bxtd Basalt, minor sediment	Metre-size inclusion in kimberlite. Similar to unit above (UM) but interpreted as mafic (not UM) rock, based on distinctly lighter colour, greater hardness and much lower magnetic susceptibility. Brecciated mafic volcanic. Massive, homogeneous, fine grained (0.1-0.5 mm), relict igneous texture. Some 5-10 cm lithic clasts are dark gray, silty sediment with mm-bedding. Volcanic mainly as jig-saw-fit breccia with 10-20 % white, vuggy clay/talc matrix and minor kimberlite component: small round blackish olivine phenocrysts. Bedding of sediment clasts and orientation of volcanic slab-shaped clasts 45 degr rel to CA. Sharp gradation to following by appearance of kimberlite matrix between mafic volcanic clasts.	0.36 - 0.55				
148.1	150.6	P163589	Kimberlite Breccia	Approximately 60 % UM and mafic lithic clasts in 40 % kimberlite matrix. Similar to unit above (148.1 m) but more matrix. Matrix clearly kimberlite. Several mm to 10 mm wide veins filled with fine grained kimberlite and scattered mm-patches of pyrite with minor black, non-magnetic oxides. 45 degr CA orientation of white slab-shaped clast @ 150.6m. Core strongly fractured, rubbly. Grades to following by fewer clasts. .	0.3 to 0.8				222

150.6	165.1		Kimberlite	Kimberlite Type A 9. Groundmass very fine grained, dark brown green. Overall colour dark green gray to 161.5m , medium green gray downhole. Similar to 110.6 m. Common fresh, mm-size clear, green olivine phenocrysts in ground mass. Red brown garnet as common, 0.5 - 5 mm grains, in part rimmed by black oxide. Rare small phlogopite grains (<1 mm). 5-10 % light gray lithic clasts > 5 mm size. Altered, soft, vuggy kimberlite 158 - 160 m. Fractured from 155.5 m, 10-25 degr rel CA. 50 % cm-size, mafic vfg lithic clasts 164.6 - 165.1m. Magn susc at 1 m intervals from 151m: 0.23 0.4 .35 .52 1.3 4.7 2.76 2.4 4.23 3.25 3.9 5.8 0.95 0.45. No explanation for increase of magn susc at 155 m and decrease at 163m. Contact to following unit as 5 cm breccia zone at 70 degr CA, i.e. 20 dip. Core rubbly.	0.2 to 5.8				
165.1	171.6	P163590	Sediments, Gowganda Fm	Dark gray siltstone, locally bedded (70 degr CA). Jig saw puzzle breccia to 167 m. cm size, angular fragments in 1-10 mm wide matrix veins filled with soft white talc, chlorite, serp. (?) and locally 20 % py over 5 cm. Sharp decrease of breccia matrix at 167 m, replaced by hair line fracture network. Magnetic susc, at 1 m intervals: 2.1 0.35 1.2 1.95 5.0 6.1 3.1 1.95. Core strongly fractured at 1-2 cm spacing. Preferred fracture orientation 50-60 degr CA.	0.35 to 5.0				86
	171.6		EOH	End of Hole					

Novawest Resources Inc.

DDH #	PROPERTY	NTS	Twp	Lot, Conc	DEPTH	AZIMUTH	DIP	LAT	DEPARTURE
BK00-03	Bucke Pipe		Bucke Twp, ON	Lot 4, N 1/2, Conc 5 and Lot 5, N 1/2, Conc 5	245.4 m	360	89	684.5 m N	70.2 m E
INCLINATION AND TROPARI TESTS									
DEPTH	AZ	DIP	DEPTH	AZ	DIP	DEPTH	AZ	DIP	
33.5		89.5	228.6		86.6				
TOP OF WEDGES									
LOGGED BY		STARTED	COMPLETED		COMMENTS				
Peter Fischer		Apr14/00	Apr 20/00						
DRILLED BY									
Keith Allen									

Novawest Resources Inc.
DDH # BK00-03
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DEPTH (m)		SPLE #	Min	ROCK	DESCRIPTION	Mag
FROM	TO					
0	34.4			OB	Casing, Overburden. Clay to approximately 30 m, boulders and clay 30 - 34.4 m	
					Note: Kimberlite is decribed using a code. See appended Kimberlite legend	
34.4	89.3			Kimberlite	**Type A 1.** Clast types: a b c d e f i . Total lithic clasts 15-20%, size mm - 8 cm. Phenocryst types: alpha, gamma, delta, epsilon, all accessory, < 1%. No flow fabric . Sharp gradation at 89.3 m. Magn Susc, at 10 ft intervals, starting at 120': 10.6 9.7 10.3 6.4 11.5 8.7 12.2 9.3 11.2 12.0 9.8 9.4 8.8 10.2 7.0 9.9 8.0 7.0	6.0.- 12.0
89.3	92			Kimberlite	**Type A2.** Clast types: a b c d i j, total lithic clasts 15-20% mm - 5 cm. Phenocrysts: alpha, epsilon trace only. This type seems intercalated with type A!, as to 89.3 m. Type A2 seems to be a local, spotty alteration of A. No flow fabric. Sharp gradation to following.	0.9
92	121.9			Kimberlite	**Type A1/A4** Clast types: a b c d e f h i j, clasts 5-10%, size mm - 3 cm, rarely 3-8 cm. Phenocryst types: alpha, minor gamma, delta epsilon, all trace. At 120.7 m a box-shaped 15 x 7 mm garnet crystal, red-brown colour, with thin black rim.No flow fabric. Magn Susc, at 10 ft intervals: 6.0 6.5 6.4 4.7 1.2 5.4 5.5 7.7 6.9 4.9 9.1. Sharp gradation	1.0 - 7.7
121.9	124			Kimberlite	**Type A2/A1**, similar to 92.0 m Core solid, rare fractures, 10-30 degr CA. Lithic clasts: 20-25 %. Size mm to 2 cm, 50% type d and i (beige sed). No flow fabric. Sharp gradation.	4.0 - 9.0
124	157.9			Kimberlite	**Type A1/A** Clast types: a b c d e f h i j. Phenocryst types: alpha gamma delta epsilon Clasts 5-10 %. NFF. Sharp gradation within 30 cm. Core solid, rare fractures 10-30 CA Magn susc, at 10 ft intervals starting at 407 ': 9.1 3.6 8.0 8.5 8.0 8.9 13.6 6.7 10.0 8.8	3.6 - 13.6
157.9	166.1			Kimberlite	**Type A2/A1. Clast types:** a b d i j. Phenocryst types: alpha gamma epsilon, all trace. Clast: 20-30 %, size mm - 4 cm. No flow fabric. Core solid, rare fractures, 10-45 CA Sharp gradation over 0.3 m. Magn Susc, at 10 ft interv, starting at 520 ': 1.8 2.3 2.5	1.8 - 2.5
166.1	210.3			Kimberlite	**Type A1/A4 (A5).** Clast types: a b c e (h i j). Clasts 15 - 20 %, size mostly mm to 2 cm. 5% 2-10 cm (white, type a, b) Phenocryst types: alpha, beta, delta, gamma, epsylon. At 190.2 m 1 cm olivine enclosing 1-2 mm garnets. Cluster of 1-5 mm garnets at 198 m. No flow fabric. Gradation to following over 0.5 m, gradual colour change Magn Susc, at 10 ft intervals: 2.5 1.4 1.7 1.9 1.7 2.6 2.5 3.1 2.55 2.9 2.3 2.0 1.6 0.9 1.25 1.6	0.9 - 3.1

210.3	228.3			Kimberlite	**Type A 4.** Clasts types: a b c e (h l j). Clast 15-20% size mm - 1 cm, 5-10% 2-8 cm (white, a, b) Phenocryst types: alph, beta, delta gamma epsylon, mostly trace. No flow fabric. 227-228 m 30% 10-30 cm white carbonate clasts. Sharp contact to following at 60 degrees CA.	0.7 - 3.3
228.3	228.9			Limestone	white limestone, with recognizable fossil (coral?). Vuggy, brecciated. Sharp contact	
228.9	230.7			Kimberlite	**Type A 4.** Clast types: a b c e (h l j), k. Phenocryst types: alpha, (beta), delta, gamma. No flow fabric.	
230.7	232.2			Limestone	White limestone/dolomite, brecciated. Angular white and light gray limestone clasts in white and light greenis carbonate matrix. Locally weak clast orientation 45-60 degrees CA. Sharp irreguar contact to following 70 degr. CA	0.06
232.2	243.8			Kimberlite	**Type A 4** . Similar to 228.3 m. Clasts 5-10 %, including 1-5 cm blueish green ultramafic (?) clasts. No flow fabric. At 242.8 m a 20 cm size light gray dolomitic sediment inclusion.	0.6
243.8	245			Limestone	white and light gray, greenish limestone/dolomit, brecciated. Core in part rubbly. Sharp irregular contact to follwing 70 degr CA	0.1
245	245.36			Kimberlite	**Type A 4.** Similar to 228.3 m	0.4
				EOH	End of Hole	

Novawest Resources Inc.

DDH #	PROPERTY	NTS	Twp	Lot, Conc	DEPTH	AZIMUTH	DIP	LAT	DEPARTURE
BK00-04	Bucke Pipe		Bucke Twp, ON	Lot 4, N 1/2, Conc 5 and Lot 5, N 1/2, Conc 5	234.7 m	360	89	684.5 m N	40.2 m E
INCLINATION AND TROPARI TESTS									
DEPTH	AZ	DIP	DEPTH	AZ	DIP	DEPTH	AZ	DIP	
36.6 m	360	87.5	205.7 m	360	89.5				
TOP OF WEDGES									
LOGGED BY		STARTED	COMPLETED		COMMENTS				
Peter Fischer		Apr 24/00	May-1/00						
DRILLED BY									
Keith Allen									

Novawest Resources Inc.
DDH # BK00-04

DEPTH (m)		SPLE #	Mln	ROCK	DESCRIPTION	Mag
FROM	TO					
0	34.75			OB	Casing, Overburden. Clay to approximately m, boulders and clay	
					Note: Kimberlite is described using a code. See appended Kimberlite legend	
34.75	84.1			Kimberlite	**Type A 3** Clast types: b c d e f g k. Clasts 5-10 % Phenocryst types: alpha, beta, gamm (trace delta, epsylon), phenocryst abundance 3-5%. Large olivine phxt, 2-4 cm @ 53.3 m. Flow fabric 10 degr CA @ 49.4 m, 45 degr CA @ 52-53 m, 79 m 50-70 degr CA. Magn susc at 10 ft intervals: 5.9 7.1 10.4 10.1 8.5 4.6 10.0 15.5 11.5 15.1 8.7 11.7 12.9 11.8 11.8 11.2 Sharp gradation over 0.3 m by sharp decrease of large olivine phenocrysts and lithic clasts.	4.6 - 15
84.1	86.6			Kimberlite	**Type A 3 .** Clast types b e g, clasts 2-5%, size mm - 2 cm. Phenocryst types alpha, epsylon, trace. This kimberlite type has almost no lithic clasts, only small olivine phxts, very rare large olivines. Very homogeneous. No flow fabric. Sharp gradation to following. Magn Susc. at 280 ft (85.3 m) 18.7	18.7
86.6	98.4			Kimberlite	**Type A 3.** Core fairly solid, hard, not water-adsorbent, not fractured. Clast types: b c d e f g k. At 93.0 m 5 cm ultramafic, zoned lithic clast, pale green. Clast abundance 5-10 %, size 0.5 - 7 cm. Phenocryst types alpha, beta (3-5%), gamma, delta, (epsylon). No flow fabric. Gradual change to following. Magn Susc, at 10 ft intervals: 13.5 10.3 6.7 9.1	6.7 - 13.5
98.4	108.2			Kimberlite	**Type A 3.** Core fairly solid, hard, not fractured, not water-adsorbent. Overall colour lighter than to 98.4 m. Clast types: a b c d e f g. Clast abundance 10-15%, size 0.5 - 5 cm. Phenocryst types alpha, beta (3-5%). Olivines are not black rimmed. No flow fabric. Magn Susc, 13.0 9.8 10.5. Gradation to following.	9.8 - 13
108.2	117.3			Kimberlite	**Type A 3.** Core fairly hard, solid, not fractured. Overall colour darker than to 108.2 m. Clast types a b c (e f), 10-15%, 0.5 - 8 cm size. Phenocryst types alpha, beta (5-10%), delta, epsylon trace, dark green gray. No flow fabric. Magn susc at 10 ft interv. 14.3, 11.4 11.0. Gradual change over 1 m, dark olivines becoming lighter.	11-14.3

117.3	182.3			Kimberlite	**Type A 5.** Core solid, fairly hard, not water-adsorbent. Overall colour slightly lighter than to 117.3 m. main difference: No large, black-rimmed olivines. Clast types: a b c (d e f h) 10-20%, size 0.5 - 10 cm. At 134 m a 30 cm size dense, white limestone clast. Phenocryst types: alpha, (beta, gamma, delta, epsylon). 155.4-161.5 m 10% holes in the core, i.e. very soft, dissolved gray clay-carbonate lithic clasts.. Magn Susc, at 10 ft intervals: 9.6 10.8 8.4 3.5 3.1 1.0 1.8 1.4 1.5 5.6 1.7 1.2 0.9 0.9 1.5 0.9 0.9 0.8 1.6 1.5 1.0. No flow fabric. Sharp gradation to following by onset of abundant fractures.. i.e. rubbly core.	gen 0.8 - 3.0, max 10.8
182.3	184.7			Kimberlite	**Type A 5/A 6.** Core strongly fractured, in part rubbly. Colour medium green-gray. Start of type A 6 at 184.7 m by brown patches in matrix. Clast types: a b c (d e f g). Phenocryst types, rare: beta, gamma, delta, epsylon. Decrease of fracturing at 184.0 m	
184.7	187.7			Kimberlite	**Type A5/A 6.** Core solid, hard, not water-adsorbent. Color medium green-gray. Clast types similar to 217.m. No flow fabric. Magn Susc 2.1 at 183 m	2.1
187.7	190.2			Kimberlite	**Type A 6.** Similar to 184.7 m but strongly fractured, crushed, rubbly. Fracture orientation 10-20 degr rel CA. No flow fabric. Magn Susc 0.6, 4.2. Sharp gradation to following by decrease of fracturing.	0.6 - 4.2
190.2	217			Kimberlite	**Type A 6.** Core solid, fairly hard, moderately fractured, 40-70 degr CA. Colour medium green-brown-gray. Clast types: (a) b c (d) e (f g h). Clast abundance 10-20 %, size 0.5 - 5 cm. Phenocryst types alpha, (beta) gamma, delta, epsylon,(trace). No flow fabric. Sharp gradation over 0.3 m by increase of fracturing	4.2 - 6.2
217	219.9			Kimberlite	**Type A 6.** As to 190.2 m: Core rubbly, crushed. Fault zone. Type A 6 to 219.4, type A 7 219.4 - 219.9 m. Magn Susc high:15.7 at 219.1 m. Sharp gradation to following by decrease of fracturing.	15.7
219.9	234.7			Kimberlite	**Type A 7.** Core hard, solid, not water-adsorbent. Overall colour medium brown, few white inclusions. Most inclusions are dark green. Clast types: (b) c (d e) g, clast abundance 5-10 %, size 0.5 - 4 cm. Lithic clast mostly ultramafic and vuggy sediments or altered UM. Clast commonly show a brown, phlogopite-rich (?) reaction rim. - Phenocryst types alpha, beta 10-20 % , gamma, epsylon trace. 20 % round, 1 - 20 mm dark green olivine phxts. No garnet , rare oxide phenocrysts. Locally weak flow fabric, alignment of olivines and clasts, 10 - 40 rel CA. Magn Susc at 10 ft interval.: High values: 13.8 11.9 14.1 15.8 13.7	11.9 - 15.8
				EOH	End of Hole	

Novawest Resources Inc.

DDH #	PROPERTY	NTS	Twp	Lot, Conc	DEPTH	AZIMUTH	DIP	LAT	DEPARTURE
BK00-05	Bucke Pipe		Bucke Twp, ON	Lot 4, N 1/2, Conc 5 and Lot 5, N 1/2, Conc 5	245.3 m	360	89	696.5 m N	28.7 m E
INCLINATION AND TROPARI TESTS									
DEPTH	AZ	DIP	DEPTH	AZ	DIP	DEPTH	AZ	DIP	
36.5 m	360	88	204.2	360	86.5				
TOP OF WEDGES									
LOGGED BY		STARTED	COMPLETED		COMMENTS				
Peter Fischer		May 02/00	May 10/00						
DRILLED BY									
Keith Allen									

Novawest Resources Inc.
DDH # BK00-05
PAGE 2

DEPTH (m)		SPLE #	Min	ROCK	DESCRIPTION	Magn. Susc.
FROM	TO					
0	36.3			OB	Casing, Overburden. Caly to approximately 30 m, boulders and clay	
					Note: Kimberlite is described using a code. See appended Kimberlite Legend	
36.3	60.35			Kimberlite	**Type A1 / A2 a b c e g alpha beta gamma (delta epsilon), FF** Core fairly soft, solid, rare fractures, water-adsorbent. Core solid. Rubbly from 48.7m - 50.3m. Overall colour medium brown gray. **Clast** abundance 25%, mostly whide-light gray sediments, 5-8% gabbro-diorite, minor feldspathic horblendite, beeded tuff, white marbel. At 48.5 m 1.5 cm clast, UM enclosing two 1.5 mm red-purple garnets. **Phenocryst** types: <1% oxide, 2-3 mm. At 40.8m 5 mm red garnet, rimmed. at 57m 2 mm red garnet, 2mm at 59.7m large (30x15 mm) olivine phenocryst. **Flow fabric** common (degrees rel to core axis): 36.3 - 46m 35 to 50, 46 - 50.3 m 15 - 30 CA, 50.3 - 56m 45 - 60 CA, 56 - 59m 10-30 , 59-60.35m 30-65 degr CA. **Magn Susc** at 5 ft intervals: 0.6 0.6 0.64 0.59 0.47 0.72 0.47 0.66 0.55 0.46	0.47 - 0.66
60.35	63.1			Sediment	White chalky sediment with mjnor kimberlite 61.25 - 61.7m. Sharp contact at 25 degr CA	
63.1	71.6			Kimberlite	**Type A2.** Similar to 60.35 m. Core soft, very water-adsorbent, rare fractures. Colour: Common (10-15%) 1-3 mm brown spots/patches. **Clasts:** as to 60.35m, mainly white and light gray sediment. Approx 3% gabbro/diabase, rare UM, common (2%) black hornblendite. **Phenocrysts:** rare. 3x4 mm brown garnet at 65m. **Flow fabric,** degrees rel to CA, is distinct: 50 at 63.7m, 60 at 64.9m, 0 to 10 at 65-66m, closure of flow fabric, 20 at 67m, 70 at 69m. **Magn Susc** at 5 ft intervals: 0.8 0.56 0.95.	0.56- 0.95
71.6	80.8			Kimberlite	**Type A 2.** As to 71.6 but core is very vuggy, 5-10% 1-10 mm holes due, probably, to dissolved calcareous/clay rich lithic clasts. **Clasts:** Mainly white and light gray sediments; washed-out/dissolved soft calcareous/clay rich sediment, (e) common subophitic gabbro/diabase.(l) at 75.2m a 4 cm size kimberlite autolith, vfg. **Phenocrysts:** At 72.5m 8mm brown-red garnet, 73.4m 3mm oxide, 75m 5mm red garnet, 77.1m 8mm boxy altered red garnet, small fresh core thick light gray rim (glass?). **Flow fabric, degrees rel** CA: 72.5 0-20, 73.4-74.4m 10-20, 74.7m 40, 75.9m 60, 76.2m 45-50, 78.3m 30, 78.9m 45-50. **Magn Susc** at 5 ft intervals: 5.0 4.48 5.74. Sharp gradation over 0.3 m	4.5-5.7

