Summary logs 2006 drilling – Howell Property

HW-601, the first hole drilled for the season 2006 at the Howell property was to test the edge of a magnetic anomaly highlighted by a Fugro survey flown in 2003. HW-601 encountered layered sequence of variably intense silica (and ?carbonate/ dolomitic? = Quartz carbonate alteration?) amorphous flooded m grey dense porphyiritic syenites of the cretaceous Flathead intrusive suite and Proterozoic l green orthosiltites and argillaceous varve rich (algal mats?) argillites of the Roosville Fm. The whole package likely dipped 50-60 deg to the west. The tell tale maroon hematitic fine orthoquartzite of the Phillips Fm was intersected further down the hole, indicating that the l green siltite intersected above likely belonged to the Roosville Fm (PR3). Most contacts between intrusives and siliciclastic rocks were brittle and sheared, faulted, or shear brecciated likely due reostatic differences between units during deformation. Alkali intrusives probably intruded already shattered sedimentary contacts. Mineralization occurs in the form of weak hairline fine fracture associated pyrite. Fluorite in the form of hairline veinlets coincides with local aggreagates of coarser pyrite (2-10% locally) and is associated with increase in Au values. Strained contact zones seem more Au anomalous. None of the samples in HW-601 reached 0.5 g/tAu. A destructive crackled clay alteration overprints the grey dense silica (+?) alteration, locally causing a loose bleached crackled zone. Fault gouges were encountered @ 25.10m, 118.26 and 158.35 with multiple sheared or strained contacts between. Most of the structures run roughly parallel to the contacts and beddings, with minor conjugate sets of hairline fractures and cc veinlets. Contacts and bedding attiudes are consistent with a 50 -60 deg west dipping attitude of the layered sequence..

HW-602 was drilled in Grid E to the north and below HW-601, possibly roughly on strike with the previous hole. Again, the drill intersected (Proterozoic?) l grey green dense varvy and silicified siltstones and cretaceous syenite intrusive sills. The telltale hematitic Phillips orthoquartzite bed were not encountered and we cannot tell whether the green unit belongs to the Gateway or the Roosville formation as they are quite similar in description. In HW-602, the l grey silicified/dol laminated silty argillites were first logged as Cambrian siltstone (CB4). They did not include the hematitic Phillips Fm and were noticibly finer grained than the l green sitlite encountered in the first hole. At this moment the CB4 of HW-602 is treated in section as the Gateway Fm (PR1). All dril logs from the surrounding area need to be reviewed and drafted at the same scale to make a final interpretation of the sequences encountered. The thin skin tectonic style encountered within the property and to the west of the property creates repeated sequences, placing units in and out of order due to thrusting. Near the base of the laminated siliciclastic encountered at the top of the HW-602, a silicified microsyenite occurred. HW-602 encountered a coarse syenite porphyry hosting several small milled xenoliths (unit (C11h, in red) immediately beneath the Proterozoic siliciclastics. That lithology is attributed to the local diatreme unit. Beneath the Proterozoic strata and the underlying diatreme lies a unique maroon f grained micro porphyritic unit (C11 - not sure which subunit) with up to 15% aegirine needles (usually altered to ep/chl) along with up to 3-8% jarosite in a likely hematitic matrix. The same unit was encountered while mapping near the Flathead/Elko contact on the south slope of the 29 mile creek this ummer.

Beneath a sequence of syenite porphyry intrusive, as well as two narrow sills of possibly foid syenite (tingaite) composition. These two foid bearing porphyry units coincide with a sudden weak increase in Au values. The base of the hole shows anomalous Au values associated with a significant pyrite stockwork overprinted over a silica flooded porph syenite as a crumbly argillic alteration. There is a slight increase in anomalous copper towards the base of the hole in the porph syenite. There, silicification disappears and argillic alteration prevails. Faint patchy local fine biotite alteration noticed there, with epidote immediately above. Shearing textures still prevail through most of the hole. (Going nowhere drillers. No mud, no truck chains. 6 days to core past 78 feet overburden after short simple move done in beautiful weather...)

HW-603 drilled at nearly 2000m elevation, at the base of the syenite ridge in south Howell Creek bowl to test the iron rich syenite and orthoquartzite contacts and test the source of mineralized boulders in bowl. Again drilling intersected a layered instrusive and sedimentary package. HW-603 was cored within a hematitic and magnetic diatremic unit or an intrusive breccia with angular polymictic clasts (C11h or C11b). There were no Au or Cu anomalies associated with the above unit. The Proterozoic siltstones beneath are intruded by 2 thin brecciated and sheared green coarse trachytic syenite sill as seen in the bowl to the north of the drill hole and seem spacially associated with weak mineralization within disseminated coarse pyrite. Several (younger?) coarse greenish trachytic syenite in the centre of the sequence separate the two main sets of l green Proterozoic silicified (+) siltstones. In HW-603, several zones carry weak Au anomalies, again apparently more related to alteration fronts, within structurally strained and fractured than to a particular lithology. While the late coarser trachytic and locally garnetiferous units (C11e) seem mostly devoid of mineralization, the diatremic unit (C11h) and its contacts at the base carry some near half gram samples and 1 g/t Au sample at the contact with the overlying unit. Most of the mineralization appears related to the coarse 3-5% pyrite present as clots and stockwork near the base of the hole and in marcassitic fracture veneer further up. Noticeably, the structurally brecciated, tumbled blocs of Proterozoic l green siltstone (PR3) and the brecciated thin sheets of trachytic syenite, as well as the lowest diatremic unit all document major shear, strain and brittle deformation as well as weak Au mineralization. HW0603 was likely drilled on a reworked intruded structural contact (?) and might be close to a mineralization pathway. There is a sodium kick towards the base of the central trachyte and immediately above the second set of mineralization intercept. This may represent a zone of albitization.

HW-604 started -80 dip but the drill rig was too close to talus edge. It was pulled out at 60ft and re drilled at –60 dip. Its measured dip was actually –57 deg. The second drill attempt on HW-604 was successful after cutting through 16.5 m of overburden/talus. The upper 40 m, consisted of mostly moderately magnetic and maroon tinged - weakly k flooded - relatively fine porphyry syenite at the top with trace pyrite on fractures. That unit actually looked metasomatitized, a little bit like the K altered mineralized unit at the Lorraine. It then intersected a massive diatreme interval with localized extremely poor core recoveries. The narrow diatreme sill intrudes Proterozoic siltite beds. From 59.50m to 72.5m coarse stockwork pyrite is common (PS2-3= 2-6% py) within a partially K flooded and silcified fine syenite porphyry associated with an increase in chlorite rich foliated shear zones. traces of chalcopyrite and weak copper values from 97.50 to 121.85. Cambrian quartz arenite (CB4) with pink qz ribbon veining occurs beneath the thin cobbley diatreme present near the base of the fine porphric unit. Minor Au values (>100ppb) are present in the still maroonish cobbley unit (C11c). Contact between the upper Proterozoic PR3 beds and the overlying Cambrian black shales at 138.80m. Presence of more PR3, broken and brecciated further up the drill hole suggests that part of the intrusive sills intrude thrusted contacts with a younger package beneath the lowest cobbley diatreme and an older package above it. The actual location of the main thrust plane is not certain. Sheared and broken rubbley zones are common within the hole. Graphite coated fault planes are documented at 77m (20 deg TCA), 99.6m (45 deg TCA) and at 114.95m (40 deg TCA). Most structure are sub parallel to the bedding. The Cambrian sequence at the base exhibits stratigraphic tops pointing up hole, suggesting that the sequence is not overturned. the significance of HW-604 is the first ever recorded presence of alkali copper porphyry mineralization in the area. It also reinforce the association of major listric thrust faults and mineralization on this property.