80.8	95			Kimberlite	**Type A 2 a b c e l alpha beta (delta epsilon)** Core soft, water-adsorbent, rare fractures. Colour light-medium green-gray, with brown spots, brown rims around small clasts. **Clasts:** a b c e, size mm to 8 cm. Clast population similar to 71.6 m 5-10% subophitic gabbro/diabase, 5-10% white sediment and marble, minor bedded light gray sediment, UM (websterite and lherzolite, black hornblendite), alterd, purple porphyritic volcanic. 127.4-131m three kimberlite autoliths, vfg, sharp outlines. At 129.2m 4cm UM, websterite with chrome diopside. **Phenocrysts**: Very rare garnet, oxide. Common olivine. **Flow fabric** degr rel Ca: 45 at 82.2m, 15-40 at 82.9m, 15-20 at 83-84m, 15-40, with 'swirls' at 84-85 10-30degr with 'swirls' 88-89m, 70-80 at 89.3m, 50 at 91m, 50-70 at 92m, 0-30, with closure, at 93m, 60-70 at 93.3m, 15-40 at 94m, 45-60 at 95m. **Magn Susc** at 5 ft intervals: 1.33 4.6 6.4 8.0 8.8. Sharp gradation to following over 0.3m	1.3 - 8.8
95	132.6			Kimberlite	**Type A 3 (a b) c g e (l) alpha beta gamma delta ita thita, FF** Core solid, rare fractures, slightly water-adsorbent. Colour medium green-gray, dark-rimmed olivine (beta) There is some variation in colour of groundmass and dark rimming of olivine. Groundmass has very fine dusty oxide grains. **Clasts:** Mainly UM (gamma) 3/4, and 1/4 mafic intrusives (epsilon), <1/4 sediments (a, b). Notable clasts: 96.3m 1 cm UM enclosing 2 garnets; 96m 2 clasts of pink garnetite, hard, with trace green cpx chrome diopside; 97.2m 4-5cm harzburgite? cg oliv, px; 127.4 - 131m three vfg kimberlite-autoliths, 2-7 cm size, sharp outlines. At 129.2m 4 cm UM websterite with fg chrome diopside. **Phenocrysts:** Mainly small oliv , some (10-15%) large oliv, trace px and garnet phenoxts, trace chrome diopside trace oxide. Notable grains: 102.1m 4mm oxide; 103.3m 1.5mm light pink garnet; 106.7m 3mm fresh opx grain; 112.8m 2x3mm dk brown garnet with thick black rim (glass?); 113.7m and 127.4m 3-5mm oliv grains enclosing 0.5-1mm chrome-diopside grains; 129.8m 5mm oxide; and 3mm garnet with black rim. **Flow fabric,** deg	6.0 - 17.0
95	132.6 cont'd			Kimberlite	**Flow fabric, degrees, rel to CA:** Flow fabric is common and variable within 1 m. 'Swirls' and closures common. 95-96.3m 30-70; 96.5-97.3m 10-30; 98m 60; 98.5 m closure=0 degr; 99.4m 30; 102-103m 70; 104.5-106m 20-70;108m 70-80; 112.8- 120m 60-80; 120-130m 50-80; 131m 10-20; 132m 30-60. **Magn Susc** at 5 ft intervals: 6.3 5.9 12.1 24.3 9.8 12.3 11.5 17.2 13.2 17.6 13.8 17.3. Gradation to following by occurrence of 2 cm brown patches (phlogopite in matrix?)	
14.3 -	138.7			Kimberlite	**Type A 6 / A 7 (a b) c e g alpha beta (delta epsilon) ita, FF** Core solid, fairly hard, rare fractures. Colour greenish, mottled, with 30% 2-3 cm size brownish patches. **Clasts:** 15%, mainly UM, soft clay, diorite. 135.6-137.1m 3-5 cm brown intrusive clasts (diorite); at 135m 5cm UM dunite, with trace chrome diopside; at 136.2m 10cm kimberlite autolith rimming a 5cm lithic clast; at 138m two 2cm kimberlite autolith inclusions, round, vfg, no phenocrysts, sharp outlines. **Phenocrysts** 5-10%, mainly olivine, 1-10mm; oxide, rare garnet. At 136.2m 5x10mm drop-shaped oxide; at135.1m trace garnet in 3mm olivine and trace chrome diopside in 1cm UM clast. ; at 137.1m 3x6mm red garnet with thin black rim. **Flow Fabric** common, degr rel CA: 50-65 at133-134m; 30-45 at 135m; 50-60 at 135.6-137m; 30-50 at 137-138m (weak fabric). **Magn Susc:** 21.3 at 134m, 14.3 at 137m.	14.3 - 21.3

138.7	153.9			Kimberlite	**Type A 7 a b c d e g (l) alpha beta (gamma epsilon zeta) FF** Core hard, not water-adsorbent, rare fractures. Colour brownish (phlogopite-rich). Matrix ultramafic and olivines make up 85-90% of rock. Only 10-15% light gray (carb-talc-serp). Thickness of brown phlogopite rims of olivines varies strongly (< 1mm oliv of matrix). **Clasts:** Total 10%, cm-size. 1/2 soft, vuggy carb and clay, light green gray. 1/4 ultramafic, 1-3 cm , very coarse oliv or harzburgite. Other: Altered diorite, norite?/gabbro. At 146.3m 2 cm kimberlite autolith vfg.; at 149m 5cm kimberlite autolith, vfg, no larger oliv phenoxts. **Phenocrysts:** Total 10%, mainly large olivines 1-10 (15) mm Other: rare oxide, opx or phlogopite, no garnets. 4 large oxide grains, 6mm to 20mm, oval to drop-shape At 150.6m two large olive phenocrystsa) 11mm and b) 25 mm. **Flow Fabric,** degr rel to CA: Common, nearly continuous: 50-60 at 139m; 60-70 at 141m; 20-40 at 143m weak; 50-60 at 144-145m; 20-50 at 145-148m; 50-70 at 148-151m; 40-60 at 151-153 strong FF. **Magn Susc at 5 ft intervals:** 15.3 15.5 18.0 16.6 15.0. Sharp gradation over 0.5 m by appe	15 - 18
153.9	175.2			Kimberlite	**Type A6/A3 (A7) a b c e g l alpha beta (epsilon)** Core solid, slightly vuggy, soft, rare fractures. Groundmass mottled brown (A7) and greenish (A6). Interpretation of brown 2-10cm patches: Centered around a 1cm clast. Phlogopite-rich autoliths in a different, phlogopite-poor kimberlite? **Clasts:** 10-15% Mostly carbonate-clay clasts (as holes)and large olivine phenocrysts; dense serpentine, 1-3% cm white dolomite clasts.At 154.2m 4cm UM, fg px-phlogopite; at 159m 2cm kimberlite autolith, vfg; at 161.8m 3cm harzburgite and 4 cm feldspathic diorite; at 163m and 167.3m and 170.6m 5cm kimberlite autolith, sharp boundaries. **Phenocrysts:** Mostly olivines, 1-30 mm size; no garnets; 3-5 mm oxide grains at 165.2m, 167.8m, 173m. **Flow Fabric** degr. rel CA: Common but weak fabric. Mostly 50 to 80 rel CA. Exceptions: 15-30 at 161.5-162.7m; 169.8-170.4m; 80-90 at 162.7-163.7m. **Magn Susc,** at 5 ft intervals: 22.7 24.8 17.5 17.1 22.4 25.4 21.0 20.4 22.7 15.9 22.8 24.6 21.5 18.3. Grading to following over 0.5m	15.9 - 25.4
175	183.5			Kimberlite	**Type A3 / A6 a b c e g (l) alpha beta (delta) FF.** Core solid, not water adsorbent, rare fractures. Grading from above by - fewer brown, phlogopitic patches, olivines have dark rim, colour is medium to dark green. **Clasts:** Few, 10-14%, mainly very soft, vuggy carbonate (?), minor dense light green serpentine, altered diorite/gabbro, white dolomite, coarse dunite/harzburgite At 176m 3cm round kimberlite autolith; at179m 3cm angular diorite clast with 3mm vfg kimberlite autolith rim. **Phenocrysts:** Mainly olivines, 1-5 mm size. soft, , forming holes. Garnets are rare: at 180m 2 mm red garnet, partially preserved; at 182.6m 1mm purple garnet (pyrope) enclosed in a large, 2-3cm clast of dunite; at 176.1m 3mm oxide; at 177m 2cm olivine; **Flow Fabric** degr. rel CA: Common, weak. 70-75 at 175-177m; 50-70 from 178 to 180; 10-3- from 180-181m;60-70 from 181-183m **Magn Susc** at 5 ft intervals: 18.3 21.0 18.3 20.4 25.4 25.4 24.3 . Sharp gradation over 10-20cm to following	18 - 25.4

183.5	186.2			Kimberlite	**Type A7 / A6 a b e f g (I) alpha beta FF.** Core solid, hard, not water-adsorbent, rare fractures. Colour brownish, groundmass phlogopitic. Similar to above, except different groundmass. Clast: as above: 10-15%, 0.5-3cm, mainly light gray sediment, white dolomite, mafic-UM. Phenocryst: Mainly small olivine 1 (2) mm. 183.5-186m olivines 2-20 mm size. 1% black vfg sediment (?), minor gabbro/norite, minor fg felsic-intermediate volcanics, 2% cm size kimberlite autoliths. **Flow Fabric,** degrees rel CA: Strong 50-60 degr. **Magn Susc:** 16.6 at 605ft, 19 at 610ft. Sharp Gradation to following	16.6 - 19.0
186.2	205.7			Kimberlite	**Type A3 (A6/A7) (a b e) g (I) alpha beta FF** Core solid, fairly hard, rare fractures, not water-adsorbing. 204 - 205.7m core vuggy, washed out 1-5 mm olivines, common fractures 20-30 degr CA. Groundmass very fine, 0.1 - 0.5 mm olivines. **Clasts:** Few clast, 5-15%, small <1-2cm, rare 3-5 cm. 80-90% of clasts are UM, mafic (gabbro, pyroxenite), white dolomite, few sediment clasts, minor autoliths. Clasts have commonly mmtocm wide vfg autolith rims. 186m-189m 1-2% vfg kimberlite autoliths, round, 0.5-5cm, commonly with a core of a clast or a large olivine. Brown phlogopitic matrix patches have very sharp boundaries and are interpreted as inclusions. There are 2 types a) vfg, gray uni-modal olvine, b) phlogopitic matrix. At 193.8m 2.5cm autolith, vfg uni-modal olivine, type a). At 197.8m 2cm spherical autolith with unimodal olivines; and 4cm round UM clast mg px and black hbl = cortlandite? ; at198.4m 4.5cm spherical vfg autolith, unimodal oliv, with weak concentric zoning, with a 4 mm UM clast as a core. Common (0.5-1%) 1-3mm black clasts, non-magnetic, hard, oxide?; at 201.8m 5x3cm	16.3 - 26.6
186.2	205.7 contin'd			Kimberlite	at 201.8m 5x3cm concentrically zoned autolith; at 202.7m 2.5cm mm-banded sediment with vfg opaques, cherty (IF?); 203.3m 2x4cm autolith; at 203.9m 2x4cm UM, pyroxenite? Boxy, zoned, dak core, light gray rim. **Phenocrysts:** Mainly large olivine, 1-3 cm. **Flow Fabric,** common , weak, degrees rel CA: 187-192m 50-70 degr; 20-30 at 192m, 60-70 at 193m; 20-60 at 193-196.6m; 45-70 to 205m. **Magn Susc,** at 5 ft intervals: 23.8 25.1 23.2 26.6 26.4 24. 16.3 24.7 20.6 21.0 26.2 27.5 22.0. Gradation to following over 1 m.	
205.7	245.3			Kimberlite	**Type A8 / A3 (a b) c e g i (I) FF** core fairly hard, solid, rare fracture 10-45 rel CA. Similar to above but very few brown patches of A6/A7. Groundmass light gree, 0.1 - 1.0mm dark green and dark-rimmed olivines. Vfg light brown phlogopite rimming small olivines. Phenocrysts mainly olivines , rare brown, altered garnet and oxide. Few 1-10 mm white calcite veins. Few clasts, 5-15%, mostly UM, serp., subophitic mafic intrusives, very rare sediments, 1% white, crystalline marble> **Clasts:** Few clasts, 5-15%, mostly UM, gabbro/diorite. Individual clasts: At 206.3m round kimberlite autolith, 2cm, vfg; at 208.5m 6cm fg dunite/harzburgite; at 209m cgharzburgite clast 3cm, enclosing 1 mm lavender garnet (pyrope); at 214m 6cm brown phlogopitic autolith (A7); from 213.4-219.4m only mafic (UM) clasts, mainly gabbro; 220m thin slabs/plates of vfg autolithic kimberlite, 0.5x8cm; at232.2m gabbro/diabase, 6cm and 2x4cm bedded siltstone; at234.4m subophitic diabase clast, 7cm; at 234.7m sediment clast, 7cm size, with strong, dk green concentric rim; at 237.1m autolithic kimberlite 2 clasts, vfg, 1cm, brown; at 241.4m and 244.7m embayed, vfg kimberlite autolith, 5cm.	14 - 24.4

205.7	245.3 contin'd			Kimberlite	at 241.4m and 244.7m embayed 5cm vfg brown kimberlite autolith. **Phenocrysts**: Mainly olivine (20% 1-10mm), mionor garnet, oxide. Individual grains: 208.8m 2mm bwn garnt; 209m 1mm lavender garnet in UM clast; at 210m 3x5,, red garnet with black rim; at 211.5m 2x10mm oxide; 215.8m 2x7mm rimmed garnet and 1x2mm oxide; 218.8m two lens-shaped 3x20mm rimmed red garnes; 220m 2x4mm rimmed brown-red garnet; at 223.7m 7 x 34mm fresh red garnet, oval, with black rim; at 225.2m a 3mm purple garnet enclosed in 5mm UM or large olivine; from 227.4-230.7m two 3x5mm boxy red and brown garnets, rimmed, 2x4mm oxide, 10x6mm red garnet with black rim; 240m 5mm oxide grain; 242.6m rimmed red garnet; 20x4mm pencil-shaped; 245m 2mm rimmed red garnet.	14 - 24.4
205.7	245.3 cont'd			Kimberlite	**Flow Fabric:** degr rel CA, very common, weak: 206-210m 50-70 degr; to 213m 30-50 degr; 50-60 degr to 216m; 30-45 degr to 217m; 40-70 degr to 220m; 10-30 degr to 222.5m; 50-80 degr to 228.9m; 30 degr to 229.5m; 50-60 degr to 240.8m; 20-40 degr to 241m; 50-70 degr to 242.3m; 30-60 degr. to 245m. **Magn Susc,** at 5 ft intervals: 22.2 20.8 16.9 23.2 20.3 24.7 16.6 18.9 19.6 22.3 19.6 20.6 20.9 19.5 21.3 20.3 19.0 21.7 19.3 20.8 16.8 18.1 15.1 13.7 14.2 14.6.	14 - 24.4
	245.3			EOH	End of Hole	

Novawest Resources Inc.

DDH #	PROPERTY	NTS	Twp	Lot, Conc	DEPTH	AZIMUTH	DIP	LAT	DEPARTURE
BK00-06	Bucke Pipe		Bucke Twp, ON	Lot 4, N 1/2, Conc 5 and Lot 5, N 1/2, Conc 5	303.9 m	90	45	685.0 m N	60.0 m W
INCLINATION AND TROPARI TESTS									
DEPTH	AZ	DIP	DEPTH	AZ	DIP	DEPTH	AZ	DIP	
TOP OF WEDGES									
LOGGED BY		STARTED	COMPLETED		COMMENTS				
Peter Fischer		May 11/00	May 19/00						
DRILLED BY									
Keith Allen									

COMPANY **Movawest Resources Inc.**
DDH # **BK00-06**
PAGE 2

DEPTH (m)		SPLE #	Min	ROCK	DESCRIPTION	Mag
FROM	TO					
0	57.7			OB	Casing, Overburden. Caly to approximately 30 m, boulders and clay	
					Note: Kimberlite is described using a code. See appended Kimberlite Legend	
57.7	86.25			Diabase	Nipissing Diabase. Core in upper half moderately to strongly fractured. Lithology: Olivine-two-pyroxene gabbro. Massive, medium grained, fresh. Grain size 0.5-1mm (2mm), colour medium gray. Subophitic, well preserved texture. 50-60% ferromagnesian minerals (cpx, opx) 3 % olivine, 40-50% plagioclase, accessory oxide. **Fracturing (fractures/m): to 59m** weak-moderate, 8-10 fr/m; to 69m moderate, 10-15 fr/m; 69m to 72.5m strong, 15-30fr/m, including several 0.3m crushed zones, 1-3cm bxia veins, at 1-2 m intervals; 72.5-73.5m weak, 5-8fr/m 45-50degr rel CA; 73.5-80.8m rare fractures, 3-5 fr/m; 80.8-80.9m carbonate vein with 3% black opaques (assay > 1 % Mn); 80.9-86.2m rare fractures, 5-8 fr/m, a few 1-5mm carb veins; **Contact** to following kimberlite preserved: Sharp, 15 degr rel CA, associated with 5 mm carb vein. Contact dips 60-70 degr East, rel to horizontal. No chill phase in diabase. **Magn Susc** at 5 ft intervals: 6.9 5.8 2.7 12.8 2.1 12.8 6.0 8.9 2.15 0.5 12.9 11.4 13.3 11.6 16.0 9.9 12.1 13.5 13.5 9.7.	2.0 - 16
86.25	94.5			Kimberlite	**Type A 16 a b (e) alpha beta (delta, epsilon) zeta, FF .** Core solid, not water adsorbent, weak fracturing. Colour medium green. Groundmass appears dense, fine grained. **Clasts:** High clast population of 30-40%, > 1/2 < 1 cm size, 14-1/2 > 1 cm size, rare 30-50 cm. Mainly (>1/2) sediment, white and light green, 1/4 gabbro/diorite, 1/4 ultramafic and other. At 90.8m 20cm diabase clast; 93m 35 cm diabase clast contacts 60-70 degr rel CA, irregular. **Phenocrysts:** 3-5%, olivine, altered and fresh, 1-10 mm size, phlogopite, opx?, minor garnet (red) and oxide; at 94.2m 10mm altered olivine. **Flow Fabric,** degrees rel CA: Common, moderate and weak. 86.2-86.9m 20-30 degr.; 86.9-88.4m 30-50 degr; 88.4-90.5m no flow fabric; 90.5-91.7m 30-40; 91.7-94.4m 10-50 degr., very weak, sporadic. **Magn Susc** Very low, 0.25 to 0.38. **Gradation** to follwing sharp, over 0.5m, by change of colour from solid green to buff with dark spots.	0.25 - 0.4
94.5	96.3			Kimberlite	**Type A 10 a b c (e) alpha, FF** Similar to above, 94.5m. Colour buff with dark brown-green patches. **Clasts:** High clast population, 1/2 to 3/4 sediments, white/light gray, mm-1-2 cm size. Rare mafic and UM clasts. **Phenocrysts:** Only olivines 1-2 (3)mm, 5%. **Flow Fabric,** degr re; CA: 50-70 94.5-95.4m very weak; 10-30 degr 95.4-96.3m. Magn Susc. 0.4 0.8. Sharp Gradation to following by increase of dark olivine, deacrease of light coloured sediment clasts, increase of flow fabric	0.4 - 0.8