HW-605 was drilled right on road below the outliner - to intersect Qtz sanidine veining in siliciclastics and syenite. The hole was dominated by as a much altered layered sequence of laminated black shales which are likely of Cambrian age. A study of ICP main elements distribution compared with the Alberta Group rock sample ICP data collected this year might help decide where the shales belong . At the moment leaving them in the Cambrian simplifies the structural setup needed to accommodate the stratigraphic relationship with just one thrust. The Alberta Group shales do outcrop to the northeast. A thrust fault is likely what brought the Proterozoic (PR1 or PR3) l green silicified clean siltstone over the black shales that were intersected in hole HW-605. If the Twentynine Mile fault is located properly and is indeed a normal fault it must have cut and downdropped the thrusted package immediately NE of the fault, another uplifted narrow block fault brought it up again in the Western Outlier. Bedding attitudes measured in HW-605 support a thrusted and intruded sedimentary package dipping to the NE. The proposed thrust fault would have to surface to the west, unless folded or truncated. In HW-605, the top of the shales were capped by a 15m thick f grained mafic intrusive/sill or volc significantly chl and biot altered (C11a) and intensely qz veined. The upper contact of the Cambrian (?) shale sequence was breccia-veined as well, and most of the sedimentary sequence underneath was strongly silicified and locally tourmalinized (63.40, 127.15m , etc). The minor amount of qz sanidine thin veinlets observed in the thin Proterozoic cover and in the underlying Cambrian (?) shale sequences were strata parallel. Significant ribbon-like quartz veining, however, took place within the Cambrian (?) shale sequence beneath the mafic sill. Overall, hole HW-605 was quite different from the other western holes as it only intersected very few thin syenite intrusives, within both the Proterozoic siltstone and the underlying Cambrian shales. It also intersected a very thin diatreme band. HW-605 was the only hole that intersected a mafic unit in this drill program. The hole was dominated by a strong hydrothermal silica ribbon-like replacement flooding type of quartz veining and alteration. The geometry of the hydrothermal alteration suggests that the mafic sill acted as a capping layer, effectively plugging the hydrothermal silica "ribbon-like dyke swarm" system. Weak copper values are associated with the mafic sill, increasing near its contacts, and weakening down hole.

While broken, its upper contact with the overlying Proterozoic siltstone lies roughly parallel to the strata above (+/- 55-60 deg TCA). Weak gold values are also associated with the mafic intrusive and its contacts. This mafic unit in direct contact with black shale may have been a very reactive zone that should be traced in the property. Further laboratory and microscopic work is recommended to define the exact nature of this ultrafine mafic sill, and its possible implication on mineralization.

HW-606 returned the highest gold values encountered in the 2006 drill program. The hole was unfortunately abandoned due to drilling difficulties. It is the only hole drilled in the A grid for this program. HW-606 was cored west of the known mineralization and started within a karst or a similar type of solution collapse structure. The upper part of the hole contained minor hydrothermal veining breccia with slight limonite goethite on fractures. The solution collapse structure contained fragments from surrounding devonian carbonates facies, as well as l green siltite and light pink orthoquartzite material from the overlying thrust. The latter carries Proterozoic age Roovville/Phillips sequences on the ridge to the south. Evidence of a karst breccia continued beneath with jumbled blocs of stromatoporid reefs and heterolithic carbonate breccia (23.78 to 28.67m). The upper Devonian strata were intensely dolomitized while the lower part stayed as a pure limestone regardless of whether units were in reefal or back reefal facies. Such a local dolomitization likely represents a strong hydrothermal alteration front rather than an epigenetic dolomitization. The lower limestone strata carry the bulk of the Au mineralization, in the form of fracture associated and clotty pyrite and marcassite blebs. Irregular patchy carbonaceous zones within the reefal units hosted v f gr py or marcassite. A thin 4 m fine grained garnetiferous syenite sill intrudes the middle part of the hole (47.80 to 52.08m). Hole HW-606, while abandoned short of its target still demonstrates that the fault defined by earlier workers does not limit the extent of the mineralization to the west. Its grade compares with all other holes drilled further east and southeast.

LITH_MINZ_ASSAY DRILL LOG

HOLE ID	AZIMUTH	DIP	LENGTH	COORDINATES		SHORTLOG	LOG COMPLETE
HW-601	260	-85	179.22	EASTINGS:	665148	GC	9/15/2006
				NORTHINGS:	5455903		

AREA	Drilling		CORE SIZE	SECTION	DETAILLOG	DATUM	SAMPLER
E grid	Started:	9/9/2006	NQ		GC	E	JP
	Finished:	9/14/2006					

Shipments

ShipmentID	Shipment Date	ACME File
HW1	9/18/2006	A606624

HOLE ID HW-601

Lithology					Assays									
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
0.00	2.20	OB												
2.20	9.50	C11e		L grey syenite porphyry. Grey matrixed plag phyric +/- 30% plag (altering to beige- sl greenish - softer to both weathering and drilling). Matrix a mesh of grey likely kpar matrix. Upper 5 meters quite weathered pitted fleds and minor. No mafics - some lighter rimmed rimmed altered lath shaped subhedral crystals , cream to v l greenish mineral. Phyric habit (shape) of plag but strange color likely due to alteration. Weak pyrite throughout as fracture coating and clotted dissemination overall +/- 1% py. Absence of mafic minerals, locally incipient fe carb alt after feldspars (?).	173701	2.2	5.49	3.29	5	0.001	0.5	123		Core
					173702	5.49	8.53	3.04	4	0.000	0.6	100		Core
					173703	8.53	11.58	3.05	6	0.001	0.7	67		Core
9.50	17.58	C11e		Same l grey porphyry syenite but matrix seems vitrified - glazed even though silicification is weak and intermittent,. Core is more dense and less pitted (if pitted at all). Local prismatic softer green mineral remnants -jarosite-? About 2-5% . Most of the 60% feldspar phenocrysts are now subrounded and rimmed with alteration in a gel like matrix; grey feld matricx composition? Looks silicified but knife leaves little or no metal. Incipient silicification? Most of the phenocryst are being altered - likely plag would be altered first. 1-3% pyrite common as irregular clots along irr fractures. Few aAltered minerals locally partially replaced by pyrite. Unit seems to be getting denser with more silicification going down hole towards lower contact.	173704	11.58	14.63	3.05	9	0.001	0.8	50		Core
					173705	14.63	17.58	2.95	7	0.001	0.9	50		Core
17.58	18.52	PR1		Jagged contact - likely faulted? Or pieces of light greenish siltite/argillite cought between a few syenite. Rubbley core porous and/or shattered. Could be a fault zone as well.	173706	17.58	18.52	0.94	12	0.001	1.3	84		Core
18.52	26.10	C11g		Non porphyritic leuco syenite with sl greenish hue within matrix - alteration ? Irregularly silicified. Increasingly instense v f meshed stockwork of healed fractures, some filled with hairline pyrite vnlets- 3-5% +. The grey-greenish hue probably not for an altered tinguite, but it still represent likely a different syenite unit than the uppper porphyry. Upper contact id 50 deg tca. Pyrite as irregular clots, or fracture coatings to v f stockwork. At 24.30 : a faint fabric at 40 deg TCA. From here down core becomes increasingy porous and clay altered. - this is just above contact with beige -green laminated silicified argillite/siltite below. At 26.10 possibly a fault gouge/contact at 40 deg TCA In fact the zone between 25.10 and 26.10 is possibly a clay altered fault zone.	173707	18.52	20.73	2.21	13	0.001	1.3	74		Core
					173708	20.73	23.77	3.04	16	0.002	1.4	86		Core
					173709	23.77	24.9	1.13	6	0.001	1.2	90		Core
					173710	24.9	26.1	1.2	3	0.000	1.6	109		Core
26.10	27.30	C11		Rubbly syenite remnant in faulted (likely) conatact (upper contact 60 deg TCA) with laminated siltstone below. Marcassitic wispy sheared planes as slippery planes.. Greenish black sulphde forming slickenside almost slaty coating. Not the habit of pyrite - marcassite maybe. Up to 10% sulphides locally.	173711	26.1	27.3	1.2	7	0.001	1.3	212		Core
27.30	39.60	PR1		L greenish beige and l grey argllite/siltite lamiantes. V dense and +/- silicified. 2 bedding tops (rip up clasts) suggests top up hole so strata are likely facing up normally.[Suggesting amongst other choice a subvertical pyrite hairlines/cleavage with strata possibly dipping steeply to the North...] check relationship further down.. Pyrite veneer at 15 deg TCA but perp	173712	27.3	30.35	3.05	1	0.000	0.4	45		Core
					173713	30.35	30.35	0	55	0.005	2.6	1035		STD 1C
					173714	30.35	32.92	2.57	1	0.000	0.3	2		Core

Lithology					Assays									
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
				to bedding. Bedding is 40 deg TCA. Tops rip up clasts at 30.30 and about 5m above. Upper contact at 20 to faint fabric of upper syenite. Lor contact @ 50 deg TCA. Looks silicified glazed - but knife blade does not leave much of a mark. Stratigraphic tops up hole 33.60m = water escape or crack top; 36.30 load cast - small clast sitting on fine layer. Bedding attitudes: 35 TCA @ 35.70m; 32 TCA @ 37.80; 35 TCA @ 38.20. Very consistent bedding in silty argillite unit.	173715	32.92	33.55	0.63	1	0.000	-0.3	8		Core
					173716	33.55	35.09	1.54	1	0.000	0.3	17		Core
					173717	35.09	35.97	0.88	1	0.000	0.6	10		Core
					173718	35.97	37.4	1.43	-1	0.000	-0.3	21		Core
					173719	37.4	39.6	2.2	4	0.000	-0.3	31		Core
39.60	48.60	C11e		M coarse plag phyric - up to 40% phenoctysts. Alkali porphyry upper contact is +/- 50 deg TCA. Unit is all greyish with cream white plagioclase phenocryst relatively fresh euhedral to subhedral. 20% of phenocrysts are larger and wider with 120 deg cleavage ain long section - orthoclase? Overall unit is less altered and pited than the upper syenite porphyry. Lower conrtact is a little uneven but about 780 deg TCA almost perpendicular to drill hole and almost // to strata = likely a sill shaped syenite body. It does not seem to be a structural contact. More sericitic alteration of the finer grained cream beige argillite lamine near the contact, slightly disrupted at contact with syenite.	173720	39.6	40.4	0.8	23	0.002	0.4	73		Core
					173721	40.4	42.06	1.66	13	0.001	0.5	44		Core
					173722	42.06	42.06	0	56	0.006	2.7	899		STD 1C
					173723	42.06	44.25	2.19	9	0.001	0.6	110		Core
					173724	44.25	46.2	1.95	7	0.001	0.6	104		Core
					173725	46.2	48.15	1.95	8	0.001	0.5	107		Core
					173726	48.15	48.7	0.55	6	0.001	0.5	58		Core
48.60	67.55	PR1		Back into same dense l greyish-cream layered silty argillite. Bedding again very cossistent - few bedding tops up hole again. Coarser laminae often the darkest ones. The light cream sl greenish yellow varves are the finest grained. More often sericitized and crackled as well. 57.30-58.24 A smal interval of crackled breccia - hydrothermal fracturing and filling - almost the lstructure ofa solution breccia. . V little cc, often pyritized fractures. Fine py network/veining (20 deg TCA) is perp to bedding opposite 35 deg TCA). From 58.24 unit becomes darker - more shaley compound or alteration related?	173727	48.7	49.9	1.2	1	0.000	0.3	20		Core
					173728	49.9	51.21	1.31	2	0.000	-0.3	72		Core
					173729	51.21	53.8	2.59	2	0.000	-0.3	49		Core
					173730	53.8	56	2.2	-1	0.000	-0.3	34		Core
					173731	56	58.7	2.7	-1	0.000	-0.3	21		Core
					173732	58.7	60.35	1.65	-1	0.000	0.3	11		Core
					173733	60.35	60.35	0	68	0.007	1	309		STD P3
					173734	60.35	63.4	3.05	1	0.000	0.4	13		Core
					173735	63.4	65.8	2.4	-1	0.000	-0.3	25		Core
					173736	65.8	67.55	1.75	-1	0.000	-0.3	12		Core
67.55	74.33	PR1		Alternating black argillite/shale and l beige creamy (ser alt?) varved f gr argillite. Bedding still at 30-32-35 deg TCA. Creamy units more silicified and more brittle with v minor local crackle breccia. Joints are 120 deg to bedding and // to bedding (S0=30 deg TCA)	173737	67.55	69.49	1.94	1	0.000	0.3	38		Core
					173738	69.49	72.54	3.05	1	0.000	-0.3	11		Core
					173739	72.54	74.33	1.79	1	0.000	0.4	75		Core
74.33	78.45	PR1	C11e	More disrupted beds - generaly lighter coloured argillite varves - by increasing f network of narrow crackle breccia. 74.33-74.85 very narrow lens/sill of porphyriitic syenite as before(C11e = proper code I suppose). Sill sliver has a bit of an irregular contact edge. The matrix is the grey felt like texture and the phenocrysts +/- ghosts are floating randomly +/- 30 % phyric, matrix seems exclusively feldspars. There is more intense sericitic creamy yellow alteration of the varves banding beneath the sill. 77.6-78.45: Siliciclastic getting greyer, likely due to alteration.	173740	74.33	75.59	1.26	2	0.000	0.4	82		Core
					173741	75.59	78.45	2.86	2	0.000	0.4	112		Core
78.45	82.21	C11e		(Leuco) syenite porphyry - no apparent mafics - a slightly sheared contact zone greyish with marcassitic (flaky pyrite) wisps - silicified on joints 35-40 deg TCA but getting bleached - argillized between and/or k floooded between fractures. Grey flooding seems to post date the beige cream more porous alteration. Shearing wisps between 78.48-80.15m. About 2 % jarosite - bright green mineral - recessive small crystals. Feldspatoid -5-10% (sanidine?) 5mm long by 1 mm wide long blades of transluscent dk grey mineral -	173742	78.45	80.15	1.7	6	0.001	0.6	184		Core
					173743	80.15	82.21	2.06	2	0.000	-0.3	19		Core
82.21	91.90	C11f		M f grained syenite - more equigranular than the grey units above. Crowded - with more or less silicified banding - alteration as it near the upper contact with the grey and more or less sheared porphyritic leuco syenite. This unit is generally not a porphyry and looks like a mixed concrete, beige matrixed aggregate	173744	82.21	82.21	0	52	0.005	2.6	1064		STD 1C
					173745	82.21	84.73	2.52	2	0.000	0.3	10		Core
					173746	84.73	87.78	3.05	2	0.000	-0.3	-2		Core
					173747	87.78	91.9	4.12	3	0.000	0.3	2		Core
91.90	112.17	C11e		Back into the plag phyric syenote unit as seen above but wth a different, more porous and argillic alteration. Little or not silicified. This unit carries some 10-20cm clats of the jarositic sl	173051	99.97	103.02	3.05	3	0.000	0.6	14		Core
					173052	103.02	106.07	3.05	5	0.001	0.7	67		Core