96.3	99			Kimberlite	**Type A 9 a b c (e) alpha beta delta, FF.** Core solid, rel hard, few fractures (5fr/m) Colour dark gray grading to medium green-gray near the end. Groundmass: Matrix medium-dark gray, groundmass olivines 0.1-0.5mm, black-green. Small phenocrysts oliv 0.5-1mm. Small clasts, 1-2mm, light gree, dark green, brown. **Clasts:**Few clasts, 5-10%. mm to 1-2 cm size, mainly sediments, minor mafic, subophitic gabbro, minor UM. **Phenocrysts:** Few oliv >1 to 10 mm; red garnet 3mm, 5x4mm 3 mm, at 98 to 99m. **Flow Fabric,** degr rel CA: 20-30 degr 97m ; 50-60 97.2-99m **Magn Susc** at 5 ft intervals:0.82 1.9 7.9. sharp gradation over 0.3 m by colour change to medium green	0.8 - 7.9
99	106.7			Kimberlite	**Type A 3 a b e l alpha beta delta, FF** Core solid, hard, not water-adsorbent, rare fracture. Colour medium gray-green. **Clasts:** 10-15%, mm to 1-2 cm, rare 5cm. 1/2 to 3/4 sediment, white/light gray, < 1/4 mafic, subophitic gabbro, pink feldspathic mg diorite. 1-2% black shale. at 99m 1 cm autolith; at 104.5m three autoliths, 1cm size, round. **Phenocrysts: Mostly** olivine 2-3%, size 3-15 mm. 8 scattered garnet phenocrysts, size 3 to 13 mm, colour red, brown, 1 dark purple, shape mostly round. some garnets have partial rim, i.e are broken fragments of larger garnets. **flow Fabric,** degr rel CA, weak, common: 50-60 at 99-100.3m; 20-40 at 100.3-102.4m; 55-65 at 102.4 to 106m; 20-30 at 106-106.7m. **Magn Susc** at 5 ft intervals: 8.4 10.3 13.6 14.7 15.0 10.4. Gradation to following over 0.5 m. Colour changing from medium green-gray to light beige/buff, green-gray.	8.4 - 15.0
106.7	118.25			Kimberlite	**Type A 3 a b (e i) alpha beta delta, (epsilon), FF.** Similar to above (106.7m) but: colour is lighter, fewer lithic clasts, fewer and smaller olivine phenocrysts. **Clasts:** > 1/2 sediment, 1-2% gabbro, UM, 5% arkose (gowganda Fm?), 5% hard serpentine . Individual clasts: At 107m pink diorite; 114m lithic clasts with 2-3 mm rim of autolith. 116-118m 5-19 % clasts, 0.5-2 cm size. **Phenocrysts:** Very rare larger oxide grains and garnets. At 107m 15mm olivine; red-brown and red garnets, 2-5mm size, variously with rim. 3 grains from 108.5 to 110.6m; oliv 10 x 40 mm 114m; 3mm red garnet at 114m; 2 oxide grains2 to 3x5mm , boxy, at 115 and 116.4m; olivines, 2-10mm size, 5-10%, with back rim, 117.3m. **Flow Fabric,**degr rel CA, strong, foliation and lineation: 45-60 degr 108.8m-109.7m; 30-45 degr 110-114.3m; 20-35 degr 114.3-115.8m; 30-40 degr 115.8-117.3m. **Magn Susc** at 5 ft intervals: 17.0 20.0 17.7 21.3 19.7 18.5 20.0. Sharp gradation to following by appearence of black rimmed > 1mm olivines.	17 - 21.3

118.25	123.2			Kimberlite	**Type A 3 a b c d e alpha beta delta (epsyslon)**, FF. similar to 11.25m but has black-rimmed olivine, 1 - >10 mm. Colour pale green-gray. **Clasts:** approx 5%. Mainly sediment, light gray and pink-gray; and feldspathic diorite with 10 % black amphibole. 1% light gray carbonate, < 1%mafic, subophitic gabbro. At 121.3m 10% gabbro clasts and 10% soft, chalky sediment; at 121.9m a 3cm zomed ultramafic clast, oliv and orthopyroxene(?) enclosing 2 grains of chrome diopside; and two 2cm feldspathic diorite and 1 subophitic black gabbro clast. **Phenocrysts:** Mainly large olivines, rare red garnets, 2-3 mm, at 121.3m, rare oxide, rare chrome diopside enclosed in UM clast at 121.9m. **Flow fabric**, degrees rel CA, moderate to weak. 30-45 degr at 118-119m; 60-85 at119-120.4m; 10-30 at 120-123m. **Magn Susc** at 5 ft intervals: 23.2 13.3 12.4 5.6. Sharp contact to follwowing at 45 degr CA, marked by 2 carboante veins.	5.6 - 23.2
123.2	141.7			Kimberlite	**Type A 2 a b c e i alpha beta delta (epsylon) FF**, Core solid, relatively hard, but water-adsorbent, rare fractures. Colour light-medium gray and buff. **Clasts:** High clast population, 20-40%, size mm to 20 cm. > 1/2 sediments, wide variety, < 1/4 mafic intrusives, gabbro, 1% UM, 1/4 other, serpentine? dense, aphanitic. Individual clasts: At 128.6m white marble clast, 20cm; from 134.1 to137.1m 30% cm size gabbro/diabase and 20% other clast, sediments, serpentine; 137.5m autolith, type A7, fine grained, brown with clsts and 10% oliv phenoxts. Very sharp contacts; at 139.9m ultramafic, 5cm, altered cg oliv and 2mm **lavender garnet** and 1 chrome diopside; at141.1m 2 autoliths, 1cm.	0.4 - 3.5
123.2	141.7 cont'd			Kimberlite	**Flow Fabric,** degrees rel CA: 0-20 degr 123.2-125.3m; 40-60 at125.3-126.5m; 10-30 at 126.5-132.6m very weak; 50-60 at132.6-134m very weak; NFF to 135.6m; 60-80 at 135.6-141m. **Magn Susc,** at 5 ft intervals: 0.7 0.4 0.58 0.37 0.63 0.86 0.92 1.18 1.12 0.57 0.56 0.90 5.53 ar 463ft 8.6 at 465ft. **Contact** very sharp, colour change of groundmass, 45 CA ie vertical rel to surface. Abrupt change in clast population. Orientation of pencil-shaped olivine phenocrysts parallel to contact on one side of the contact; 45-60 degr rel to contact on the other side.	
141.7	198.1			Kimberlite	**Type A 3 a b c e g i alpha beta delta epsilon, FF.** Similar to 123.2m, with black-rimmed 1-10mm olivines. Core solid, rare fractures. Colour pale-green-gray. **Clasts:** 10-20%, size 0.5-3cm. 1/2 sediments (limestone, marble, silstone light grey, light green, very soft vuggy clay-carbonate rock); 1/4 gabbro/diorite, subophitic; < 1/4 other, including 'snowball serpentine'; minor autolithic kimberlite. Selected individual clasts: 146.3-149m 5mm autolith-rim around several clasts; at 152.4m 3 autoliths, 0.5-1.5cm, vfg and 2-5mm autolith rims around several, various clsts; 157.6m 1cm autolith; 167.6-170.7m 5-10% 1cm gabbro clasts, altered; 174-175.6m 3 vfg autoliths, 1-3 cm; 180-182m autolithic rim around 1% sed and gabbro clasts; 184.4m UM clast, harzburgite, 1cm; 188m 1-3% UM clasts, 0.5-2cm 90% black hbl, 5-10% fsp; at 192m 3% white marble clasts and 1cm intermediate fragmental tuff; 192.6m 2 clasts, graphite (?) rich, soft, black, sooty; at 195.7m 4cm mafic gabbro/ feldspathic hbl-pyroxenite; 196.9m 3x4mm graphite(?) soft, black sooty;	3.7 - 15.4

141.7	198.1 cont'd			Kimberlite	**Phenocrysts:** 10-20%, 95% olivines 1-5mm, rarly 5-15mm, 1/4 of oliv are pencil-shape; trace garnet, oxide, phlogopite, chromite, chrome-diopside. **Garnet :** Colour mostly red, red-brown, brown-purple, rare lavender. Size of garnet generally 1-4 mm, rare 5-12 mm. Shape of garnets show wide variety: round, commonly elongated/pencil shape, broken (sector shape). Commonly rimmed, various thicknesses of rims. **Bright-purple/lavender garnets at (m):** 155.7 182.0 186.2 186.5 188.7 189.6 m. Large olivine phxts, 2 to 4 cm, at (m): 155.1 156.3 164.6 168.8. Orthopyroxene(?), gray, with cleavage 4x8mm, rimmed at152.7m; at 160.3m 2mm chrome diopside enclosed in altered 10mm oliv; **Flow Fabric,** degrees rel CA, common, weak, in places erratic: 142 - 170m 60-70 degr; 45-70degr 170-173m; 50-80 at 173-187m; 45-50 at 187.7; 60-80 at 188-191m; NFF 191-192.6m; 50-80 at 193-198m.	
141.7	198.1 cont'd			Kimberlite	**Magn susc** at 5 ft intervals: 8.6 8.4 5.0 11.2 8.2 10.0 8.9 14.9 15.2 15.4 12.1 10.3 13.8 11.6 9.14 14.0 8.7 10.0 11.0 13.3 8.6 10.4 12.6 8.5 10.3 11.4 10.0 11.1 11.4 12.0 10.2 9.2 7.8 7.1 6.7 3.7. Sharp gradation to following by change of colour from green to brown-green-gray and more vuggy groundmass; and more white clasts	3.7 - 15.4
198.1	210.3			Kimberlite	**Type A 2 a b c e g alpha beta delta epsilon zeta, FF.** Core solid, water-adsorbent, rare fractures. Colour buff-brown. Vuggy character due to washed out carbonate clasts and clay clasts. Groundmass: Matrix patchy white, medium green, buff. Small groundmass oliv medium green with dark rims and small lithic clasts (0.5-2 mm 10%). **Clasts:** High clast population, estim 30%. > 1/2 sediment and white marble, 1/4 dense light green sed or serp UM, 1/8 dark subophitic gabbro, 1/8 ultramafics(?). 204-205m 20% subophitic gabbro clasts, 0.5-3cm; at 207.9m 5cm gabbro with 5% pink-purple Ti-mineral(?). **Phenocrysts;** Predominantly olivine, minor scattered garnets, rare oxide, phlogopite, large olivines, perovskite? Garnets in this interval approximately 15-20 observed, one every 0.5 m. Size of garnets 2-5mm, colour brown and red, commonly also honey-brown; shape round, broken, boxy, commonly with partial thin rims. 1 **purple garnet** 2mm at 206.6m. Minor oxide phenocrysts (5 grains observed, 1-5 mm size. rare phlogopite, 2-6 mm, boxy.	0.3-4.5
198.1	210.3 cont'd			Kimberlite	**Flow Fabric,** common, weak. Degrees rel Ca: 45-70 degr 198-201m; 0-10 degr 201-201.5m; 50-70 degr 210.5-205m; 10-30 at 205-206.3m" NFF 206.3-210m. **Magn Susc** at 5 ft intervals: 4.5 1.7 1.8 1.27 0.7 0.58 0.50 0.35. Sharp gradation to following by change of colour from brownish to medium green; and by fewer white sediment clasts.	0.3 - 4.5

210.3	263.6			Kimberlite	**Type A 4 / A 2 a b c e g i l alpha beta delta epsilon zeta ita, FF.** Core solid, not water-adsorbent, rare fractures. Rare strongly fractured/rubble: 0.3 m portions at 245.7m 248.4m 249m, 252m. Colour medium green gray. Groundmass: Matrix light gray, small (0.1-0.5 mm) oliv with light core, dark rim. **Clasts:** Total approx 20%, size mostly 2-10 mm, minor 0.5-2 mm. Rare 2-5 cm. Clast lithologies: 1/3 sediments, 1/3 dense serp., 1/6 gabbro, subophitic, 1/6 UM and other, rare kimberlite autoliths. Individual clasts: At 211m 10 mm clast consisting of opx and minor phlogopite; at 212.7m 5cm porphyritic feldspathic volcanic; at 213m 5% 1-4 cm gabbro clasts and bedded siltstone clasts; at 226.5m 10 cm blackish kimberlite autolith; 240m a 2cm vfg dense fragmental, tuff? or autolith? no oliv visible; at 247 amd 251 each 4cm and 10 cm kimberlite autoliths, different varieties with sharp outlines; 253m 10% diabase clasts 1-2cm size, several types; 255m a 1x2cm garnet-lherzolite clast with 3 chrome diopside grains 1mm.	0.25 - 0.90
210.3	263.6 cont'd			Kimberlite	**Phenocrysts:** Mostly olivine, garnets, minor oxide, phlogopite, rare perovskite(?). **Garnets:** Garnet phenocrysts occur every 0.3 to 0.5 m. Colours mostly red, red-brown, honey-brown, dark purple. Rare lavender coloured garnets, every 5 to 10m at (m): 212.4 214 220 221.9 228.3 233.5 239.9 251.5 253.6 259.4 261.8. size of garnets mostly 1-4mm, up to 10mm; shapes round, oval, angular/broken fragments, with complete or partial rims. Oxide grains are rare, black, non-magnetic, ilmenite(?), 1-4 mm. Phlogopite grains are rare, one every 5-10 m., size 1-8 mm. **Flow Fabric** common, weak, degrees rel Ca: 20-50 degr 210-218m; 50-80degr 218-227m; 10-30 227-229m; 50-80 229-230m; NFF 230-240m; 75-85 240-243m; 30-40 243-244.7m; 45-80 245-256m; 40-60 256-262m. **Magn Susc** at 5 ft intervals: Very uniformly low, between 0.25 and 0.50, rare values 0.6 - 0.8. Gradation to following over 1-2 m, by increasingly darker groundmass olivines and inter-olivine matrix. Core strongly fractured, 20-30 fr/m 262 - 265m	0.25 - 0.9
263.6	289.2			Kimberlite	**Type A 17 a b c e g i l alpha beta delta epsilon zeta, FF.** Core solid, not water-adsorbent, hard, few fractures. Colour dark gray to blackish- dark green gray. Rare strong fracturing/rubbly 20-30 fr/m 264-265m. Slickensides 30-40 degr CA at 265.5m. Faulted, 60 degr CA at 266m. **Clasts:** 10-15%, size 0.5-2cm, rare 5-10cm. > 1/2 sediments white and light gray, ultramafics, 1/4 gabbro-diabase, < 1/10 kimberlite autoliths. Individual, unusual clasts: 265.8m 2cm lherzolite, fresh oliv, green cpx; 266m mm-bedded siltstone; 266.4m dunite with perovskite (?) and lherzolite clast; 267m 10% fg UM, mafic-UM fragmagental, not kimberlite;2 69.7-271.3m mafic, vfg fragmental, basaltic(?); 271m two kimberlite autoliths with small phenocrysts; 271.6m UM, lherzolite, opx and chrome diopside; 275m vfg mafic fragmental, basaltic(?); 275m carb sediment with pyrite-bearing serpentine vein; 283.8m 5cm garnet-lherzolite: oliv, 5% **chrome diopside, 5% purple garnet** 1-2mm. **Sulphide in veins:** Minor py in veinlets and as tr in tc-serp vein, at (m): 267.6 275.5 282 282.2m.	1.5 - 8

263.6	289.2 cont'd				**Phenocrysts:** Size generally 1-5 mm. High abundance of red garnets, phlogopite and oxide, less common purple garnets, perovskite(?), large olivines (1-3 cm). Abundance per metre of phenocrysts: red garnets 3-5/m, locally 10-20/m; purple garnets 1-3/m; phlogopite 2-5/m, locally10-20/m; oxide 1-3/m, locally 5-10/m; large olivine (5-15mm) rare, locally 3-5/m, fesh large olivine are white, probably forsterite; perowskite rare, 1 per 5 m (Detailed breakdown of counted minerals per 5 ft intervals are found in original field logs). **Flow Fabric** common weak, moderate and strong. Degrees rrel Ca: 50-70 degre 266-269m; 45-55 degr 269-276m; NFF 276-279.5m; 30-50 279.5-282m; 45-60 282-286m. **Magn Susc** at 5 ft intervals: 3.14 2.30 3.1 7.5 7.5 4.7 8.6 4.8 1.3 2.0 1.2 4.6 1.9 3.4 6.7 7.8 3.7 5.6. Contact to following not preserved, rubbly core.	1.5 - 8
289.2	303.6			Gowganda Fm	Gowganda Formation: siltstone, arkose, cm-bedded. Core solid, hard, moderately fractured.Colour medium-dark green (dry) to 290.8m; medium gray with brownish-pinkish beds 290.8-303.6m. Grain size very fine, silty, main minerals feldspar,clay minerals, chlorite?. Bedding rel CA: 59degr at 289m, 60 at 291m, 65 at 297m, 59 at 302m. Veining strong within 2 m of contact to kimberlite above, 5 mm spaced carbonate veins. Fracturing moderate throughout. Strong fracturing parallel bedding and at high angle to bedding293 - 299m. **Magn Susc** at 5 ft intervals: 0.3 1.34 1.0 0.27 0.3 .3 0.29 0.3 0.34 0.3	0.3 - 1.0
	303.6			EOH	End of Hole	

Novawest Resources Inc.

DDH #	PROPERTY	NTS	Twp	Lot, Conc	DEPTH	AZIMUTH	DIP	LAT	DEPARTURE
BK00-07	Bucke Pipe		Bucke Twp, ON	Lot 4, N 1/2, Conc 5 and Lot 5, N 1/2, Conc 5	249.0 m	246	45	695.5 m N	38.0 m W
INCLINATION AND TROPARI TESTS									
DEPTH	AZ	DIP	DEPTH	AZ	DIP	DEPTH	AZ	DIP	
TOP OF WEDGES									
LOGGED BY		STARTED	COMPLETED		COMMENTS				
Peter Fischer		May 23/00	June 04/00						
DRILLED BY									
Keith Allen									

Novawest Resources Inc.
DDH # BK00-07

DEPTH (m)		SPLE #	Min	ROCK	DESCRIPTION	Mag
FROM	TO					
0	59.4			OB	Casing, Overburden, boulders and clay	
					Note: Kimberlite is described using a code. See appended Kimberlite Legend	
59.4	141			Diabase	Nipissing Diabase. Probably forming a dyke. Core hard competent, variously fractured. Diabase massive, homogeneous, fresh. Chilled phase at lower contact to sediments. Lithology: Olivine-2 pyroxene gabbro. Subophitic texture, massive, medium grained, grain size 0.5 - 2 mm. Mineralogy: Approx 50% plagioclase, light gray, in part milky, slightly altered. 50% ferromagnesian minerals, 3 minerals: a) Orthopyroxene (?) , brown gray, prismatic; b) olivine (10% of Femags); c) clinopyroxene, dark green-gray, interstitial to Plag and oliv. Trace pyrite, oxide. **Fracturing and alteration:** Diabase mostly fresh. 59.4-68.6m weak fracturing, 6-10 fr/m. Common 2-5mm chloritic fracture filling; 68.6 - 78.9m rare fractures, 3-5fr/m. 2cm chlor filled fracture at 75.6m; 78.9-80.5m one fracture parallel CA, 3mm chlor filling; 80.5-90.8m moderatley fractured, 6-10fr/m. at 86m 5mm chlor filled fractures; at 90.5m weak alteration, white fsp, 1 cm chlor fracture 50 degr CA;	0.3 - 25.0
59.4	141 cont'd			Diabase	90.8-101.2m weak fracturing, 3-5 fr/m at 50-60CA. Several 1-3 cm chlor seams, 30-50 degr CA; 101.2-106m very rare fractures; 106-110.6m slightly altered along fractures. Moderately fractured, 6-10 fr/m 30-60 degr CA, 50% with 1-10mm chlor filling; 110.6-115.2m rare fractures. 1-2 fr/m; 115.2-116.1m strongly fractured 10-20 degrCA, 3cm chlorite seam at 115.8m; 116.1-126.8m fresh with 0.3-0.5m altered portions. Fracturing weak-moderate, 6-10 fr/m, 40-60 degr CA, 0-10 degr CA 123.4-123.3m, 1-3cm chlor seams 30 and 60 degr CA at 119.8 and 121.3m, 126.2-126.5m strongly fractured; 126.8 - 128.3m fresh, very rare fracture; 128.3-131.7m fres, strongly fractured alternating (0.5m) with weakly fractured portions; 131.7 - 134.1m fresh, rare fractures, 1-3 fr/m; 134.1-134.9m fresh, weak-moderately fractured, 5-10 fr/m, 45-60 degr CA; 134.9-141m fresh, chilled phase. Grain size getting gradually finer over 5m. Weak fracturing,. 138.7-139m strongly fractured. 135.9-141.0m vfg, aphanitic chill phase. Contact to sediment at 50 degrees CA,	
59.4	141 cont'd			Diabase	**Magn Susc** at 5 ft intervals2.5 4.6 2.5 6.5 3.7 8.75 1.7 2.9 4.0 4.9 5.23 7.16 10.4 7.4 5.1 3.8 0.3 3.3 2.8 2.3 2.8 3.6 8.5 3.9 6.9 9.8 11.4 12.2 12.9 14.8 12.4 10.0 19.1 12.7 9.2 10.1 13.1 0.4 10.0 15.7 14.0 11.6 12.5 9.0 12.4 25.3 13.1 0.3 13.1 12.2 13.2 10.8 1.7 10.1 8 8	0.3 - 25.0