Lithology

From	To	Lith	M Lith	Lithology Notes
				altered leucosyenite seen above). The subrounded clasts are non porphyritic with disseminated pyrite.
112.17	115.00	C11e		Dark greish green sheared (40 deg TCA) plag phyric syenite. Seems irregularly silica flooded. Minor amount of transluscent long bladed fine dark grey felspatoids (? within about 40 % plag pheno . Alteration +/- Banded altered grey - m dk grey +/- sheared contact with underlying dk grey altered dense silicified unit underneath that is so dense it looks like an aphanitic dyke or even a qtz vein. Between 113.30 -114.80 the shearing fabric is 40 deg TCA.
115.00	117.05	PR2		Super fine grained Orhtoquartzite - sl maroon/pink. Massive - no bedding to be seen for a while. Seems more dense as if it had been silicified - if that's possible. Just pure silica flooded pure qtz siltite...Upper contact at about 52 deg TCA. Perfect drilling angle (260 west and -85 dip). Lower conatct at 75 deg TCA. Top up at 117.20 @ 60 deg TCA.
117.05	135.30	PR2		Sill mostly maroon ultra fine orthoquartzite but med fine ly interbedded with greyer siltstone and lesser agillite. Every 50 cm to 1.5m again some pure sl maroonish to pink super fine orthoquartzite, looking silicified as well. In between are beds of finely laminated and likely sericitized arg varves. Some look like algal mats. Gouge fault over 25 cm @ 118.26-118.50; rubble @ 127.50-127.80; gouge @ 133.40-133.50; 135.50-135.70. These structure likely related to change of lithological character.Core fractured +/- shattered +/- healed 127.41-136.00.
135.30	135.80	PR3		Greenish grey siltstone, as on top of hole. Looking very much like the laminated siltstone at top of hole.
135.80	160.45	C11d		Crowded sl greenish grey syenite intensely silicified in the upper part. Fluorite rich as disseminated hue and fabric/shear parallel veinlets and minor perpendicular narrower veinlets. Matrix has glazed felt like texture with resorbed felds crystal blades (? due to silica flooding?). Matrix is slightly greenish without being definitely chloritic. Again mafics if presents are invisible or totally altered to feldspars/silica and possible minor chlorite. Unit shows local variation all the way down but mostly consists of same unit with a variety of alteration intgensities and types. Fluorite flooding and rare veining tends to increase where more strain/mild shearing is observed. Unit is unusually rich in pyrite both coarse clots like aggregates and finer dissemination and the ususal fracture pyrite. There is almost a 1:1 correlation of intensity of pyrite and intensity of flurite and ususally they occur together, side by side or pyrite around fluorite clots, etc. Fluorite content is probably about 5% over the whole interval, as much seems hidden in the matrix. The associated pyrite represents about 2% and locally up to 5-10% over short intervals of intense fluorite. The whole unit is not a coarse porphyry in the sense of a mehacrystic but is not a microsyenite either. It has mostly fine long bladed feldspars, only v locally coarse othoclase coarser zones. There is a general lack of veinlets or crakle breccia but it has a constant fabric of 30-45 deg TCA. The lower part of the unit is only intermittantly silicified becoming more ser to clay altered - - 136.35 to 139.80 Crowded felt texture, intense silic; 139.80-140.55: Almost a microsyenite with nmerous small intervals 1-2 feet more porphyritic. Again no mafics visible. Just a grey mass of intertwined felds blades. Rubble zone and fault 158.35-159.20. Unit suddenly more porous/argillized and rarely silicified shortly beneath that fault. Less fluorite beneath as well.
160.45	161.15	C11		Densely silicified l grey intrusive - syenite porphyry

Assays

Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
173053	106.07	107.8	1.73	4	0.000	0.4	26		Core
173054	107.8	111.55	3.75	3	0.000	0.5	23		Core
173055	111.55	111.55	0	53	0.005	2.7	975		STD 1C
173056	111.55	112.17	0.62	3	0.000	0.5	48		Core
173748	91.9	95.1	3.2	2	0.000	-0.3	42		Core
173749	95.1	96.93	1.83	1	0.000	0.4	44		Core
173750	96.93	99.97	3.04	2	0.000	0.5	35		Core
173057	112.17	115.15	2.98	5	0.001	0.9	232		Core
173058	115.15	117.2	2.05	3	0.000	0.6	72		Core
173059	117.2	118.26	1.06	1	0.000	0.3	10		Core
173060	118.26	121.31	3.05	2	0.000	0.3	14		Core
173061	121.31	124.36	3.05	4	0.000	0.5	102		Core
173062	124.36	127.41	3.05	1	0.000	-0.3	26		Core
173063	127.41	130.45	3.04	2	0.000	-0.3	31		Core
173064	130.45	133.5	3.05	3	0.000	0.3	73		Core
173065	133.5	135.3	1.8	4	0.000	0.5	94		Core
173066	135.3	135.3	0	67	0.007	1.1	160		STD P3
173067	135.3	135.8	0.5	1	0.000	0.5	126		Core
173068	135.8	139.8	4	15	0.002	1.4	129		Core
173069	139.8	142.65	2.85	5	0.001	0.8	46		Core
173070	142.65	144.92	2.27	21	0.002	2.9	217		Core
173071	144.92	146.26	1.34	11	0.001	1.3	168		Core
173072	146.26	147.35	1.09	9	0.001	1.2	35		Core
173073	147.35	148.74	1.39	15	0.002	1.6	110		Core
173074	148.74	151.8	3.06	19	0.002	1.4	137		Core
173075	151.8	154.84	3.04	45	0.004	2.2	135		Core
173076	154.84	158.35	0	97	0.010	2.9	157		Core
173077	158.35	158.35	0.85	56	0.006	2.6	979		STD 1C
173078	158.35	159.2	1.95	48	0.005	1.4	317		Core

Lithology				
From	To	Lith	M Lith	Lithology Notes
161.15	171.90	C11e		Same +/- porphyritic l grey (leuco) syenite, strongly ser/clay altered and porous - 30-40% plag laths within grey felsdpar matrix mesh. Matrix seems same composition as phenocrysts. Small intervals with dark grey transluscent thin long bladed feldspar - foid (?). 167.03-168.3 is a broken zone. sheared at 30 deg TCA. 171.50 to 171.90 Gauge - fault zone sheared above.
171.90	179.22	C11f		Possibly a strongly altered tinguite (?) More porous, still dominantly grey but with a stronger greenish hue in matrix. Has about 30% dk grey transluscent feldspatoid (?). Also has a definite mild whitish sl greenish peppered alteration throughout most of unit - somwhere between classic sericite alteration and incipient albitization. End of hole in this thicker possibly foid syenite (?) than in the previous medium crystalline grey altered porphyry syenite. EOH.

Assays									
Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
173079	159.2	161.15	2.85	36	0.004	2	303		Core
173080	161.15	164	3.03	45	0.004	4.6	382		Core
173081	164	167.03	2.37	51	0.005	2.6	167		Core
173082	167.03	169.4	2	48	0.005	3	203		Core
173083	169.4	171.4	2	19	0.002	1.5	58		Core
173084	171.4	173.13	1.73	13	0.001	1.7	151		Core
173085	173.13	175.07	1.94	4	0.000	0.7	21		Core
173086	175.07	176.17	1.1	16	0.002	1.5	46		Core
173087	176.17	179.22	3.05	7	0.001	1.2	91		Core

HOLE ID	AZIMUTH	DIP	LENGTH	COORDINATES		SHORTLOG	LOG COMPLETE
HW-602	260	-80	157.88	EASTINGS:	665470	GC	9/20/2006
				NORTHINGS:	5456320		

AREA	Drilling		CORE SIZE	SECTION	DETAILLOG	DATUM	SAMPLER
E grid Pad B	Started:	9/17/2006	NQ		GC	E	JP
	Finished:	9/20/2006					

Shipments

ShipmentID	Shipment Date	ACME File
HW2		A607489

HOLE ID HW-602

Lithology					Assays									
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
0.00	23.77	OB	CB4		173251	23.55	26.82	3.27	19	0.002	0.6	10		Core
23.77	33.35	CB4	C11d	L grey rusty jointed dense silicified siltstone/qtzite with a thin veneer of plag phyric grey dense syenite porphyry at 29.90 (CN @ 55 TCA). All shattered brittle fractured.	173252	26.82	29.87	3.05	13	0.001	0.3	9		Core
					173253	29.87	33.35	3.48	23	0.002	-0.3	9		Core
33.35	37.70	C11e	C11h	Coarse porphyry Monzo - syenite - with k and plag phyric pheniocrysts 3-40 % in lm grey desne felt texture matrix of feldspar. Rare pebble size xenolith of argillite or trachytic. Overall rich in pyrite as aggreagates, in vugs or replacing felds. Becoming increasingly porous from 35.10 to 35.97. Corroded pitted unit is lighter coloured and obviously not silicified.Same feldsparar phyric but more porous and more pyritic then in upper part.	173254	33.35	35.97	2.62	113	0.011	0.5	15		Core
					173255	35.97	35.97	0	51	0.005	2.2	1050		STD 1C
					173256	35.97	37.7	1.73	110	0.011	0.6	29		Core
37.70	54.95	CB4		Massive fractured dense silica flooded silty argillite - l grey with +/- wispy anostomosed incipient shearing increasing towards base. Still discernable v minor fine algal mat varves trapping fm rounded m gr qtz grains between the varves. Most of unit is v fine qtz sitlite. Definitely no marron or lavender hue in this unit although it fractures exactly as light pink maroon massive unit encountered in HW-601. Same unit . Hue may have been totally taken away with the silica flooding.? Definitely a proterozoic to lower cambrian type of algal mat - This unit must be the Cambrian (eo?) orthoquartzite unit - Base of Flathead? = CB4. Unit lower contact with microsyenite at probably 20 TCA. Bedding sub // to shallow JT system. 53.40 BD at 22 deg TCA/ to jts opposite jts set is 60 deg TCA. Base is intensely silicified - SL3.	173257	37.7	39.01	1.31	22	0.002	-0.3	9		Core
					173258	39.01	42.06	3.05	7	0.001	-0.3	11		Core
					173259	42.06	44.05	1.99	11	0.001	-0.3	11		Core
					173260	44.05	46.3	2.25	7	0.001	-0.3	5		Core
					173261	46.3	51.21	4.91	6	0.001	0.5	14		Core
					173262	51.21	54.45	3.24	13	0.001	-0.3	10		Core
					173263	54.45	58	3.55	155	0.015	0.5	26		Core
54.95	63.40	C11c		First appearance of real microsyenite. Almost aphanitic matrix with low phenocryst count 5-10% 2-2mm in length. Probably ortho plag laths.. Massive sheared silicification and increasing (estimated 10% + -up to 30% locally) v f marcassitic minz-alt obliterates most detail. Jts and anastomosed silicified frsactured fabric at about 40 TCA. between 54.73 and 56.70	173264	58	60.35	2.35	75	0.007	0.6	27		Core
					173265	60.35	62.2	1.85	82	0.008	0.5	24		Core
					173266	62.2	62.2	0	52	0.005	2.1	946		STD 1C
					173267	62.2	64.25	2.05	36	0.004	0.4	23		Core
63.40	66.50	CB4	C11c	Totally shattered unit. Upper contact definitely greenish silty argillite rest silicified dense brownish massive v f siltstone with possibly thin veneer of microsyenite as fine ribbons. Could also be like an anastomosed qtz veining/flooding overprint.	173268	64.25	67.75	3.5	53	0.005	-0.3	16		Core
66.50	67.75	C11d		Silicified microsyenite - crowded porph microsyenite - the real one - dirty grey 5-10 % 1-2mm long plag ? Fe;d within almost aphanitic dense dirty grey matrix.										
67.75	70.10	CB4		Again back into v f gr siliciclastics - highly silicified again shattered from 70.10 down to 71.36 (cont) - brown grey dense sil.	173269	67.75	70.1	2.35	16	0.002	-0.3	7		Core
70.10	72.80	C11b	CB4	Likely back into the microsyenite - less silicified - totally fractured shattered - light grey core surface - incipient f plg phyric 1-3% locally. In fact unit is a form of intrusion breccia of a contact partially with sl limonitic qtzite and silicified qtz siltstone. Much shearing fragmentation of the microsyenite. From 71.60 on regular occurence of jarosite 3-5% diss.	173270	70.1	71.36	1.26	48	0.005	-0.3	16		Core
					173271	71.36	72.2	0.84	21	0.002	0.3	5		Core
					173272	72.2	73.9	1.7	13	0.001	-0.3	11		Core