141	165.8			Gowganda Fm.	Fine grained, bedded clastic sediments of the Gowganda Formation. Lithology: Arkose, minor siltstone, finely bedded at mm-cm scale. (turbidite?). Bedding 20-40 degrees rel CA, I.e interpreted to dip 10-20 degr west. Colour light to medium green-gray, interbedded with medium pink-brown. Mineralogy: K-fsp, plag, qtz, amph, chlor. Core hard, brittle, competent. Fracturing weak to moderate, 5-10 fr/m, parallel bedding and at high angle to bedding. Bedding, degrees rel CA: 35 degr at 141.7m, 35 at 146.3m, 35 at 152.4m, 28 at 160m, 20 at 162.4m, 30 at 165.8m. **Magn Susc** at 5 ft intervals: 4.3 20.2 13.5 7.7 15.9 16.8 14.0 21.5 18.8 26.0 22.8 19.5 24.3 14.9 10.8 16.7 9.9. **Contact** to following at high angle (80 degrees) rel to bedding, marked by 10 cm swarm of white-light greenish mm veins, probably carb and serp (?).	4.3 - 26.0
165.8	170.7			Kimberlite	**Type A 12 a b c (d) e g alpha beta gamma delta epsilon, FF** Core solid, relatively hard,, not water adsorbent. Colour blackish green. **Clasts:** 10-20%. Clasts are both zoned and not zoned, ie no reaction rim. Shapes ranging from round to angular. Size 1mm to 10 cm. 1/2 sediment, limestone and marble, 1/4 mafic intrusive, subophitic gabbro, 1/4 ultramafics, mg, trace soft, clay-carbonate clast. Individual clsts: At 166.7m harzburgite or mafic norite; at 167.3m altered diorite; at 167.9m mg websterite, fresh opx; 168.3m 20cm diabase clast; 170m 3x4 cm websterite with trace chrome diopside. 60% grey opx. **Phenocrysts:** Olivine (5-10%, 1to > 10 mm), common orthopyroxene, red and purple garnets, oxide. Garnets: 2 purple garnets, 1mm and 6mm, at 169.5m and 170.4m enclosed in large olivine. **Flow Fabric, weak,** degrees rel CA:0-10 degr at 166.4m, closure; 30-45 at 166-167m; 40-50 at 167-168m; 20-40 at 168-170m. **Magn Susc** at 5 ft intervals: 0.28 0.51 0.38 0.63. Gradation to following over 0.5m by colour change and Mag Susc increase	0.28 - 0.63
170.7	190.6			Kimberlite	**Type A 13 a b c e g i alpha beta delta epsilon zeta ita, FF** Core solid, relatively hard, not water-adsorbent, rare fractures. Colour medium green gray. **Clasts:** 10-20% size mm to 10 cm, 1/3 sediment clasts, 1/4 gabbro, subophitic, 1/4 UM, < 1/4 other. Individual, unusual clasts: at 172.2m vfg 1.5cm autolith with 2mm oliv core; 174-180m > 50% of clasts mg pyroxenite of mafic gabbro, 3-5 cm; 179m 8cm hard clast of felsic volcanic(?); 184m 35cm diabase clast; 184.7m UM clast 1cm with 2mm oxide grain; 187.4m 15cmwashed-out carbonate clast; 189-190m 30% white carb sedim/marble clasts, and 8cm gabbro, abd two 5 cm two-pyroxene gabbro clast. **Phenocrysts:** Mostly olivines, in part un-altered, size up to 30 mm. In places white core, probably forsterite; minor garnet (at 0.5 - 1 m intervals, size 1-8 mm, mostly red, several purple garnets at (m):175.5 546m; garnet commonly with thin rims; oxide, 2-13 mm at175m, 182.6m 187.7m; rare chrome diopside, enclosed in 10mm olivine at 176.5m; rare phlogopites, 1-4 mm size.	

170.7	190.6 cont'd			Kimberlite	**Flow Fabric** degr rel CA: 45-55 degr at 171-171.9m; 10-30 at 172-175m; 45-60 at 175-177.7m, aligned palty olivines and small clasts; 20-30 at 179m; 40-70 at 179-182.9m; 20-30 at183.5m; 65-75 at 183.5-185m; 120-40 at 185-190m. **Veining:** 1cm white cherty vein at 176m an 179.7m, 182.6m **Magn Susc,** 1.8 3.3 4.0 6.7 7.7 7.7 7.3 3.5 5.4 7.5 6.8 7.7. Contact to following over 20cm, at 20 degrees CA	
190.6	192.3			Limestone-Kimberlite Breccia	Limestone, white-light gray, patchy. Breccia 191.7 - 192.3m consisting of kimberlite matrix and 208 cm angular limestone clasts. Limestone contains 25% 1-5cm irregular brownisch and light greenish harder patches (possibly wollastonite?). Sharp contact 35 degrees CA	6.4
192.3	215.5			Kimberlite	**Type A 14 a b e g l alpha beta delta epsilon zeta, FF** Core hard, solid, not water-adsorbent. Colour medium green gray. Similar to 190.6m but different groundmass: Small olivine (0.1-0.5mm) don't have a thin black rim. **Clasts:** 10-15%, size mostly 1-3 cm, rare 20-30 cm. > 1/2 sediments, white/light gray and light-medium green soft. > 1/4 gabbro and pyroxenite, < 1/4 other. Individual clasts: At 193m a 4cm gabbro clast; 197.7m 30cm soft sediment clast; 207.6m 2 cm kimberlite autolith; 204-213m 1-2% 3-10cm roundish, concentric 'snow-ball'-type serpentine clasts, colour light green with blac swirls; **Phenocrysts:** Mainly olivine (size 5 to 20mm), minor garnet, oxide, rare phlogopite. Garnet phenocrysts one every 0.5 - 1 m, colour mally red, brown, rare purple: at 199m 2mm; 183.8m 3 mm; 210m 3010mm, elliptical. garnets commonly with thin black rim; commonly broken, boxy, semicircular. At 204.2m phlogopite 10x3mm. at 212.7m angular oxide 10mm.	
192.3	215.5 cont'd			Kimberlite	**Flow Fabric,** degrees rel CA: 50-60 degr at 192.6-193.2m; 10-30 at 193.2-195m; 60-70 at 195-195.7m; 10-30 at 195.7-198,4m; 40-70 at 198.4-202m; 20-40 at 202-202.9m; 40-60 at 202.9-205.4m; 20-30 at 205.4-207.2m; 40-60 at 207.2-210.3m; 15-35 at 210.3-213.4m 213.4-215m NFF. **Magn Susc** at 5 ft intervals: 13.5 14.5 14.3 7.5 12.2 8.1 13.2 11.8 10.8 14.6 14.9 16.1 14.4 6.3. Gradation over 0.5m.	
215.5	226.1			Kimberlite	**Type A 14 / A 13 a b e g alpha beta (epsilon, zeta) ,FF** Core solid, hard, not water-adsorbent, rare fractures. Similar to 215.5m but lower magnetic susceptibility and becoming finer grained and darker gray at 220m, approaching kimberlite Type A 15(and A9). Very gradual change from above. **Clasts** as to 215.5m: 1/2 sediments, 1/4 gabbro, 1/4 other (UM, 1-2% 'snowball serpentine(?) clasts. Individual clasts: at 215.8m 7cm subophitic gabbro/diabase; 218.2m two1cm kimberlite autoliths, vfg; 220.4m 3x6cm Gowganda arkose clast and 8cm white carb sedim clast; 221-221.9m 10% 2-8cm Gowganda siltstone clasts, hard, gray; 222.3m 6cm diabase clst, slightly altered; 225.8m a 2cm ultramafic clast, cg olivine enclosing 2mm **purple garnet** and four grains of 0.5 mm chrome diopside; at 223.7m 3x5cm sediment breccia.	6.8 - 12.7

215.5	226.1 cont'd			Kimberlite	**Phenocrysts:** Mostly olivine, size up to 35 mm.at 223.1m fresh, zoned 35mm oliv white forsterite(?)-core, 1cm green outer zone; minor red garnet, one grain every 0.5 m, fresh and partly altered, commonly with rims, size 1 - 20mm, shape round, broken and elliptical. rare purple garnets, at: 218.8m, 224.3m, 225.8m bright lavender garnet 2mm enclosed on cg olivine. Rare phlogopite and oxide, size 3-10mm, 2 grains each within interval. **Flow Fabric,** weak and locally strong, degrees rel CA: 10-30 degr at 215.5-217.9m; 10-20 degr at 218-220m, strong foliation by oriented platy oliv and small clasts; 10-30 degr at 220-224.6m. **Magn Susc,** at 5 ft intervals: 9.2 7.4 8.5 12.7 10.0 7.21 6.8. Sharp intrusive contact to following at 15 degrees CA: True attitude of contact rel to surface: West dipping either 60 degr or 30 degr rel to horizontal.	6.8 - 12.7
226.1	230.6			Kimberlite	**Type A 15 (a) e h i alpha beta (delta), strong FF.** Core solid, hard, not water-adsorbent, rare fractures. Colour medium to dark green-gray. Homogeneous, almost free of lithic clasts. **Clasts:** Almost no lithic clasts, approx. 1% (highly unusual). Similar to very fine autoliths found as inclusions in other kimberlite types. Types of rare clasts: Ultramafics, white carbonate bedded fine sediment at 230m; **Phenocrysts:** rare, max 1-3%. Mainly olivine, 1-5mm, rarely 10 mm size. Rage red garnet (4mm) at 230m. Increase of olivine phenocrysts, abundance and size, downhole from1-3%, 1-5mm, to 10-15%, 5-10mm. **Flow Fabric,** in part foliation, moderate, degrees rel CA: 0-15 degr at 226.1-168.5m; 30-40 degr at 168.5-169.1; 10-30 degr at 169-230m. **Magn Susc** at 5 ft intervals: 12.8 14.0 10.9 . Sharp gradation by increase of lithic clasts and phenocrysts.	10.9 - 12.8
230.6	236.6			Kimberlite	**Type A 13 / 14 a b c e alpha beta delta (epsilon), FF.** Core hard, solid, not water-adsorbent. Colour dark gray. Similar to 226.1m but colour darker. **Clasts:** 15-25%, size 2mm-2cm, rare 1-4cm. 1/2 sediment, light gray, marble and Gowganda Fm, 1/3 gabbro and UM, 1/5 dense serpentine (?). **Phenocrysts** > 1mm overall 20-30 % of rock. mainly olivine; rare red garnet, one **lavender garnet** 2mm at 231.9m. ; rare oxide2-4mm. **Flow Fabric,** degrees rel CA, very weak: 20-40 degr at 230.6-232.5m; 60-70 at 232.5-233.5m; 304- at 233.5-233.8m. **Magn Susc** at 5 ft intrvals:2.2 3.9 0.6 0.5. **Chill Phase of Kimberlite:** 236.2 - 236.6m. Groundmass extremely fine grained, dark gray/black, hard. black phenocrysts (oliv, opx?), rare very small lithic clasts. **Contact** to following preserved, sharp, at 45 degrees CA.	0.5 - 3.9
236.6	238.6			Diabase	Nipissing Diabase, massive, fine grained moderately fractured (10 fr/m). Chilled, vfg to aphanitic, 237.7 - 238.6m. Contact to Gawganda Fm preserved, sharp, at 45 to CA. From orienting core with bedding of Gowganda Fm, this contact is interpreted to trend N - S. **Magn Susc** 9.82 at 780ft, 0.45 at 784ft.	0.45 - 9.82
238.6	249			Arkose	Gowganda Formation, very fine grained arkose and siltstone. Colour medium to dark gray-green with minor brownish cm-bands. Bedding, rel CA: 40 degr at 240m, 26 degr at 243.2m, 35 degr at 245.7m, 40 degr at 247.5m	0.28 - 8.1

Novawest Resources Inc.

DDH #	PROPERTY	NTS	Twp	Lot, Conc	DEPTH	AZIMUTH	DIP	LAT	DEPARTURE
BK00-08	Bucke Pipe		Bucke Twp, ON	Lot 4, N 1/2, Conc 5 and Lot 5, N 1/2, Conc 5	184.4 m	300	55	607.0 m N	86.0 m W
INCLINATION AND TROPARI TESTS									
DEPTH	AZ	DIP	DEPTH	AZ	DIP	DEPTH	AZ	DIP	
TOP OF WEDGES									
LOGGED BY		STARTED	COMPLETED		COMMENTS				
Peter Fischer		June 07/00	June 15/00						
DRILLED BY									
Keith Allen									

Novawest Resources Inc.
DDH # BK00-08

DEPTH (m)		SPLE #	Min	ROCK	DESCRIPTION	Mag
FROM	TO					
0	52.4			OB	Casing, Overburden. Clay and boulders.	
					Note: Kimberlite is described using a code. See appended Kimberlite Legend	
52.4	99				**Type 18 a b c e g j l alpa beta delta (epsilon) zeta, FF.** Core extremely soft, friable to 90m (especially after repeated rain and drying); more solid to 99m. Colour medium green gray (dry). Small scale observations restricted to upper part of core (core is too soft to be taken out of box) **Clasts:** 30-40%. 1/4 sedimentss white, light green, mostly carbonate and siltstone. 1/4 subophitic gabbro and diabase; 1/4 fine grained mafic fragmental (basaltic?) with white carbonate amygdules(?); 1/4 other: ultramafics, serpentine, dense sediments? Individual clasts: at 54m 4cm soft brown sed; 54.5m 4cm white carb sed; 56m 5cm Gowganda siltstone; 57m 4 clasts 2-5cm diabase; 62.5m brown mudstone; 63.4m 13cm diabase clast; 69.2m 2cm kimberlite autolith; 71.6m 3cm autolith and 5% diabase clasts 1-3cm; 72.2m 2 brown autoliths 2cm and 9cm; 73.5m and 77.7m 6cm Gowganda siltstone;83m 5-10% subophitic diabase 1-4cm; 90m zoned cherty sediment10cm and bedded siltstone 5cm; 91-97m 10% fg diabase clasts.	0.5 - 2.4
52.4	99 cont'd			Kimberlite	**Phenocrysts,** on upper side of core: 1-10mm, 3-5%. 3/4 olivine 1/4 phlogopite, garnet, oxide. **Garnet:** Colour mostly red and brown, size 1-6 mm+F10; abundance 1-2 grains/3m; **Lavender garnets** rare, totalof 8 grains seen on upper side of core, 1-4 mm: At 59m, 62m, 63, 65m, 78m, 82.6m, 94m, 97.8m. Phlogopite: Abundance variable. Generally 1-2 grains per 3m; 2-5 grains/3m 73-88m; 5-10 grains/3m 88-95m; 3-5 grains/3m 95-99m. Size of phlogopite grains 1-3, rarely 10 x 20 mm. Oxide: generally 1 - 2 grains per 3 m. **Flow Fabric,** degrees rel CA. Rare and difficult to see: 60-70 degr at 55-61m; 70 at 73-79m; 10-20 at 82-85m; **Magn Susc** at 5 ft intervals: 1.19 1.4 1.2 1.86 1.46 1.59 1.07 0.84 2.4 1.5 1.87 2.08 2.0 1.73 1.13 1.04 0.7 0.88 0.57 0.5 0.64 0.34 0.36 0.36 0.37 0.4 0.38 0.6 0.23 1.3 0.2 . Gradation to follwing over 2-3m by colour change from green to brown gray, from soft, vuggy to solid core. Clast population stays the same.	0.5 - 2.4

99	106.6			Kimberlite	**Type A 18 / 13 a b c e g l alpha, beta delta epsilon ita, FF.** Core solid, hard, not water-adsorbent, rare fractures. Similar to above, 99m, but the core is not soft but harder. Overall colour brown gray. Groundmass same as above, 99. **Clasts:** 20-30%, size mostly 1mm - 10mm, rare 1cm - 5cm. > 1/2 sediments, white , light gray; < 1/4 gabbro, diabase, ultramafics, 1/4 other in part fine grained mafic fragmentals (not kimberlite). At 99.3m kimberlite autolith; at 104m and 104.5m hard, white sediment clast (wollastonite?); at105.5m 5cm autolith clast, vfg, with 1-2 mm olivine phxts and UM clast. **Phenocrysts:** Few phenocrysts: Mostly olivine, rare red garnet, oxide, chrome diopside. Individual phxts: 99m 1.5mm chrome diopside and 3 garnets and 5-8mm olivines; at 101.8m dunite clast with 2 grains, 1mm, of chrome diopside at 103m 4mm oxide; at 105m 2 red garnets 22m, with thick black rim; and 2 olivines 100m; at 106m perowskite or chromite,3-4mm. at 106.5m red garnet 2mm. **Flow Fabric** weak 65-80 degrees rel Ca 100-103m.	0.38 - 1.3
99	106.6 cont'd			Kimberlite	**Magn Susc** at 5 ft intervals: 0.38 0.69 0.93 1.30. Contact to follwing sharp, 40-45 degrees rel CA by abrupt colour change from medium brown gray to dark brown gray	0.38 - 1.3
106.6	109.3			Kimberlite	**Type A 12 / 13 a e alpha beta (delta) NFF.** General: Fine grained, dark gray to medium gray, with chilled(?) darker, fresh, hard contact phase of 0.3m. The centre portion of 2.5m is lighter coloured. **Groundmass:** Contact phase 0.3m: blackish gray, very fine grained, dark green olivines 0.5-5mm, rare lithic clsts. Main part: Fine grained, medium gray, matrix medium gray. 0.1-0.5mm olivines gray thin black rims. Rare 1 mm clasts. **Clasts:** Few clast, 3-5%, size 1mm-1cm, mainly sediment gabbro/diabase. At 107m a 10 cm diabase clast, outlines irregular. **Phenocrysts;** total 5%, almost exclusively olivines, 0.5 - 10 mm. Rare red garnets, 0.5-4mm, trace oxide. **No Flow Fabric. Magn Susc** 6.96 at 350ft, 4.7 at 355 ft. Sharp irregular contact 20 degr CA.	4.7 - 7.0
109.3	111.1			Diabase	Olivine-diabase, massive, medium grained(1-3mm grain size), subophitic tecxure. Plagioclase white, altered, 40% pyroxene, 5% olivine. 5% white carbonate veins. 110.9 - 111m kimberlite vein, 50 degr CA. Sharp contact to following with 5 mm carbonate vein 35 degr CA	0.85

111.1	138.7			Kimberlite	**Type A 13 / 14 a bc e g h k l alpha beta delta (epsilon) ita FF.** Core solid, hard, not water-adsorbent. Overall colour medium brown gray. Groundmass vfg, dense consisitng of green gray matrix with dusty oxide, and small 0.1 - 0.3mm olivines. **Clasts:** Total 5-15%, variable. 1/2 sediments mostly light gray, > 1/4 diabase, several textural types, 1/10 ultramafics, 1/10 black hornblendite, 1/10 fg mafic fragmental volcanic. **Phenocrysts:** Mostly olivines, 10%, generally 1-5mm, minor 10-25 mm. Large olivine phenocrysts at: 25mm oliv at 114m; 20 mm oliv at 120.1m; 40 mm oliv enclosing 5 chrome diopside grains, 0.5-3mm; 20 mm oliv at 131.7m; 25mm oliv with white core at 133.8m and 135.6m and 138m. No phlogopite, trace oxide,trace chrome diopside. **Garnets:** Abundance: 1 phenocryst every 0.5 to 1.0m. Mostly brown, red, commonly partly altered. Shape mostly oval, commonly with black rim varying from thin to thick, sizes 1 - 8 mm. Rare **lavender garnets at:** 114m, in 25mm olivine; 6mm at 129.8m. Rare chrome diopside grains 0.5-3mm, enclosed in large olivines at: 124m, 127.4m; 1 grain of perowskite at 115.5m .	0.5 - 14.8
111.1	138.7 cont'd			Kimberlite	**Flow Fabric,** common but very weak, degrees rel CA: 10-30 degr at111-112.8m; NFF 113-115.8m; 70-85 at116-117.3m; 20-30 at117.3-118.9m; 50-70 at 119-131m; NFF 131-138.7m. **Magn susc** at 5 ft intervals: 0.46 1.9 7.84 8.6 8.4 10.4 6.5 6.33 0.6 0.61 2.6 4.15 4.75 6.32 11.8 14.8 12.0 12.0 10.4. Gradation to following over 0.5 m by colour becoming patchy.	
138.7	144.8			Kimberlite	**Type A 13 / 14 a b c e g h l alpha bate delta (epsilon, FF.** Core hard, not water-adsorbent. Groundmass: 1cm areas of gray matrix alternating with dark gray-green matrix. Groundmass olivines 0.1 - 0.5mm, are medium-dark green, not brown. **Clasts**: Few clasts, 5-15%, same as for 111.1 - 138.7m. Individual clasts: at 140.8m 5cm white carb sed, two 4cm diabase; at 142m 1cm 'snowball'-serpentine(?) at 143.2m white sed clast, 6cm, zoned, outer zone wollastonite (?) hard, xtline. **Phenocrysts:5-10% of rock,** mostly olivine 1-5mm, rarely 5-20mm size. Common white (forsterite?) core, shape ovoid and round. **Garnet:** Minor, 1 grain every 1m. Colour mostly red. 3 **lavender garnet** grains 143-144m. phlogopite 1x2cm; at 139.6m 3 mm perowskite (?), brown hard silicate. **Flow Fabric** weak, degress rel Ca: 5--65 degr at 139-143m, 30-40 at 143-144.5m. **Magn susc** at 5 ft intrvals: 12.3 10.2 17.3 16.0. Sharp gradation to following by colour change of groundmass from mottled to uniformly medium gray andd sharp decrease of 1-5mm olivine phenocrysts	10 - 17.3

144.8	159.7			Kimberlite	**Type A 14 a b c e g alpha beta (epsilon, zeta, ita) FF.** Core sold, rare fractures. Groundmass similar to A3: Matrix light green with extremely fine (0.01mm?) oxide; very small groundmass-olivine 0.1-0.5mm medium green gray with 10-30 micron beige phlogopitic (?) rims. Small oliv phxts 0.5-1mm have light gray core, dark rim. **Clasts:** Few clasts, 5-10%. > 1/2 sed, light grey, 1/4-1/2 gabbro, diabase, < 1/4 other. 3-5% 3-8mm 'snowball' serpentine(?) clasts. Individual clasts: 148m 3% 'snowball serpentine(?) clasts; at 153.3m 2cm websterite clast (2 px); at 156.4m 3-5% 'snowball'-serp(?) clasts; 155.5-157m 5-10% 1-4cm subophitic diabase clasts. **Phenocrysts**: Mostly **olivine**. Large oliv > 3mm are fresh, hard, white, Forsterite!, altering to light green=serpentine. Max size of oliv 20 mm. **Garnet**: common accessory, 1 grain every 0.5 - 1m. Colour mostly brown, milnor red, 1 lavender grain at 159. Size 1-13 mm, shape mostly ovoid, and round, commonly broken, generally with blackish rim, of varying thickness.	11.8 - 18.3
144.8	159.7 cont'd			Kimberlite	**Chrome diopside** rare 3 grains seen, 1 mm, enclosed in 5-10 mm olivine. 1 phlogopite grain 8mm, at 147.5m. Oxide grains rare, 7 grains seen, 2-7mm, shape ovoid and round. **Flow Fabric** weak, degrees rel Ca: 10-30 degr at 145-151m; 40-70 degr at 151-155m. **Magn Susc** at 5 ft intervals: 18.3 16.5 14.2 13.2 15.0 11.8 14.9 12.4. **Contact** to following sharp transition within 1-2 cm, by sudden absence of lithic clasts. Contact 15 degrees CA. Flow orientation on both sides of the contact.	11.8 - 18.3
159.7	161.4			Kimberlite	**Type A 15 / A 3 (e) alpha beta FF.** Core hard. Colour medium gray. Unusual kimberlite with **rare lithic clasts: At 161m 2 x 5 cm dunite clast enclosing one 1mm chrome diopside grain;** at 160m 1x4cm dalbase clast, only small olivine phenocrysts in vfg groundmass. Groundmass consists of a) matrix, light greenish gray, b) vfg groundmass-olivine 0.1 - 0.3mm, medium green. common dusty, extremely fine grained oxide, 1-2%. **Phenocrysts:** Minor. Only olivine, 1-3%, 0.5 - 3 mm, rare 3-5 mm. Commonly pencil shaped, flow-oriented (lineation) Oliv dark rim, light gray core. 160.4m two box shaped olivines, 0.5x1cm and 1x3cm, light gray, fresh; 160.9m two brown garnets with thick black rim, 2-3 mm. Gradual increase of olivine phenocrysts161-161.4m. **Flow Fabric** strong, Lineation. Oriented pencil shaped olivines 50-60 degrees rel Ca, decreasing at lower contact. Sharp transition, 50 degr CA, to following by appearence of brown ground mass and appearence of white sed clasts and more dark green oliv phenocrysts.	29

161.4	176.8			Kimberlite	**Type A 6 (A7) a b c e g l alpha beta delta (epsilon), FF.** Core solid, hard, in part vuggy. 175-175.5m soft, rubbly. Colour medium gray-brown, patchy. Groundmass as for Types A6 (and A7). Possibly 2 types, a) and b). A) phlogopite-rich, older?, as inclusions in b). b) white matrix, younger? Groundmass-olivines 0.1 - 0.5mm medium green-gray. **Clasts:** Many clasts! 20-40 %. Large size, 1cm to 20 cm. 1/3 sed, white, lt gray and gray-pink Gowganda siltstone, bedded; 1/2 diabase; 1/6 other. 170.6 - 173.7m intrusive brccia, with kimberlite as a matrix. some individual clasts: at 162m 60cm diabase clast, at 163.3m and163.7m marginal protions of large daibase clasts, > 10cm and > 12cm size. ; at 164.3m 3cm websterite clast; 164.5-165.2m three clasts, 5-8cm, of hard, white, sed, possibly wollastonite; at 166m 15cm hard, white wollastonite(?) sed clast; at 167m 20 cm Gowganda siltstone, bedded; 167.3 30% diabase clasts; 168.5m lherzolite clast 2x4cm, oliv,dark cpx; 168.5-169.1m 50% diabase clasts, up to 25cm; 170m 15cm carb sed clast with relict textures;	0.5 - 24.8
161.4	176.8 cont'd			Kimberlite	CLAST, cont'd: 170.6-173.5m 50% diabase clasts cm-dm size; 173.5-174m 70cm soft sed clast. **Phenocrysts:** Mostly olivines, 5-8%, dark green. Very rare garnet, oxide and large phlogopites. Olivine size 5-20mm. Garnet 1-4mm, mostly red brown, with common rims. 1 lavender **garnet** 1mm, at168.2m, enclosed in 7 mm olivine. Rare chrome diopside, 3 grains 1-2mm, 2 enclosen in larger olivines, at 166.4m, 170m, 171.6m. **Flow Fabric** common but weak, degr rel CA: 45-60 at162-165.5; NFF to 167m, 60-70 at 167-169.1m; 30-50 at 169-170.7m. **Magn Susc** at 5 ft intervals: 24.8 4.4 2.5 2.2 2.9 1.2 2.1 1.0 2.5 0.4 0.5. Contact not preserved but probably transitional: Kimberlite near contact has 30-50 diabase inclusions; and diabase near contact is cut by 10% kimberlite veins.	0.5-24.8
176.8	183.5			Diabase	Nipissing Diabase, cut by a) 10% kimberlite veins, cm-wide, b) white carbonate-caly(+wollastonite?) veins, mm-cm thick. Diabase lithology: massive, mg 1-2mm grain size, subophitic. 60-70% plag, 30-35% cpx, 1-2% oliv?. **Kimberlite veins:** 10%, cm-dm wide, white carb-clay veins 3%, stockwork. Kimberlite type A6/A7, as above. Kimberlite veins (with diabase inclusions: 177.4-177.7m 50% kimberlite; 179-179.4m 70% kimberlite, contacts 20 degr CA; 179.8-180m 60% kimberlite, contacts 60degr CA; 180.3m 15 cm kimberlite; 180.7-183.5m 50% kimberlite, contacts 50 and 35 degr CA. **Magn Susc.**at 5 ft intervals: 3.5 0.6 2.6 7.31 1.45	0.6 - 7.3
	183.5			EOH	End of Hole	

Novawest Resources Inc.

DDH #	PROPERTY	NTS	Twp	Lot, Conc	DEPTH	AZIMUTH	DIP	LAT	DEPARTURE
BK00-09	Bucke Pipe		Bucke Twp, ON	Lot 4, N 1/2, Conc 5 and Lot 5, N 1/2, Conc 5	243.23	270	50	595.5 m N	50.0 m W
INCLINATION AND TROPARI TESTS									
DEPTH	AZ	DIP	DEPTH	AZ	DIP	DEPTH	AZ	DIP	
TOP OF WEDGES									
LOGGED BY		STARTED	COMPLETED		COMMENTS				
Peter Fischer		June 22/00	June 30/00						
DRILLED BY									
Keith Allen									

Novawest Resources Inc.
DDH # BK00-09

DEPTH (m)		SPLE #	Min	ROCK	DESCRIPTION	Mag
FROM	TO					
0	59.4			OB	Casing, Overburden. Clay and boulders	
					Note: Kimberlite is described using a code. See appended Kimberlite Legend	
59.4	154.5			Kimberlite	**Type A 18 a b c e g I alpha beta delta epsilon zeta (thita), FF**. Core very soft, very water-adsorbent but solid enough to be taken from the box and looked at from all sides. Colour medium green-gray. Very similar to Hole BK00-08, 52.4 - 99m. **Clasts:** 30-40% , 1/4 sediments, white to light green, , carbonate and siltstone; 1/4 gabbro and diabase, 1/4 fine grained mafic fragmentals, 1/4 otherUM, serp,dense sediments?. Individual clasts: At 65.2m and 75m 4 cm kimberlite autolith clasts, vfg; 76.3m 3cm clast of UM garnetlherzolite: cg, large olivine enclosing 20 % garnets (red and 1/2 **lavender)** and 10-20% chrome-diopside; at 77.4m and 78.3m each 3 kimberlite autoliths 1-2cm, vfg; 83.8m1.5cm very soft phlogopite clast, (altered UM?) 1.5cm; 86.2m 1cm UM clast: large oliv enclosing 4 **lavender garnets** and 2 1mm chrome diopsides; 88.7m 1cm UM clast, garnet lherzolite, with lavender garnets and Cr-diopside; 99m 3x5cm autolith; 99.4m 3cm lherzolite, alt'd oliv and 10% 0.5-2mm Cr-diopside, and 2cm autolith; 119-199.5m 30cm carb sed clast; 139.9 and141.4m 15cm autolith and 4cm autolith.	0.3 - 1.4
59.4	154.5 cont'd			Kimberlite	**Phenocrysts:** Mostly olivine; common accessories: red and brown garnet, oxide, phlogopite. Trace: lavender garnet, chrome diopside, perovsikte. Abundance of phenocrysts of these minerals: Number of grains was counted on whole surface of all core pieces and is presented here, as number of grains per 10 m core. The abundance varies slightly. For each mineral it is given for successive 10m portions downhole starting at 61m depth (200ft) Note: From 107m core is extremely soft and crumbly, could not be taken out of box: **Lavender garnet:** 18, 13, 6, 13, 6, 0, 0, 0, 0, 0, Garnet, rebd brown: 41, 43, 55, 51, 41, (start of mushy core) 5, 6, 9, 4, 21; Oxide: 56, 42, 39, 21, 5, (start of mushy core) 8, 6, 5, 2; Phlogopite: 100, 103, 82, 48, 42, (start of mushy core)30, 35, 32, 36, 40, 38; Chrome diopside: 2, 1, 1, 7, 3, 0, 0, 0, 0, 3. **Flow Fabric:** Common but weak to 100m; not distiguishable 100 - 154m due to mushy core. Degrees rel core axis: 45-60degr CA at 60-76m; 60-70 degr at76-82m; 50-65 at 82-100m. NFF 100 - 154m	0.3 - 1.4
59.4	154.5 cont'd			Kimberlite	**Magn Susc.** At 5 ft intervals: 0.85 0.9 0.81 0.72 0.82 0.59 1.06 0.75 0.89 1.4 0.84 1.0 1.05 0.88 0.81 1.13 0.87 0.87 0.74 0.73 0.99 1.6 0.83 0.95 0.79 1.03 1.87 1.85 1.27 1.35 1.99 1.42 1.31 1.17 1.43 1.67 1.88 1.39 1.34 1.02 0.92 1.4 1.3 1.23 1.1 1.14 1.02 0.54 0.65 1.18 0.75 0.58 0.57 1.18 0.78 0.56 1.0 3.07 0.5 0.36 0.4 0.3 0.27. **Transition** to following over 1 m, marked by30% dm size carbonate sediment clasts. Contact at 154.5m at 30 degrees to core axis, as clst-rich kimberlite beccia.	0.3 - 1.4

154.5	156.4			Carbonate Sediment	Dolomite, brecciated. Colour buff, beige, with 30% cm-size medium green-gray patches. 1cm white calcite vein 60 degr CA at 156.2m . Cotact to following 30 degr CA, sharp, irregular.	0.07
156.4	161.5			Kimberlite	**Type A 18 a b c e g alpha beta (delta epsilon zeta), NFF.** Very similar to above, 154.5m but core hard, solid, not water-adsorbent, not crumbly, soft. . Colour medium brown-gray, down hole becoming spotty, light gray to medium green-gray. Groundmass matrix medium green gray with 0.1-0.5mm dark green olivine and phlogopite, 5-10% small white sed clasts and dense, dark green serp (?) clasts. Larger olivines, 0.5 - 2 mm light gray (talc?). **Clasts:** Total 20-30%, 1/2 sedim, light gray carb, bedded tuff, black; 1/10 diabase and porphyritc basalt; 1/10 ultramafics (dunite, lherzolite, harzb); 2/10 dense serp (?) ; 1/10 fg breccia (? kimberlite??) medium brown, dense matrix, 0.1- 1 mm white clasts. **Phenocrysts:** Mostly olivine, 0.5 - 2 (3) mm, minor to trace: red and brown garnet (comonly broken) oxide, phlogopite. Individual grains: 2 lavender coploured garnets, 3mm, one with rim, at 160.9 and 161.3m **Flow Fabric:** None or extremely weak, 60-80 degre CA. **Magn susc.** at 5 ft intervals: 0.27 0.220.36 0.39. . Gradual transition over 1-2m , by appearance of mottled, spotted character due to different clasts.	0.22 - 0.39
161.5	168.6			Kimberlite	**Type 18 / A 10 a b c e g (h), FF** Core hard, rare fractures. Similar to above (to 161.5m), but lighter colour, spotty appearance due to 30-40% lightic clasts. Several 0.5 - 2 cm ligt gray veins, carbonate. **Clasts;** High clast polpulation, 30-40% 1/4 sediments, mostlu carbonate, 1/4 fine grained gabbro, diabase, pyroxenite, ? dunite? , 1/4 fine grained breccia, soft, buff-greenish/ 1/10 serpentine?, blueish-green, dense. Individual clasts: at 164.3m 2x5cm UM, cpx and hbl?; 165.8m 1.5cm ultramafic: oliv, perovsike(?), zoned. 'Wormy' intergrowth of the 2 minerals; 168.5m calc-silicate(?). white wollastonite(?) and purple garnets; 167.6-169m 5% 1-2cm clsts: hard, light gray, glassy core (serp? jade?) and 1cm soft clay rim. **Phenocrysts:** Mostly olivine, 10-20%. Common trace amounts of red garnets, 2 - 20 mm size, with thin rims, in part broken (3-5 grains per metre), phlogopite, perovskite. 2 grains of lavender garnets 2-3 mm, at: 161.5m, 166.4m **No Flow Fabric. Magn Susc:** 5 ft intervals0.32 0.33 0.34 0.28 0.39. Sharp gradation over 20 cm. Sharp colour change to homogeneous medium to dark gray (wet).	0.28 - 0.39
				Kimberlite		
				EOH	End of Hole	

Novawest Resources Inc.

DDH #	PROPERTY	NTS	Twp	Lot, Conc	DEPTH	AZIMUTH	DIP	LAT	DEPARTURE
BK00-10	Bucke Pipe		Bucke Twp, ON	Lot 4, N 1/2, Conc 5 and Lot 5, N 1/2, Conc 5	150.0 m	225	50	675.5 m N	21. 0 m W
INCLINATION AND TROPARI TESTS									
DEPTH	AZ	DIP	DEPTH	AZ	DIP	DEPTH	AZ	DIP	
TOP OF WEDGES									
LOGGED BY		STARTED	COMPLETED		COMMENTS				
Peter Fischer		July 09/00	July 22/00						
DRILLED BY									
Keith Allen									

Novawest Resources Inc.
DDH # BK00-10

DEPTH (m)		SPLE #	Min	ROCK	DESCRIPTION	Mag
FROM	TO					
0	60			OB	Casing, Overburden. Clay to approximately m, boulders and clay	
					Note: Kimberlite is described using a code. See appended Kimberlite Legend	
60	101.8			Kimberlite	**Type A 18 a b c e g l alpha beta (epsilon) zeta, FF?** Core very soft and crumbly and water-adsorbent to 96.9m, fairly solid to 101.8m. Colour medium green-gray. Detailed observations restricted to upper portion sof come (core is too soft to be taken out of box). Clasts: 30-40%. 1/2 sediment, 1/4 gabbro/diabase, 1/10 autolithic kimberlite, 1/10 mafic/ultramafic, vfg. at 62.2m 20cm clast of carbonate sediment, buff colour. at 66.1m clast of carb sediment, 15 cm. At 83.5 m a 20 mm size kimberlite autolith , concentric, consisting of 2 types. **Phenocrysts:** on upper side of core, mostly olivine. 60 - 73 m, number of minor (other than olivine) phenocrysts per successive 3m intervals, starting at 197m: Garnet, red: 2, 2, 2, 13; oxide 1, 1, 0, 7; phlogopite: 2, 2, 0, 7; garnet (lavender) 0, 0, 0, 1. **From 73m to 97.5 m** (core very soft, crumbly, in part rubble) **phenocrysts** (other than olivine) , on upper and lower core surface (core can be taken out of box). Number of phenocrysts per successive 3 m intervals, starting at 73m: Red garnet: 7, 13, 11, 5, 4, 4, 1, 10; oxide 10, 13, 7, 2, 4, 0, 0, 0, ; phlogopite 13, 14, 12 21, 22, 12, 7, 9. Phlogopite grains up to 15 mm size lavender garnet 2, 0,	0.4 - 1.03
60	101.8 cont'd			Kimberlite	Red garnet: 7, 13, 11, 5, 4, 4, 1, 10; oxide: 10, 13, 7, 2, 4, 0, 0, 0, phlogopite: 13, 14, 12, 21, 22, 12, 7, 9; lavender garnet: 2, 0, 1, 1, 1, 0, 0; chrome diopside (max 1mm) 3, 1, 0, 0, 1, 0, 0. Core very soft, crumbly 85 - 97m. **From 97.5 - 101.8 m phenocrysts** (core soft but hard enough to be handled): Red garnet 26, oxide 9. phlogopite 17, lavender garnet 3, chrome diopside 0; **Magn. Susc.:** at 5 ft intervals, starting at 60m: 0.5 0.8 1.03 0.62 0.66 0.77 0.8 0.5 0.45 0.87 0.67 0.46 0.6 0.75 0.42 0.7 0.64 0.47 0.44 0.55 0.55 0.39 0.67 0.61 0.83 0.51	0.4 - 1.03
101.8	128.6			Diabase	Olivine-diabase. Massive, medium grained (0.5 - 2 mm grain size), subophitic, approx. 50% Femags. At 102.9 m 2 % pyrite over 10 cm as 1-5mm patches in fractures. Fracturing: 102 - 113m moderate to strong, 20 fract / m, 20-60 degr rel CA; 113-119.8m weak, 10 fract/m; 119.8-120.7m strong fracturing and fault with asbestos; 120.7-122.8m moderate fracturing, 10/m; 122.8-123.0m fault, 60 degr CA with 5 cm long asbestos and actinolite fibres, 30 degr CA, normal to fault; 123 - 128.6m moderate fracturing, 10-20/m, with calcite filling. **Chill** phase 123 - 128.6m, gradation to fine chill phase at contact. Contact to following developed as breccia with chlorite matrix. Contact not preserved. **Magn Susc,** at 5 ft intervals, starting at 102m: 0.46 14.3 5.35 16.9 16.5 0.5 0.33 0.48 0.87 8.95 9.4 15.9 0.4 1.3 0.4 0.4 0.4 10.3	0.33 - 16.9

128.6	146.9			Gowganda Fm	Metasediments of the Gowganda Formation. Lithology: Bedded, very fine grained arkose, siltstone. Hard, brittle. 128.6 - 129m breccia with white calcite matrix. 129 - 130m: Breccia of Gowganda fragments, randomly oriented, 10 - 20 cm size. Bedding varies strongly from 30, to 60 to 0 degrees rel to core axis. 130 - 146m: Rubble, fault zone. Stronly varying bedding attitudes relative to core axis. **Magn Susc**, at 5 ft intervals, starting at 129.5m: 2.0 0.5 7.1 17.2 9.6 17.2 16.4 18.9 1.53	0.5 - 18.9
	146.9			EOH	End of Hole	

Novawest Resources Inc.