Lithology					Assays									
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
72.80	81.00	C11		No idea which code to use- Tinguite? - : A maroon f grained micro porphyric unit with up to 15% aegirine needles (alt to ep/chl) Jarosite 3-8% diss, 30% + felds (plag likely) within a fine maroon likely hematitic matrix. Some fist size cobbles within also with jarositic alt. In creamer coloured matrix. An apparent clast of limonitic orthoqztzite in rubble at 73.70. Most joints in this units are 60-80 deg TCA, while weak anastomosed shering fabric lays at 30 to 45 deg TCA between 73.80 and 74.90. It is the first unit with significant amount of mafic minerals (aegirine - green and lighter green rimmed - alt?). I believe that the same unit was encountered in oucrop on 29 mile Creek's small tributary on a trail, near Flathead/Elko contact with Cretaceous trachytic sills.	173273	73.9	75.59	1.69	14	0.001	-0.3	11		Core
					173274	75.59	76.95	1.36	16	0.002	-0.3	8		Core
					173275	76.95	77.8	0.85	203	0.020	-0.3	23		Core
					173276	77.8	81	3.2	16	0.002	-0.3	7		Core
81.00	94.95	C11d		Upper contact with this dirty grey sheared , fractured and chl/clay altered porphyry is gouged broken and intensely marcassitic. Likely the same unit all the way to 94.95 with more chlorite clay alteration , minor graphite in fault zones and incipinet ser alt phenocrysts. Little or no silicification beneath 81m. Just a large structural multiple fracture +=/- fault zone. Litho is not the classic porph syenite seen earlier near top of hole but is definitely a fine porphyry, while not exactly crowded with phenocryst. Recognizable mnx are feldspars,fine long bladed plag and stubier ones. Most are ghost merging with matrix. Guestimate 30% flds phenocrysts overall. While still slightly pyritic and fr marcassitic there is a definite reduction in sulphides below 85.60. Becoming more chloritic sheared/fractured below.	173277	81	81	0	68	0.007	0.7	322		STD P3
					173278	81	83.4	2.4	32	0.003	-0.3	12		Core
					173279	83.4	84.73	1.33	14	0.001	0.3	25		Core
					173280	84.73	86.25	1.52	8	0.001	-0.3	16		Core
					173281	86.25	88.37	2.12	15	0.002	-0.3	12		Core
					173282	88.37	90.25	1.88	7	0.001	-0.3	37		Core
					173283	90.25	93.3	3.05	10	0.001	-0.3	14		Core
					173284	93.3	94.95	1.65	12	0.001	-0.3	7		Core
94.95	104.33	C11d		Still C11d ? - or C11f - Seems to change composition with presence of euhedral aegirine/epidote +/- altered up to 10% usually about 5%. Part of the feldspars locally become ultra white from outside to inside like through an alteration process - guessed albitization - could be alunite repl felds (advanced argillic stage) but is definitely not sparky - Thompson's guide to alt does not refer to albite as replacing feld. Both kaolinite, or alt epidote do. Fracture Marcassite and diss pyrite % varies. Mostly 2-3 % locally up to 5% plus. Base ends in a new low angle fracture/fault zone that becomes more sheared and less fractured at 105.60	173285	94.95	96.93	1.98	6	0.001	-0.3	9		Core
					173286	96.93	99.11	2.18	6	0.001	-0.3	8		Core
					173287	99.11	100.34	1.23	3	0.000	-0.3	17		Core
					173288	100.34	100.34	0	56	0.006	2	1053		STD 1C
					173289	100.34	102.36	2.02	7	0.001	-0.3	20		Core
					173290	102.36	104.33	1.97	9	0.001	-0.3	28		Core
104.33	113.93	C11f		Temporarily coded as a tinguite due to the greener hand speciment. Pyritic. Overall has more mafics than most other units. Could be mostly alteration caused. A subtely more green matrixed/phenocryst very common. Up to 50% m fine phyric, not well sorted. Still a mixture of larger but rarer stuby k spar and more numerous thin plag laths amongst the phenocrysts. Feldspar replaced by up to 30-40% I pale green to m green core of alteration epidote (?). Felds pheno may be partially sericitized as well. This is a fine felds porphyritic unit with little or no mafics. Regularly affected by sheets of more intense alteration - dull grey flooding engulfing phenocryst ghosts. Up to 5-10% black short amphiboles (?) going dull brown likely partially biotized. About 5% fine acicular black green amphibole - aegirine?- trace hyperthene (army green rel stocky amphibole). In matrix (fine hash of felds in grey flooded sil+ (could be partially kspar?? flooding - needs staining).	173291	104.33	106.07	1.74	9	0.001	-0.3	26		Core
					173292	106.07	107.65	1.58	6	0.001	0.4	30		Core
					173293	107.65	109.12	1.47	7	0.001	0.4	65		Core
					173294	109.12	112.17	3.05	5	0.001	-0.3	57		Core
					173295	112.17	113.93	1.76	8	0.001	0.4	109		Core
113.93	121.45	C11d		This unit lost most of the pyrite that was prominent in previous greenish unit. Again either a lithological or an alteration relate change.	173296	113.93	115.21	1.28	8	0.001	-0.3	37		Core
					173297	115.21	118.26	3.05	1	0.000	-0.3	27		Core
					173298	118.26	121.31	3.05	1	0.000	-0.3	13		Core
					173299	121.31	121.31	0	52	0.005	1.9	729		STD 1C
					173300	121.31	124.36	3.05	17	0.002	1.3	237		Core
121.45	125.60	C11f		A greenish porphyritic unit. 30% mf phyric Plag. Matrix has greenish grey colour as a hash of felds - possible Kspar flooding (Nothing pink and obvious). Numerous felds altered rimmed white. Kaolinite or Sericite development?. 5-10% unhedral m green raice shaped epidote? Grains. Most of similar colour is alteration minearal after core of euhedral plagioclase.	173301	124.36	125.6	1.24	6	0.001	0.4	46		Core
125.60	142.65	C11d		Greenish intensely epidote (I m green core of euhedral plag +/- dull or transluscent green) altered felds - up to 50% plag core replaced. It is greener than the common yellow green sericite and looks like epidote. Rare amphibole (ascicular blackish aegirine ?) pheno. Rest is flooded grey felds matrix withm uch resorbed subrounded fels pheno. Matrix is also a fine	173302	125.6	129.55	3.95	4	0.000	-0.3	30		Core
					173303	129.55	132.65	3.1	3	0.000	-0.3	26		Core
					173304	132.65	134.7	2.05	3	0.000	-0.3	14		Core
					173305	134.7	136.55	1.85	4	0.000	-0.3	12		Core

Lithology					Assays									
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
				porphyry - could be classified as a porphyritic mycrosyenite. Having trouble with existing nomenclature and codes...No significant mafics - except for the epidote that seems to be an alteration product.	173306	136.55	138.25	1.7	10	0.001	-0.3	5		Core
					173307	138.25	140.33	2.08	2	0.000	-0.3	19		Core
					173308	140.33	143.35	3.02	6	0.001	0.4	61		Core
142.65	152.56	C11d		M d grey non epidotic felds porphyry. Totally flooded dense (SIL3+ means dense unit silicified and possibly K spar flooded??? - all grey, again needs stain on rep samples). Suddenly minor but recognizable v f biotite patch alt3-5% as mesh network intersection - Getting very crumbly and falling appart towards base. Possible anhydrite fracture network dissolving? Unit is totally grey mostly ghost porph felds. Likely still in same unit but more argillic alteration.	173309	143.35	146.4	3.05	47	0.005	0.3	29		Core
					173310	146.4	148.74	2.34	16	0.002	0.9	90		Core
					173311	148.74	148.74	0	69	0.007	0.6	262		STD P3
					173312	148.74	151.79	3.05	348	0.035	0.3	78		Core
					173313	151.79	154.55	2.76	7	0.001	-0.3	42		Core
152.56	157.88	C11d		This is a brownish grey porous m gr slightly sheared porphyritic unit. The zone is not crumbly any more while not beeing dense either. Likely at the edge of the argillic zone. Again, likely the same felds (Plag>KSpar) porphyry unit as above. 157.88 is E.O.H -.... Finally, after 15 days of one shift part time drilling by Phill's Drilling....	173314	154.55	155.85	1.3	3	0.000	0.3	68		Core
					173315	155.85	157.88	2.03	18	0.002	0.8	80		Core

HOLE ID	AZIMUTH	DIP	LENGTH	COORDINATES		SHORTLOG	LOG COMPLETE
HW-603	260	-85	157.28	EASTINGS:	665298	GC	10/13/2006
				NORTHINGS:	5455692		

AREA	Drilling		CORE SIZE	SECTION	DETAILLOG	DATUM	SAMPLER
E grid top	Started:	10/2/2006	NQ		GC	NAD83 zone 11	Myriam
	Finished:	10/6/2006					