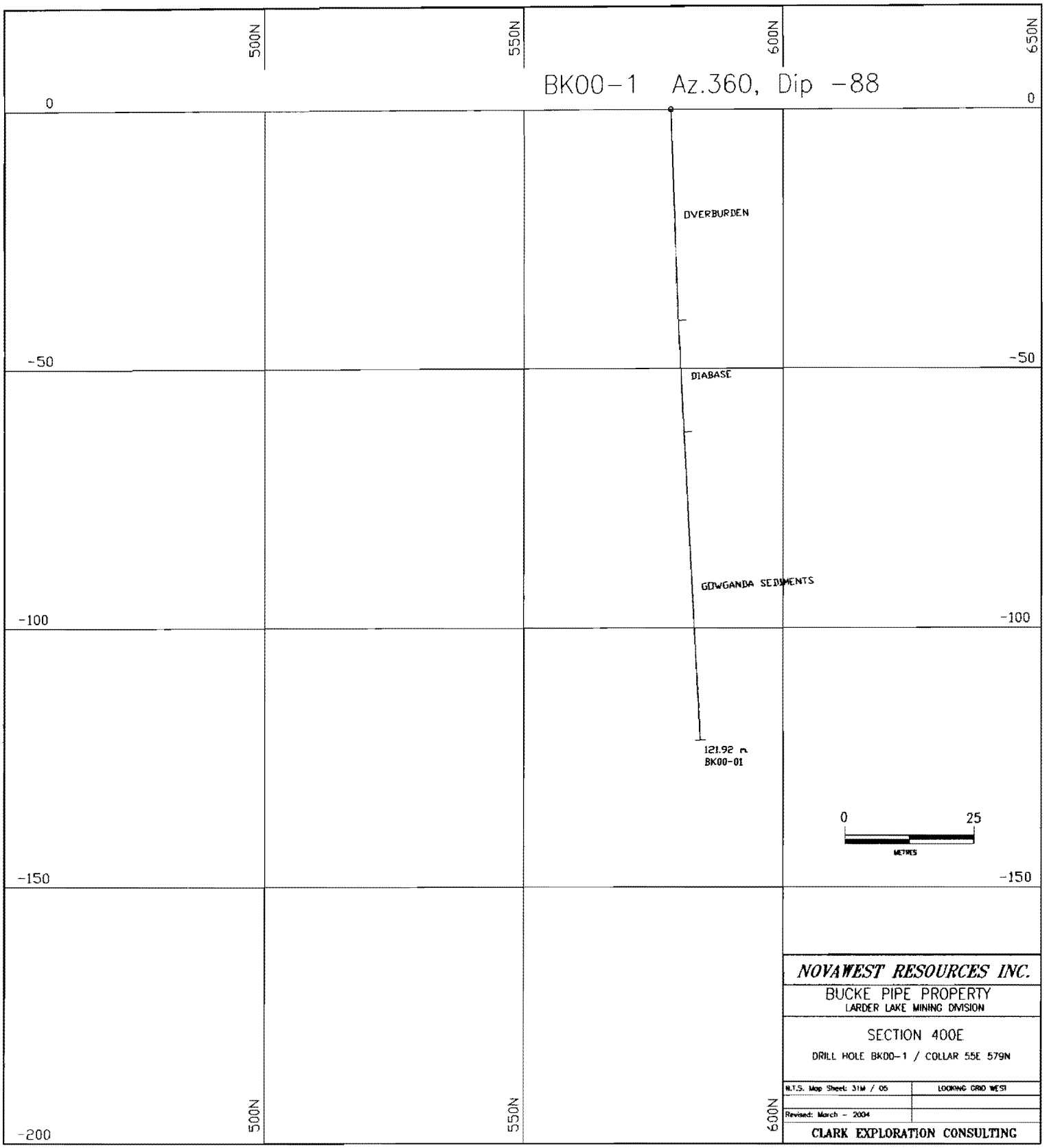
DDH #	PROPERTY	NTS	Twp	Lot, Conc	DEPTH	AZIMUTH	DIP	LAT	DEPARTURE
BK00-11	Bucke Pipe		Bucke Twp, ON	Lot 4, N 1/2, Conc 5 and Lot 5, N 1/2, Conc 5	142.6 m	180	50	725.5 m N	21. 0 m W
INCLINATION AND TROPARI TESTS									
DEPTH	AZ	DIP	DEPTH	AZ	DIP	DEPTH	AZ	DIP	
TOP OF WEDGES									
LOGGED BY		STARTED	COMPLETED		COMMENTS				
Peter Fischer		July 25/00	Aug.?/00						
DRILLED BY									
Keith Allen									

Novawest Resources Inc.
DDH # BK00-11

DEPTH (m)		SPLE #	Min	ROCK	DESCRIPTION	Mag
FROM	TO					
0				OB	Casing, Overburden. Clay to approximately m, boulders and clay	
					NO LOGGING INFORMATION	
	142.6 M			EOH	End of Hole	

Appendix II

Drill Hole Sections



NOVAWEST RESOURCES INC.

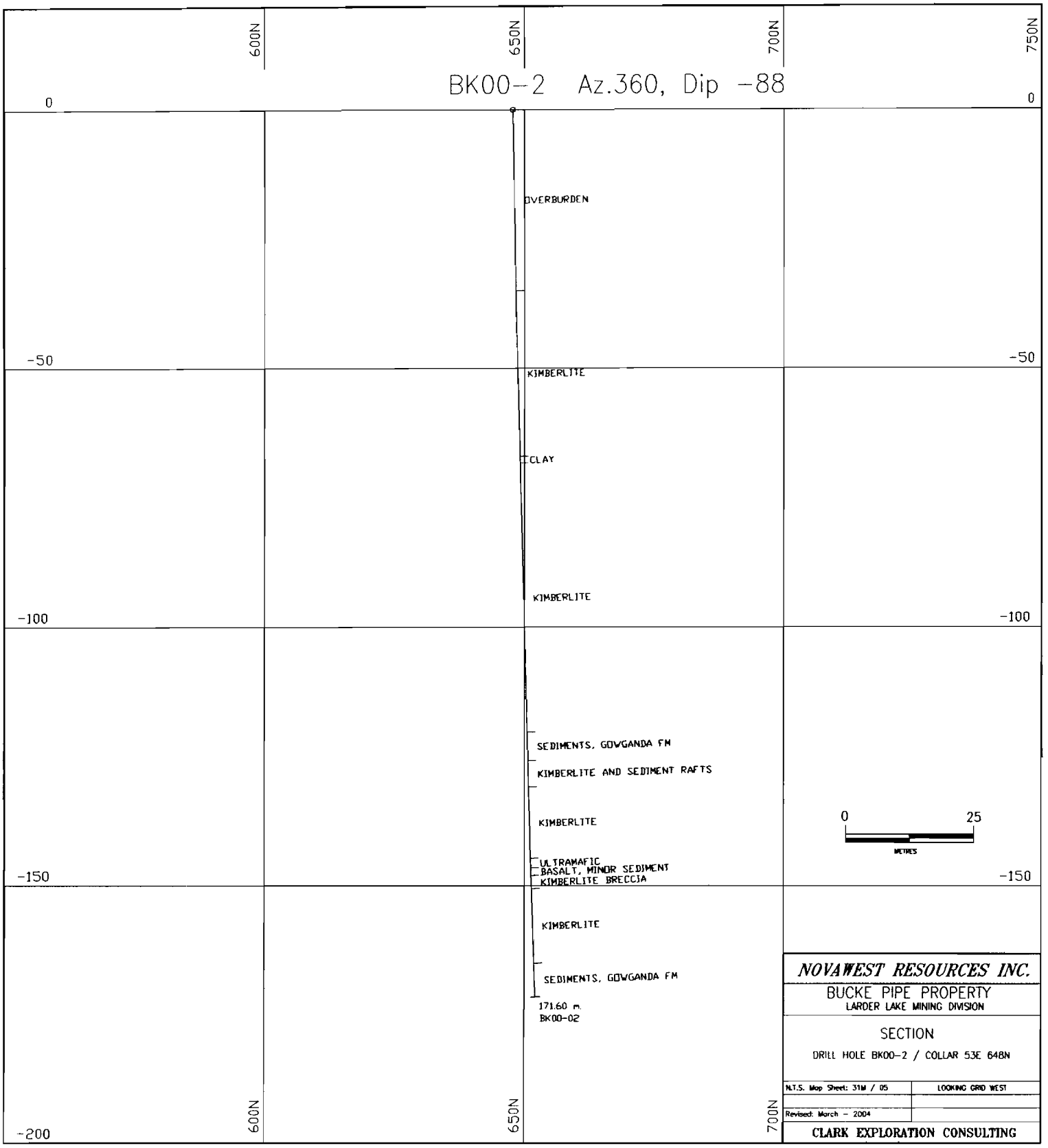
BUCKE PIPE PROPERTY
LARDER LAKE MINING DIVISION

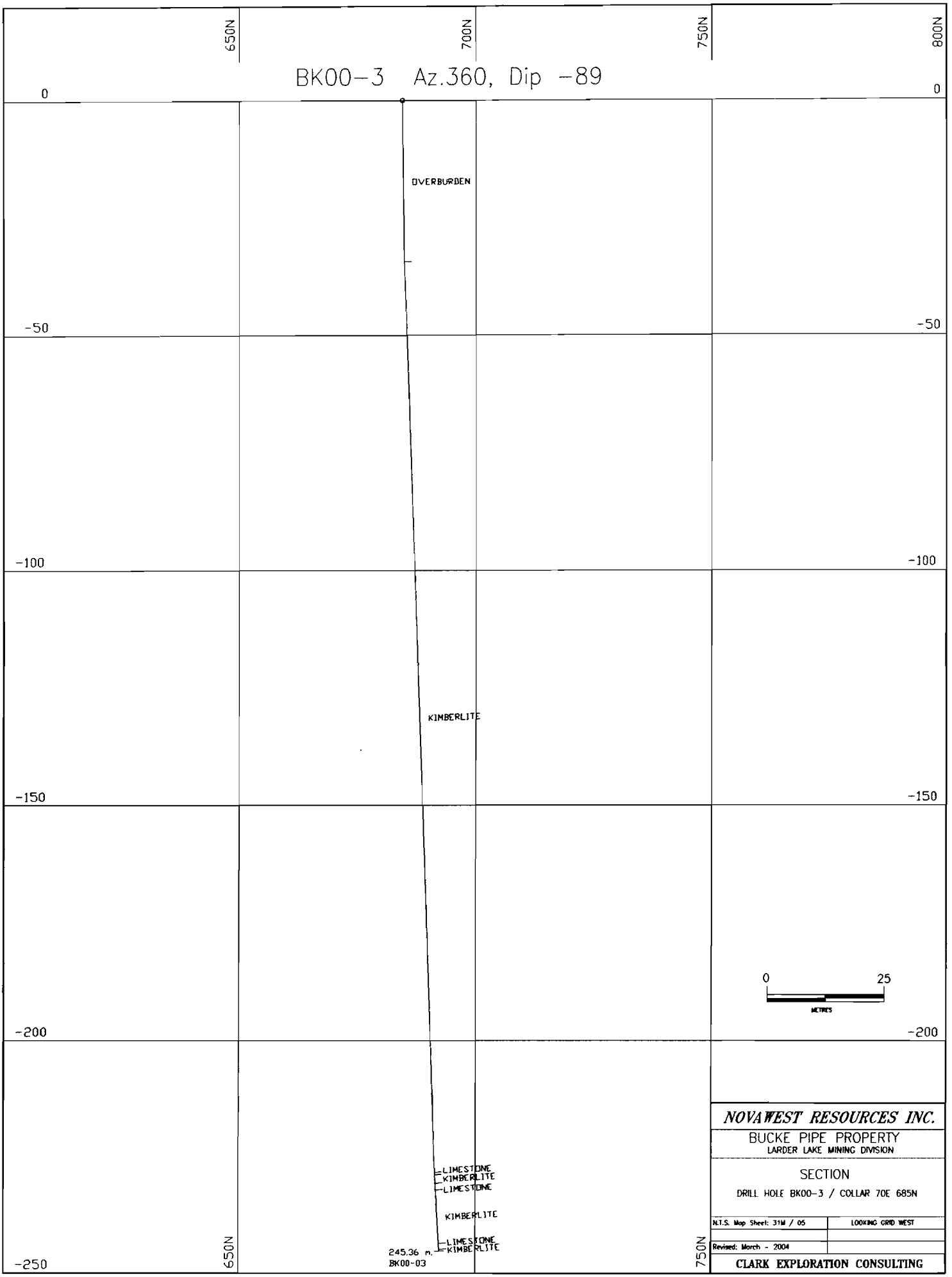
SECTION 400E

DRILL HOLE BK00-1 / COLLAR 55E 579N

N.T.S. Map Sheet: 31M / 05	LOOKING GRID WEST
Revised: March - 2004	

CLARK EXPLORATION CONSULTING


600N
650N
700N
750N
BK00-2 Az.360, Dip -88
0
0
OVERBURDEN
-50
-50
KIMBERLITE
CLAY
KIMBERLITE
-100
-100
SEDIMENTS, GOWGANDA FM
KIMBERLITE AND SEDIMENT RAFTS
KIMBERLITE
ULTRAMAFIC
BASALT, MINOR SEDIMENT
KIMBERLITE BRECCIA
-150
-150
0
25
METRES
KIMBERLITE
SEDIMENTS, GOWGANDA FM
171.60 m.
BK00-02
-200
600N
650N
700N
NOVAWEST RESOURCES INC.
BUCKE PIPE PROPERTY
LARDER LAKE MINING DIVISION
SECTION
DRILL HOLE BK00-2 / COLLAR 53E 648N
N.T.S. Map Sheet: 31M / 05
LOOKING GRID WEST
Revised: March - 2004
CLARK EXPLORATION CONSULTING



NOVAWEST RESOURCES INC.

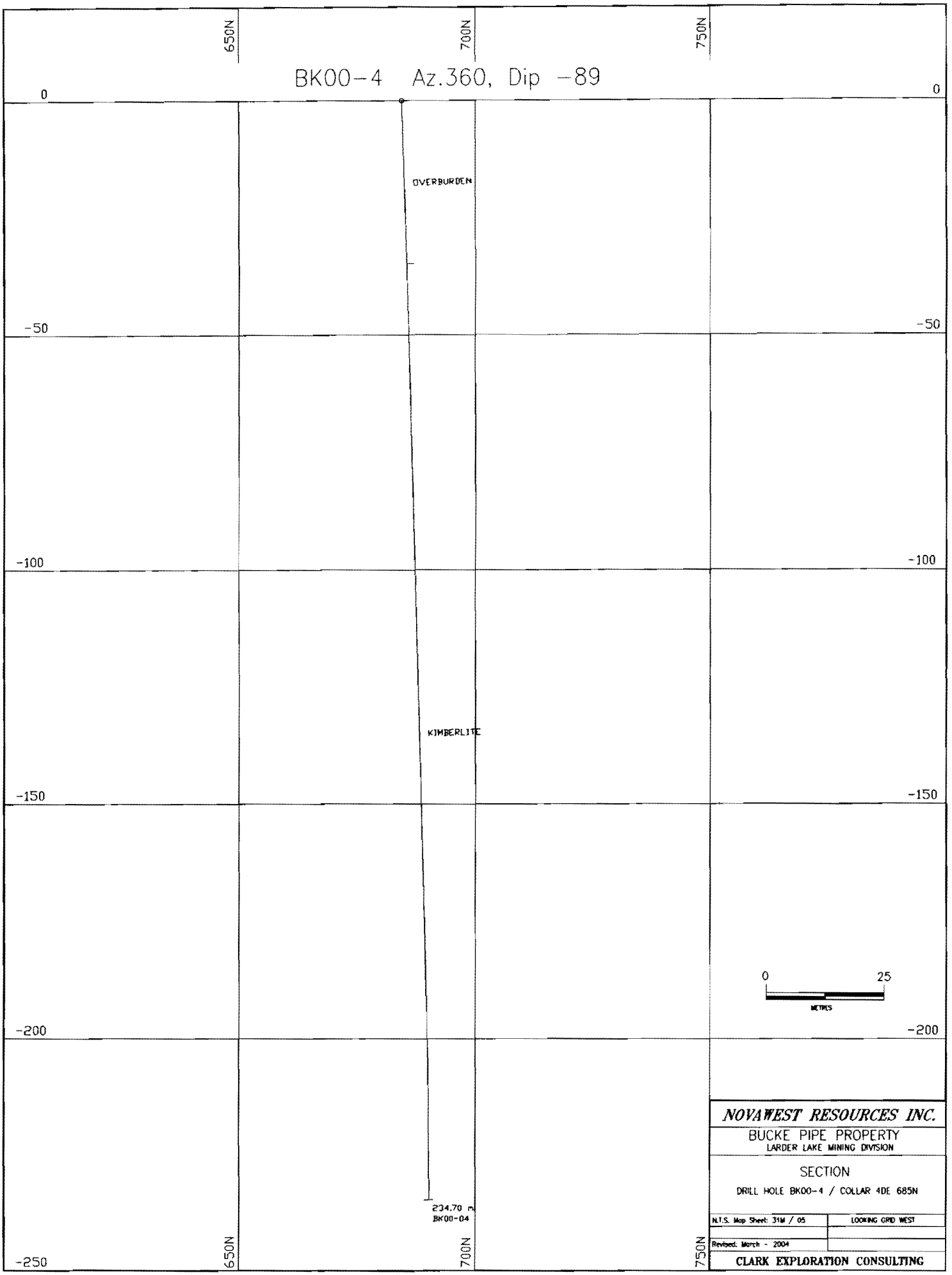
BUCKE PIPE PROPERTY
LARDER LAKE MINING DIVISION