Shipments

ShipmentID	Shipment Date	ACME File
HW3	10/13/2006	A607851

HOLE ID HW-603

Lithology					Assays									
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
0.00	15.15	OB		Talus										
15.15	41.45	C11h	C11d	Our common dirty dark greenish grey mod poprphyritic syenite. In this case it has regular clasts 4cm to 6 cm of polymictic clasts, angular - (beige orthoqtz, dk green v f gr mafic, coarse qz grits, pyritized fine microsy ?). All that happens downwards it the change in alteration and level of fragmentation slight shearing locally. It starts chloritic and sl porous at top - possibly finely biotitic in narrow sheared chloritic zones as well. It becomesdenser and less chl, sl silicified between about 22.21 to 33.30. From 33.30 to 41.86 (cont) it is dominantly silicified and hematitized. Pyrite content also pick up below 22.21. Hematite flooding seems overprinted by fr controlled dense grey silicification. Again, staining wood be necessary to measure the amount of potassic flooding possibly assoc with the silicification. Overall this unit has about 30% rounded oval m grey partially resorbed felds (?). There is also about 10-30% euhedral partially altered (beige pinkish) Kspar and plag? It seems that K spar are mostly euhedral but altered as well.	173316	15.15	17.68	2.53	5.6	0.001	-0.1	14		Core
					173317	17.68	20.73	3.05	12.4	0.001	-0.1	21		Core
					173318	20.73	23.77	3.04	4.5	0.000	-0.1	4		Core
					173319	23.77	26.82	3.05	2.4	0.000	-0.1	6		Core
					173320	26.82	29.87	3.05	2.6	0.000	-0.1	27		Core
					173321	29.87	32.92	3.05	8.2	0.001	-0.1	14		Core
					173322	32.92	32.92	0	54.2	0.005	1.8	950		STD 1C
					173323	32.92	35.97	3.05	8.5	0.001	-0.1	-2		Core
					173324	35.97	39.01	3.04	7.1	0.001	-0.1	3		Core
					173325	39.01	42.45	3.44	10.9	0.001	-0.1	21		Core
41.45	44.70	PR3		Silicified an shattered, structurally (and hydrotermally?) brecciated big blocs and tumbled unit. Like a karst structure, but in a argillite l green siltite. Thin bedded unit. Likely proterozoic siliciclastics contact.	173326	42.45	45.11	2.66	26.2	0.003	1.2	212		Core
44.70	47.10	C11e		Like the coarse trachytic syenite outcropping S of drill in bowl. Again both contact are sheared brecciated, fractured. Obviously a structural contact.	173327	45.11	47.1	1.99	54.5	0.005	1.5	409		Core
47.10	54.00	PR3		Tumbled breciated much altered - argillic and silicified l green argillite and siltite - still upper proterozoic siliciclastics. Trachyte possibly used old breccia zone to push through. 50% Large 1-3 cm long plag and aparently fewer k spar pheno. Matrix is dk green fine grained. All is greyish silicified at contact with overlying brex seds.	173328	47.1	50.1	3	66	0.007	0.2	98		Core
					173329	50.1	52.4	2.3	2.1	0.000	-0.1	28		Core
					173330	52.4	54	1.6	1.3	0.000	-0.1	22		Core
54.00	54.50	C11e		Coarse plaf and Kspar phyric trachyte syenite again. Contact altered shattered. A very narrow trachytic crowded coarse porphyry dyke/sill.	173331	54	54.8	0.8	4.9	0.000	0.1	29		Core
54.50	62.20	PR3		Steeply dipping and or tumbled, large l greenish banded qztitic fine arg siltstone breccia blocs, siiceous veins like bands are part of breccia. Unit is mostly densely silicified with short broken zones with less silicification. These breccia zones really look like solution collapse breccia , even if these occurs outside (?- here at least) of limestone, within a qtz rich v f gr arg siltstone. Lower contact is about 30 deg TCA and roughly // to bedding.	173332	54.8	57.3	2.5	2.4	0.000	0.2	54		Core
					173333	57.3	57.3	0	52.1	0.005	1.9	964		STD 1C
					173334	57.3	60.35	3.05	3.7	0.000	1.3	320		Core
					173335	60.35	62.3	1.95	4.9	0.000	0.7	134		Core
62.20	68.20	C11d		A fine gr crowded brownish fine porphyry with the ususal 20=30% semi resorbed feld phenocrysts. Only partially silicified.	173336	62.3	65.4	3.1	36.1	0.004	0.5	103		Core
					173337	65.4	68.2	2.8	23.7	0.002	0.5	208		Core
68.20	76.40	C11e		Trachytic - crowded coarse alkali porphyry with 60-70% lg phenocrysts - 1/3 to 1/5 K spar- Crystals are 2-3cm long and 0.5 to 1cm wide. Matrix is greenish v slightly finely porous. Very minot silicificstion but some type of flooding. Drills easily. Core is ususqlly 50cm + long.. At 76.20 an angular clast of the same solution collapse breccia seen above. There is about 5-15% of a new mineral growth within matrix. Mineral is sl recessive. Varies from forest green to	173338	68.2	69.49	1.29	10.2	0.001	0.1	151		Core
					173339	69.49	72.54	3.05	7.3	0.001	0.3	216		Core
					173340	72.54	74.5	1.96	8.5	0.001	-0.1	37		Core
					173341	74.5	78.64	4.14	7.1	0.001	-0.1	9		Core