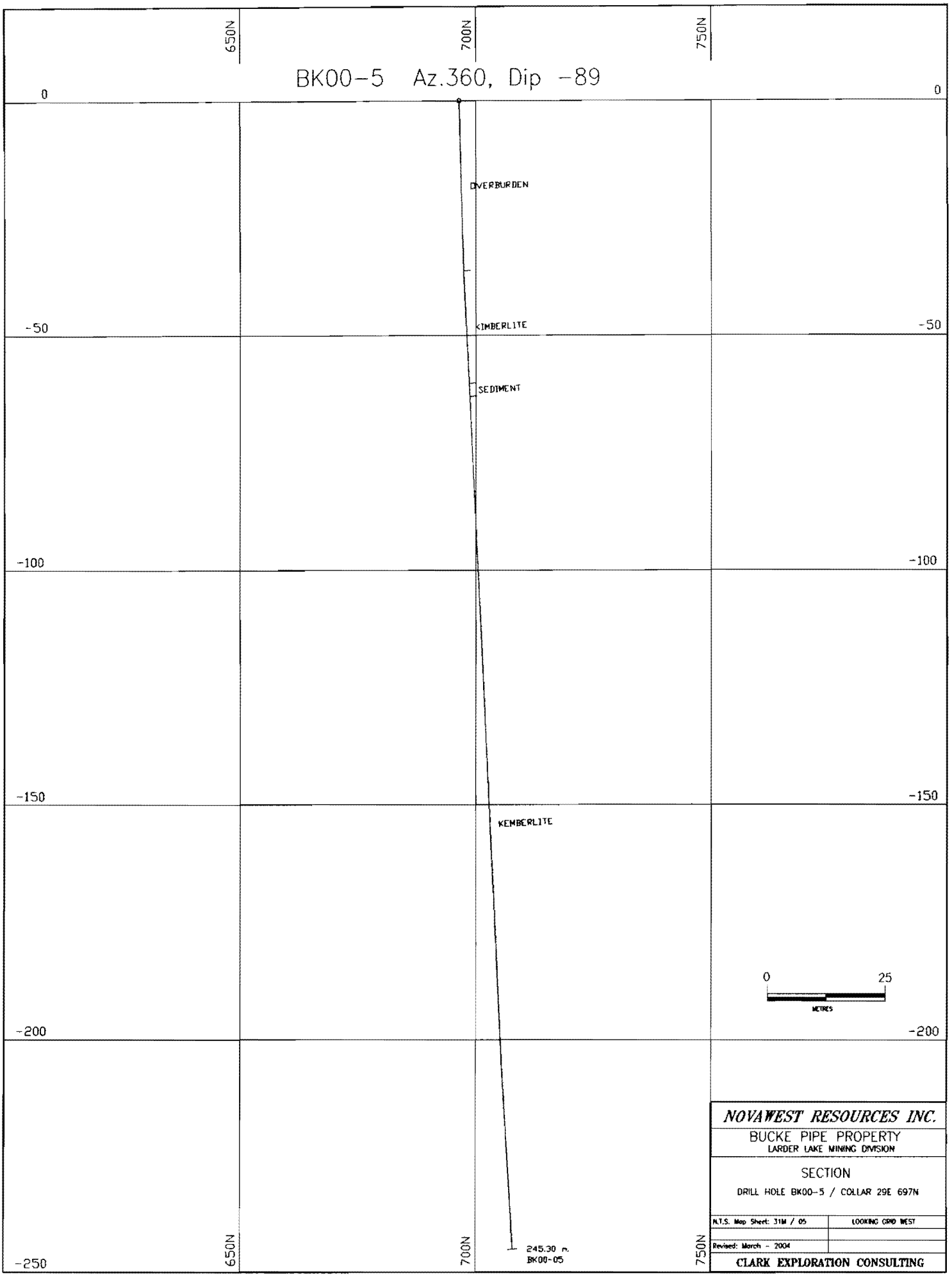
SECTION

DRILL HOLE BK00-3 / COLLAR 70E 685N

N.T.S. Map Sheet: 31M / 05	LOOKING GRID WEST
Revised: March - 2004	

CLARK EXPLORATION CONSULTING


650N
700N
750N
BK00-4 Az.360, Dip -89
0
0
OVERBURDEN
-50
-50
-100
-100
KIMBERLITE
-150
-150
0
25
METRES
-200
-200
234.70 m
BK00-04
-250
650N
700N
750N
NOVAWEST RESOURCES INC.
BUCKE PIPE PROPERTY
LARDER LAKE MINING DIVISION
SECTION
DRILL HOLE BK00-4 / COLLAR 4DE 685N
N.T.S. Map Sheet: 31M / 05
LOOKING GRID WEST
Revised: March - 2004
CLARK EXPLORATION CONSULTING



NOVAWEST RESOURCES INC.

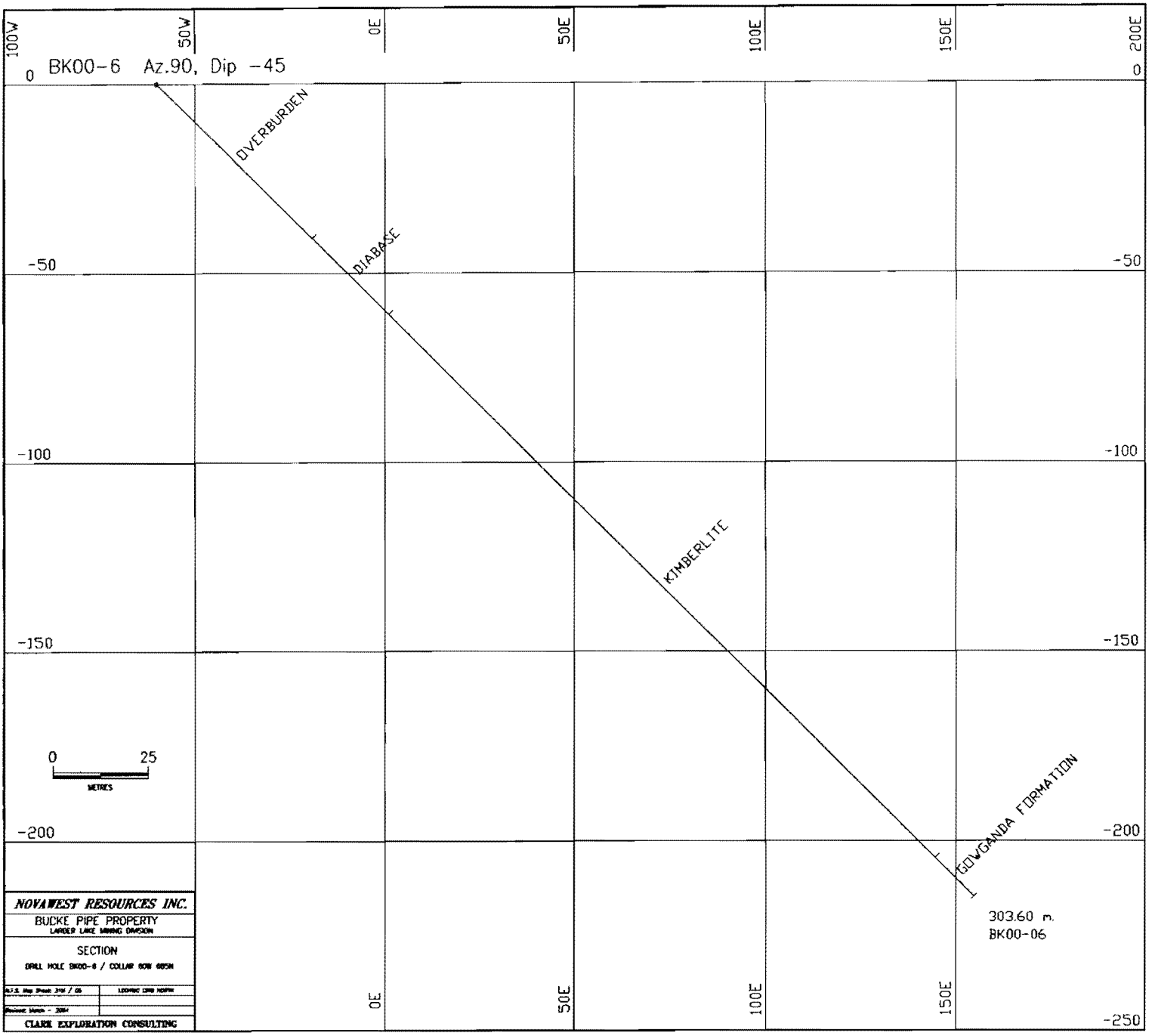
BUCKE PIPE PROPERTY
LARDER LAKE MINING DIVISION

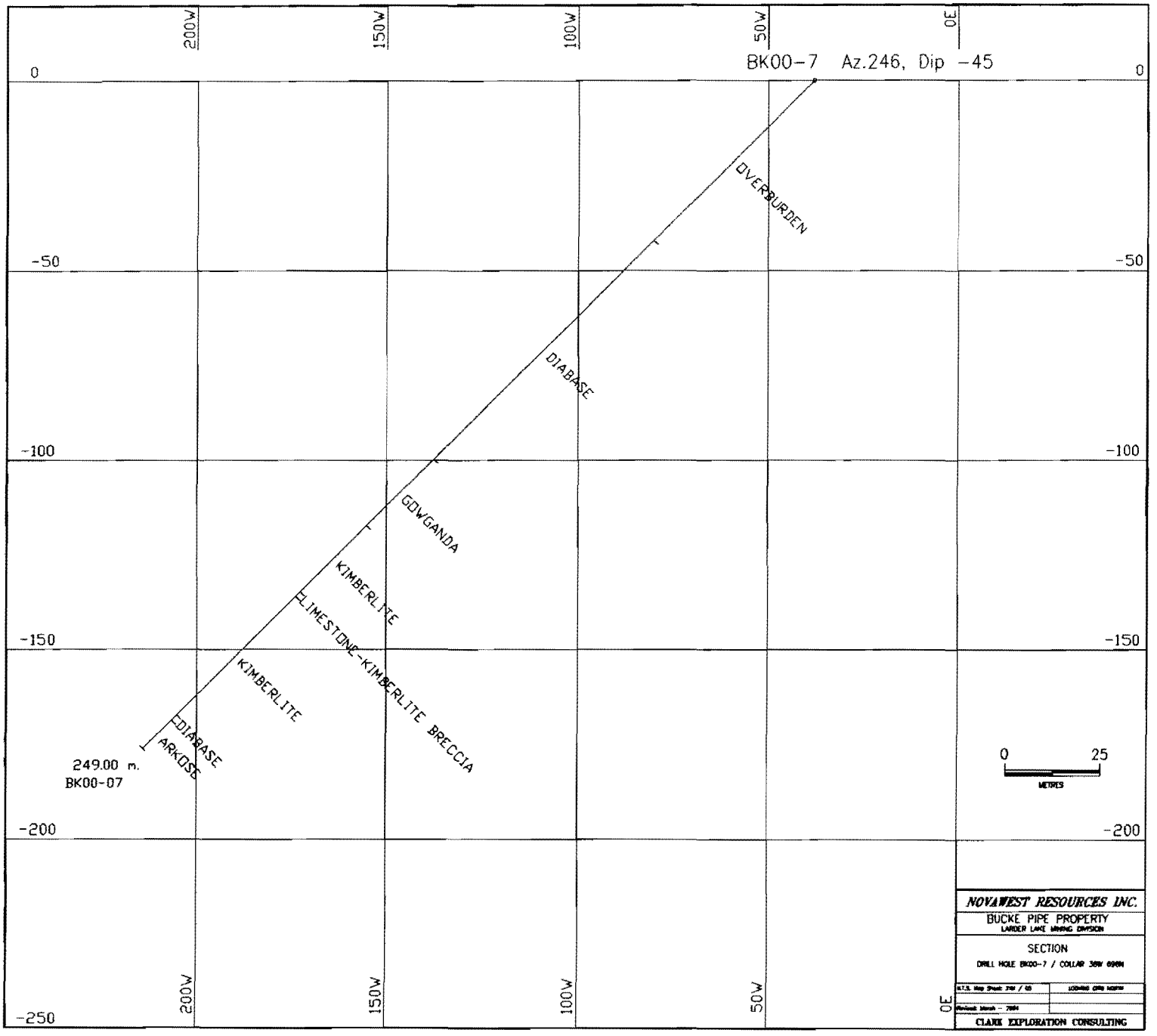
SECTION

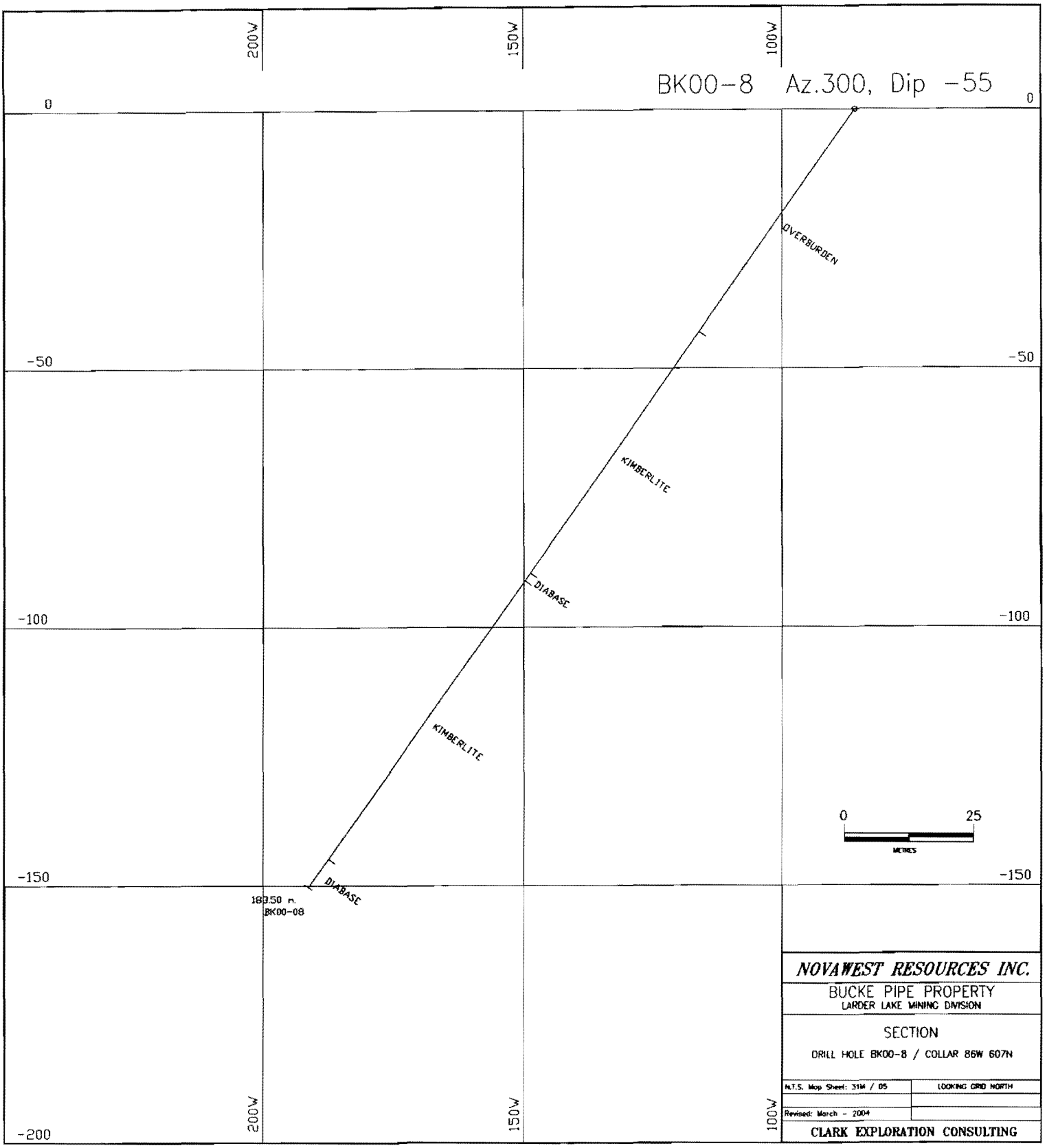
DRILL HOLE BK00-5 / COLLAR 29E 697N

N.T.S. Map Sheet: 31M / 05	LOOKING GRID WEST
Revised: March - 2004	

CLARK EXPLORATION CONSULTING


100W
50W
0E
50E
100E
150E
200E
0
BK00-6 Az.90, Dip -45
OVERBURDEN
DIABASE
KIMBERLITE
GOWGANDA FORMATION
303.60 m.
BK00-06
-50
-100
-150
-200
-250
0
25
METRES
NOVAWEST RESOURCES INC.
BUCKE PIPE PROPERTY
LARDER LAKE MINING DIVISION
SECTION
DRILL HOLE BK00-6 / COLLAR 60W 60SN
CLARK EXPLORATION CONSULTING


200W
150W
100W
50W
0E
BK00-7 Az.246, Dip -45
0
-50
-100
-150
-200
-250
OVERBURDEN
DIABASE
GOWGANDA
KIMBERLITE
LIMESTONE-KIMBERLITE BRECCIA
KIMBERLITE
DIABASE
ARKOSE
249.00 m.
BK00-07
0
25
METRES
NOVAWEST RESOURCES INC.
BUCKE PIPE PROPERTY
LARDER LAKE MINING DIVISION
SECTION
DRILL HOLE BK00-7 / COLLAR 36W 69N
CLARK EXPLORATION CONSULTING



NOVAWEST RESOURCES INC.

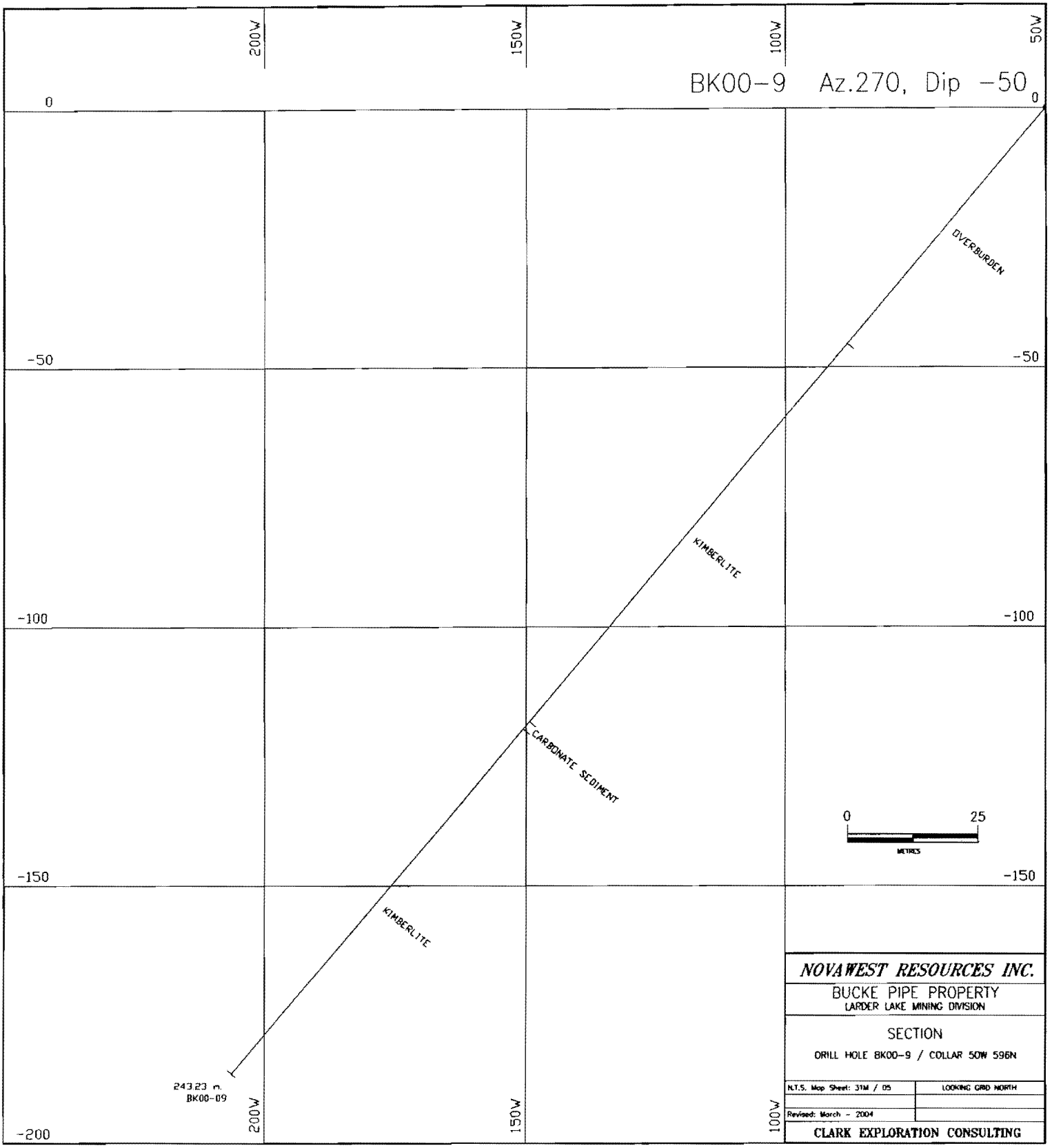
BUCKE PIPE PROPERTY
LARDER LAKE MINING DIVISION

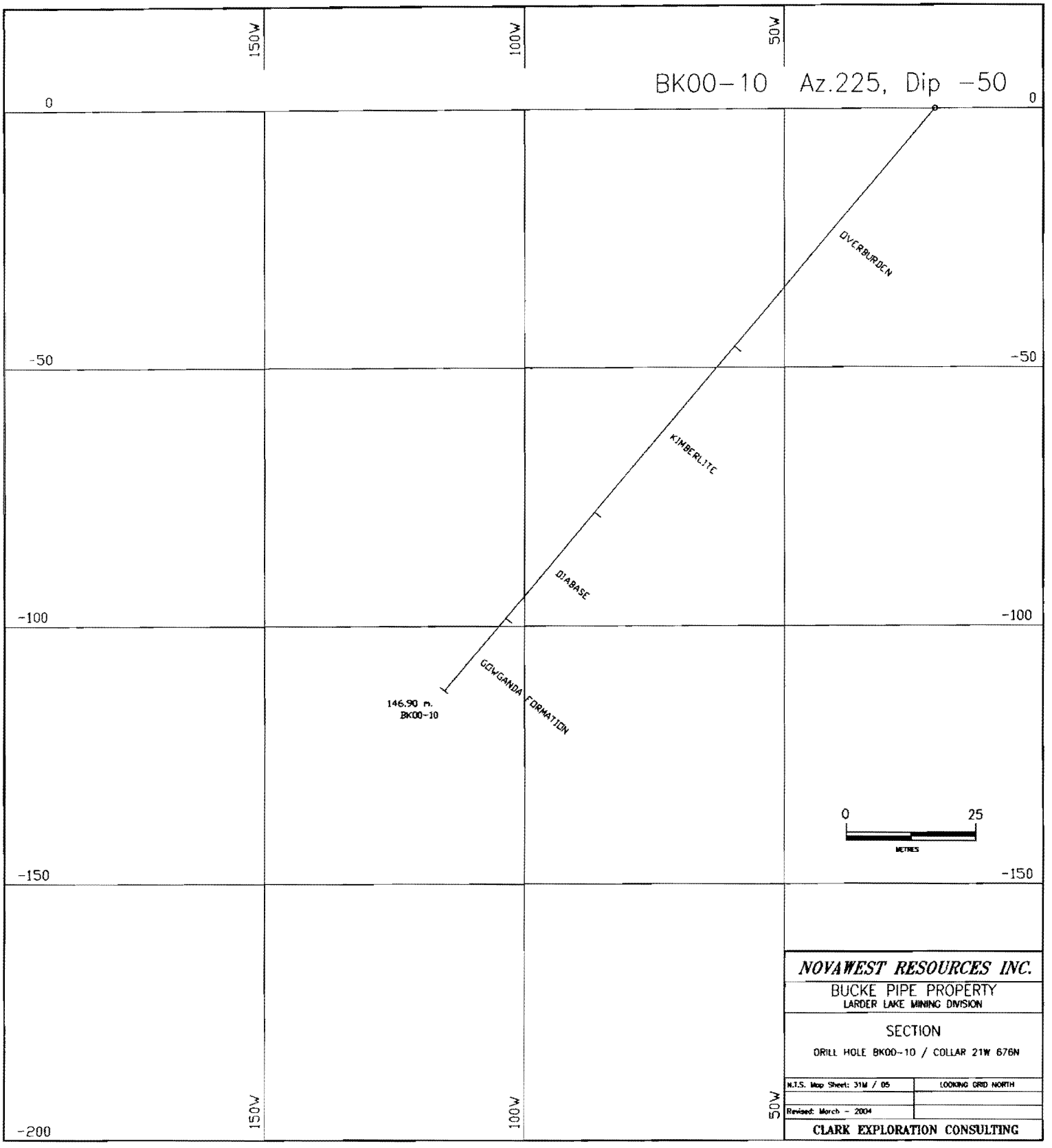
SECTION

DRILL HOLE BK00-8 / COLLAR 86W 607N

N.T.S. Map Sheet: 31M / 05	LOOKING GRID NORTH
Revised: March - 2004	

CLARK EXPLORATION CONSULTING


200W
150W
100W
50W
BK00-9 Az.270, Dip -50
0
0
-50
-50
-100
-100
-150
-150
-200
OVERBURDEN
KIMBERLITE
CARBONATE SEDIMENT
KIMBERLITE
243.23 m.
BK00-09
0
25
METRES
NOVAWEST RESOURCES INC.
BUCKE PIPE PROPERTY
LARDER LAKE MINING DIVISION
SECTION
DRILL HOLE BK00-9 / COLLAR 50W 596N
N.T.S. Map Sheet: 31M / 05
LOOKING GRID NORTH
Revised: March - 2004
CLARK EXPLORATION CONSULTING



NOVAWEST RESOURCES INC.

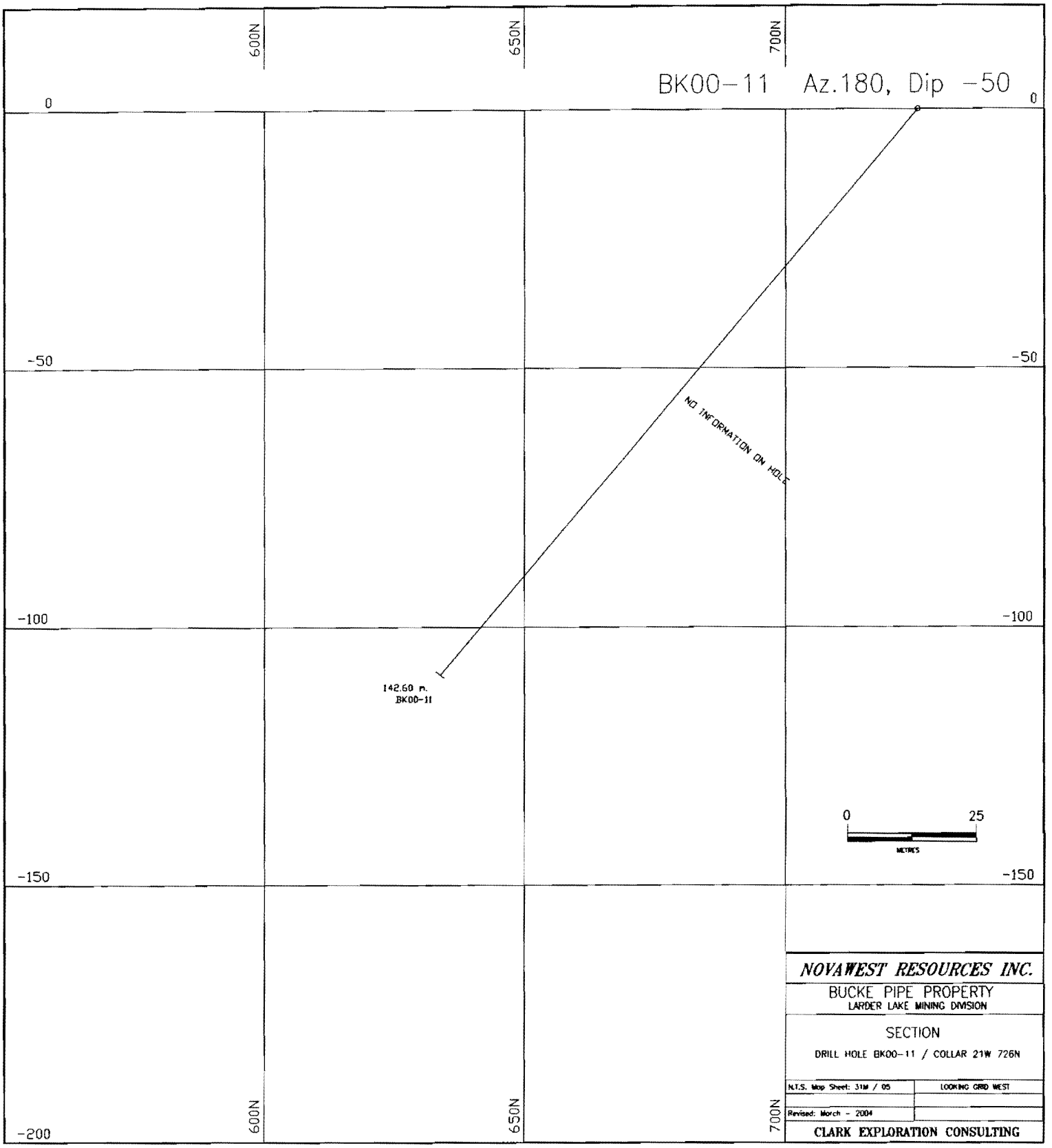
BUCKE PIPE PROPERTY
LARDER LAKE MINING DIVISION

SECTION

DRILL HOLE BK00-10 / COLLAR 21W 676N

N.T.S. Map Sheet: 31M / 05	LOOKING GRID NORTH
Revised: March - 2004	

CLARK EXPLORATION CONSULTING



NOVAWEST RESOURCES INC.

BUCKE PIPE PROPERTY
LARDER LAKE MINING DIVISION

SECTION

DRILL HOLE BK00-11 / COLLAR 21W 726N

N.T.S. Map Sheet: 31M / 05	LOOKING GRID WEST
Revised: March - 2004	

CLARK EXPLORATION CONSULTING

Appendix III

Diamond Certificate of Analysis

LakefieldResearch
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2038 FAX: 705-652-6441

Lakefield, January 25, 2001

Novawest
Attn : Patrick D. O'Brien

Second Floor, 827 West Pender St.
Vancouver, B.C. -
Canada

Date Rec. : 02 January 2001
LR. Ref. : MI0002-JAN01
Project : 8901-284

CERTIFICATE OF ANALYSIS

SAMPLE ID	WT KG.	# POURS	DIAMONDS #	DIAMONDS (ct)
1: NW1 BK00-6 86-94.0m	22.94	3	0	0.000
2: NW2 BK00-6 94-102.0m	21.00	3	0	0.000
3: NW3 BK00-6 264-272.0m	22.58	3	0	0.000
4: NW4 BK00-6 272-280.0m	24.44	4	0	0.000
5: NW5 BK00-6 280-288.0m	30.47	4	0	0.000
6: NW6 BK00-6 122.5-130.5m	23.66	3	0	0.000
7: NW7 BK00-6 130.5-138.5m	23.61	3	0	0.000
8: NW8 BK00-6 170-178.0m	23.07	3	0	0.000
9: NW9 BK00-7 165.9-170.3	23.72	3	0	0.000
10: NW10 BK00-7 224-232.0m	24.76	3	0	0.000
11: NW11 BK00-7 196-204.0m	23.76	4	0	0.000
12: NW12 BK00-9 71-79.0m	24.79	4	0	0.000
13: NW13 BK00-9 111.0-119.0m	23.44	3	0	0.000
14: NW14 BK00-9 163-171.0m	20.20	3	1	0.001
15: NW15 BK00-9 171-179.0m	26.53	4	0	0.000
16: NW16 BK00-9 227-235.0m	22.52	3	0	0.000

LakefieldResearch

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2038 FAX: 705-652-6441

Report : MI0002-JAN01

SAMPLE ID	WT KG	# POURS	# DIAMONDS	DIAMONDS (ct)
17: NW17 BK00-8 102-110.0m	21.87	3	0	0.000
18: NW18 BK00-8 124-132.0m	25.88	4	0	0.000
19: NW19 BK00-8 160-169	28.97	4	0	0.000
20: NW20 BK00-8 169-177.0m	24.63	4	0	0.000
21: NW21 BK00-7 232-236.22m	12.30	2	0	0.000

Bruce Jago
Manager, Mineralogical Services

Online LIMS

Appendix IV

ICP and Wholerock Certificate of Analysis

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: NOVAWEST RESOURCES INC.

2ND FLOOR, 827 W. PENDER ST.
VANCOUVER, BC
V6C 3G8

A0016419

Comments: ATTN: PAT O'BRIEN CC: P. FISCHER(MAIL)/F. PUSKAS(FAX)

CERTIFICATE A0016419

(PET) - NOVAWEST RESOURCES INC.

Project: BUCKE PIPE
P.O. #:

Samples submitted to our lab in Mississauga, ON.
This report was printed on 28-APR-2000.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	9	Geochem ring to approx 150 mesh
226	9	0-3 Kg crush and split
3202	9	Rock - save entire reject
229	9	ICP - AQ Digestion charge
* NOTE	1:	

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Mn, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 1 of 2

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
975	9	Au ppb: FA ICP package	FA-ICP	2	10000
976	9	Pt ppb: FA ICP package	FA-ICP	5	10000
977	9	Pd ppb: FA ICP package	FA-ICP	2	10000
2118	9	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	9	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	9	As ppm: 32 element, soil & rock	ICP-AES	2	10000
557	9	B ppm: 32 element, rock & soil	ICP-AES	10	10000
2121	9	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	9	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	9	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	9	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	9	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
2126	9	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	9	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	9	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	9	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	9	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	9	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	9	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	9	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	9	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	9	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	9	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	9	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
2138	9	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	9	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	9	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
551	9	S %: 32 element, rock & soil	ICP-AES	0.01	5.00
2141	9	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	9	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	9	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	9	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
2145	9	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	9	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	9	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	9	W ppm: 32 element, soil & rock	ICP-AES	10	10000

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Comments: ATTN: PAT O'BRIEN CC: P. FISCHER(MAIL)/F. PUSKAS(FAX)

CERTIFICATE A0016419

(PET) - NOVAWEST RESOURCES INC.

Project: BUCKE PIPE
P.O. # :

Samples submitted to our lab in Mississauga, ON.
This report was printed on 20-APR-2000.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	9	Geochem ring to approx 150 mesh
226	9	0-3 Kg crush and split
3202	9	Rock - save entire reject
219	9	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES 2 of 2

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
2149	9	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000
902	6	Al2O3 %: XRF	XRF	0.01	100.00
906	6	CaO %: XRF	XRF	0.01	100.00
2590	6	Cr2O3 %: XRF	XRF	0.01	100.00
903	6	Fe2O3 %: XRF	XRF	0.01	100.00
908	6	K2O %: XRF	XRF	0.01	100.00
905	6	MgO %: XRF	XRF	0.01	100.00
1989	6	MnO %: XRF	XRF	0.01	100.00
907	6	Na2O %: XRF	XRF	0.01	100.00
909	6	P2O5 %: XRF	XRF	0.01	100.00
901	6	SiO2 %: XRF	XRF	0.01	100.00
904	6	TiO2 %: XRF	XRF	0.01	100.00
910	6	LOI %: XRF	XRF	0.01	100.00
2560	6	Total %	CALCULATION	0.01	105.00
2891	6	Ba ppm: XRF	XRF	5	50000
2067	6	Rb ppm: XRF	XRF	2	50000
2898	6	Sr ppm: XRF	XRF	2	50000
2973	6	Nb ppm: XRF	XRF	2	50000
2978	6	Zr ppm: XRF	XRF	3	50000
2974	6	Y ppm: XRF	XRF	2	50000

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Total Pages : 1
Certificate Date: 20-APR-2000
Invoice No. : I0016419
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Account : PET

Project : BUCKE PIPE
Comments: ATTN: PAT O'BRIEN CC: P. FISCHER(MAIL)/F. PUSKAS(FAX)

CERTIFICATE OF ANALYSIS A0016419

SAMPLE	PREP CODE		Au ppb ICP	Pt ppb ICP	Pd ppb ICP	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %
P163579	205	226	4	5	12	< 0.2	4.38	6	< 10	30	< 0.5	< 2	2.28	< 0.5	40	36	102	4.15	< 10	1	0.16
P163580	205	226	< 2	10	14	0.2	4.47	< 2	< 10	30	< 0.5	< 2	2.30	< 0.5	37	32	106	3.82	< 10	< 1	0.19
P163581	205	226	< 2	10	22	< 0.2	4.43	4	< 10	20	< 0.5	< 2	2.26	< 0.5	33	27	109	3.84	< 10	< 1	0.16
P163582	205	226	< 2	10	16	< 0.2	4.64	2	< 10	30	< 0.5	< 2	2.40	< 0.5	29	25	116	3.27	< 10	< 1	0.17
P163583	205	226	< 2	10	22	< 0.2	4.24	6	< 10	10	< 0.5	< 2	1.75	< 0.5	39	57	115	4.51	< 10	< 1	0.14
P163584	205	226	< 2	10	18	0.2	3.33	36	< 10	10	< 0.5	< 2	2.53	< 0.5	41	86	105	4.61	< 10	< 1	0.21
P163585	205	226	< 2	< 5	< 2	< 0.2	3.22	4	< 10	90	< 0.5	< 2	0.24	< 0.5	23	130	6	5.37	< 10	< 1	0.60
P163586	205	226	10	< 5	2	< 0.2	3.25	8	< 10	90	< 0.5	< 2	0.18	< 0.5	24	124	8	5.43	< 10	< 1	0.53
P163587	205	226	< 2	< 5	< 2	< 0.2	3.56	4	< 10	70	< 0.5	< 2	0.18	< 0.5	28	126	4	5.23	< 10	< 1	0.45

CERTIFICATION: Lawrence Ng

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Project : BUCKE PIPE
Comments: ATTN: PAT O'BRIEN CC: P. FISCHER(MAIL)/F. PUSKAS(FAX)

CERTIFICATE OF ANALYSIS A0016419

SAMPLE	PREP CODE		La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Al2O3 % XRF
P163579	205	226	< 10	2.48	395	1	0.49	209	180	< 2	0.07	< 2	2	89	0.07	< 10	< 10	80	< 10	40	13.28
P163580	205	226	< 10	2.19	345	1	0.51	187	190	< 2	0.06	< 2	2	89	0.07	< 10	< 10	87	< 10	38	13.00
P163581	205	226	< 10	1.85	305	1	0.48	169	180	< 2	0.07	< 2	2	79	0.07	< 10	< 10	89	< 10	34	13.11
P163582	205	226	< 10	1.57	280	1	0.54	135	190	< 2	0.07	< 2	3	96	0.08	< 10	< 10	92	< 10	38	13.41
P163583	205	226	< 10	3.06	370	1	0.36	143	220	< 2	0.08	2	8	149	0.10	< 10	< 10	119	< 10	36	12.84
P163584	205	226	10	3.73	460	3	0.17	99	210	< 2	0.08	< 2	14	225	0.09	< 10	< 10	142	< 10	48	12.33
P163585	205	226	40	1.50	115	1	0.05	68	750	< 2	< 0.01	< 2	3	13	< 0.01	< 10	< 10	41	< 10	10	-----
P163586	205	226	30	1.63	165	1	0.05	67	630	< 2	< 0.01	< 2	4	13	< 0.01	< 10	< 10	45	< 10	12	-----
P163587	205	226	30	1.93	235	2	0.05	69	700	< 2	< 0.01	< 2	4	11	0.01	< 10	< 10	51	< 10	16	-----

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SAMPLE	PREP CODE		CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
P163579	205	226	9.14	< 0.01	12.33	0.46	11.95	0.18	1.69	0.06	48.28	0.61	1.19	99.17	110	22	164	6	51	14
P163580	205	226	9.42	< 0.01	12.16	0.55	11.52	0.18	1.57	0.07	48.80	0.62	1.18	99.07	105	22	168	6	54	14
P163581	205	226	9.53	< 0.01	12.00	0.51	11.43	0.18	1.63	0.06	48.74	0.64	1.28	99.11	100	22	146	6	48	14
P163582	205	226	9.91	< 0.01	11.83	0.49	10.68	0.18	1.60	0.07	48.80	0.67	1.38	99.03	110	18	160	6	51	14
P163583	205	226	8.25	< 0.01	12.02	0.60	11.04	0.16	1.64	0.07	48.20	0.74	3.57	99.17	120	26	216	6	57	14
P163584	205	226	6.78	< 0.01	10.76	2.59	9.49	0.13	1.29	0.07	48.03	0.70	6.74	99.05	190	42	288	8	57	16
P163585	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
P163586	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
P163587	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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