Lithology					Assays									
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
				reddish brownish and exposes regularly a hexagonal section. Often rimmed as outlined by super fine pyrite blebs or lighter phase of same mineral. Forms little aggeragtes, and locally shown a orthorombic structure. Looks very similar to what I logged as garnets in HW-601. Its crystal habit reminds me of sphalerite but its way of being disseminated is more the style of garnets. Does it look recessive on the core surface because the rest is partially silicified? For the sake of consistency I'll call it here garnet again, and will think of it as a sign of a possible skarn alteration. Minor V fine calcite hairline fracture +/- fluorite scattered through interval. Seems like the latest alteration. Almost totally devoid of pyrite or fine marcassite.										
76.40	86.80	C11e		Same coarse to trachytic syenite - al euhedral phyric, plg>=kspar. Kspar are coarser and stubbier as usual. From 50 to 70% phyric +/- greenisalt. Matrix with incipient pinkish brown stains in phenocryst and matrix. Green matrix seems alt flooded, glazed. Some of it could be original. V minor chlorite. Faint fabric throughout - calling it trachyte here for correlation purpose.	173342	78.64	80	1.36	8.3	0.001	-0.1	12		Core
					173343	80	82.43	2.43	11.2	0.001	-0.1	12		Core
					173344	82.43	82.43	0	59.8	0.006	0.6	301		STD P3
					173345	82.43	84.19	1.76	9	0.001	0.1	30		Core
					173346	84.19	86.8	2.61	14.4	0.001	0.1	28		Core
86.80	97.60	C11e		Same trachytic syenite unit but different matrix or matrix alteration - Same phenocryst population but matrix seems to change. Plag pheno >= to kspar again. Matrix consists of multiple euhedral fine crystals in a pinkish beige matrix. It lookes suddenly like a moderate intense K flooding. Sudden appariton of the granular recessive mineral again called garnetiferous for the sake of correlation again. Varies between forest green to sl reddish brown aggregates. Is this the local habit of jarosite? (Have never seen jarosite before..., except in text books). That granular mineral amounts to 5 to 25 % of groundmass and is 1-3mm across. It is obviously an alteration product grown from the matrix.	173347	86.8	88.16	1.36	6.9	0.001	-0.1	2		Core
					173348	88.16	90.83	2.67	8.7	0.001	-0.1	3		Core
					173349	90.83	92.35	1.52	8.6	0.001	-0.1	-2		Core
					173350	92.35	94.9	2.55	7.3	0.001	-0.1	-2		Core
					173351	94.9	97.6	2.7	8.2	0.001	-0.1	2		Core
97.60	103.55	C11e		Same coarse porphyritic monzo-syenite with a crowded matrix increasingly dk green and less and less obviously k flooded as one approaches the underlying grey ghostly porphyry.	173352	97.6	99.97	2.37	7.1	0.001	-0.1	-2		Core
					173353	99.97	103.55	3.58	6.7	0.001	-0.1	4		Core
103.55	116.55	C11d		Same attitude of slight weak shear betrween the two but more intense in m grey ghostly porphyric syenite. It is significantly less phyric 10-30% than unit above and suddenly greyish sl pyritic as fracture and dissemination all way down to 116.55. Broken upper contact with green matrixed trachytic monzo-syenite above. Beneath the broken zone likely alt flooded, moderate silicification +/- potential kspar? Just a dense crackled pyritized grey matrix and partially resorbed phenocrysts. A juicy pyritic stock work. Plag are 1/3 replaced by I whitish green mineral ser or a very light epidote.	173354	103.55	106.75	3.2	13.9	0.001	0.6	252		Core
					173355	106.75	106.75	0	56.3	0.006	1.9	1001		STD 1C
					173356	106.75	109.12	2.37	8.3	0.001	0.3	197		Core
					173357	109.12	112.17	3.05	11.3	0.001	0.1	179		Core
					173358	112.17	115.21	3.04	9.8	0.001	0.1	117		Core
					173359	115.21	116.55	1.34	7.9	0.001	0.3	136		Core
116.55	129.30	PR3		Either Gateway or Roosville I grey v dense orthoqztite/siltite. Base more siltite argillite. Intensely silicified and brittle. also sericitic. Upper contact with ghostly porph syenite possibly at 45 deg TCA. Joints are 45 TCA seem to follow grain and bedding. 119.15-120.76 a v f gr I grey qtz arenite , sl coarser than first unit. At 118.76a sl mor porous unit indicates bedding at 15 deg TCA. 119.50 bedding is at 10 deg TCA. Lower contact with grey white felds phyric syenite at 20 deg TCA, as an apparent sill contact.	173360	116.55	119.15	2.6	2	0.000	-0.1	48		Core
					173361	119.15	121.03	1.88	0.8	0.000	-0.1	31		Core
					173362	121.03	124.36	3.33	1.6	0.000	-0.1	26		Core
					173363	124.36	125.7	1.34	2.1	0.000	0.1	14		Core
					173364	125.7	129.3	3.6	3.5	0.000	0.5	91		Core
129.30	135.50	C11d		A I grey - white plag and kspar phyric porph. 40-60% phyric phenocrysts mostly euhedral or angular slightly less silicified and more arillic or sl sericitic and more so around fractures. Matrix grey dense glazed. Significant amount of diss and fract pyrite. Finely drusy as per fine fe carb repl of minerals. facture close to contact at 50 TCA likely same as lower contact.	173365	129.3	131.4	2.1	6	0.001	0.4	52		Core
					173366	131.4	131.4	0	59	0.006	1.9	999		STD 1C
					173367	131.4	133.5	2.1	5.2	0.001	0.3	52		Core
					173368	133.5	136.92	3.42	2	0.000	0.3	71		Core
135.50	136.92	PR3		Back into I grey beigish dense silicfied siltite-argillite. Sericitic varves yellowish to brownish. Lower contact and alteration (bleaching) at 35 TCA										
136.92	139.35	C11d		25 to 35 % phyric feld phenocryst 1/3 euhedral - dense greenish matrix becoming more beige-cream bleached but still rather dense if v finely porous. Slightly argillic alt.	173369	136.92	138.22	1.3	5.9	0.001	0.7	281		Core
					173370	138.22	139.35	1.13	6.7	0.001	-0.1	78		Core

Lithology					Assays										
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
139.35	152.25	C11h		Diatremic (5% clast small 2-3cm as large as largest felds phenocrysts). Multiple sources : v f gr green volc? Itnrusive?, granitoid fragments, siliciclastics fragments). It is overly less phyric than the previous units Only 5-10% coarse felds (plag>Kspar) floating about in crowded phyric matrix.. Matrix cement varies from maroonish to light beige greenish intermittantly. Weak and local but constant shearing showing sligh fracturing and alteration psudobanding. All dense and silicified except from 139.35 to 140.60 that has the sl porous creamy white greenish matrix. Matrix has up to 50 % ghostly subrounded elongated feldspar(?) foid? apparently partially resorbed in matrix cement. Some of these greish +/- transluscent fine "rice grains" seem replaced by a light green epidote or incipient ser.	173371	139.35	140.6	1.25	13.1	0.001	0.3	496		Core
					173372	140.6	143.22	2.62	18.8	0.002	0.2	48		Core
					173373	143.22	145.69	2.47	8.8	0.001	0.2	47		Core
					173374	145.69	148.74	3.05	9.6	0.001	0.7	167		Core
					173375	148.74	152.25	3.51	8.1	0.001	1.1	453		Core
152.25	157.28	C11h	C11d	Possibly the same diatremic syenite unit as above but with a different alteration ? Increasingly showing a sheared fabric hosting pyrite clots and on fractures. Same few 5-10% large 2-4cm euhedral plag/kspar phenocrysts floating in matrix but now the latter is more the ghostly resorbed whitish grey matrix. weak but contstant shearing 25-45 TCA. Local developped pyritic stockwork and diss clots with rare fluorite. What is signigficant is the sudden stopinthe marronish and greenish matrix alteration. There seems to be no more clasts either. Possibly hidden by alteration ? End of the hole	173376	152.25	154.05	1.8	6.3	0.001	1.3	404		Core
					173377	154.05	154.05	0	70.3	0.007	0.5	316		STD P3
					173378	154.05	157.28	3.23	6.1	0.001	1.3	311		Core

HOLE ID	AZIMUTH	DIP	LENGTH	COORDINATES		SHORTLOG	LOG COMPLETE
HW-604	260	-57	143.45	EASTINGS:	666500	GC	10/21/2006
				NORTHINGS:	5454100		

AREA	Drilling		CORE SIZE	SECTION	DETAILLOG	DATUM	SAMPLER
29Mile Creek	Started:	10/10/2006	NQ		GC	South E	Myriam
	Finished:	10/19/2006					

Shipments

ShipmentID	Shipment Date	ACME File
HW4	11/20/2006	A608173

HOLE ID HW-604

Lithology					Assays									
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
0.00	16.50	OB		Overburden										
16.50	40.30	C11d	C11a	A massive unit v f gr to f grained only 10% of total volume has definite porphyritic bands assoc with v narrow sheared associated fine plag phyric porphyry seams (up to 10-20% v f white subhedral plag phenocrysts). On closer look the fine unit is itself slightly porphyritic with the 10-20% usual greyish l greenish subrounded plag (?). Overall alteration coloured zones 1-2m wide s of primarily brownish maroonish - w to mod hematitic/silicified flooding - massive zones. It hosts with weak but consistent hairline black fr/vnlets+/- anastomosed like incipient shearing at consistant 45 to 50 deg TCA, mostly 50. The other intermittant zones are greyish green - silicified and Irreg chloritic with local weak fra controlled sericite. Dk greenish zones are slightly more "sheared" with incipient porphyry associated with more chloritic alteration. Same overall unit. Large zone are broken - Like with relatively recent fracturing - core < 5cm - but usually brittle and not gouged except around 29.87 slickenside minor graphite. Unit overall is dense but not silicified. A narrow Kspar veins 40 cm 34.65-34.10 irregular sided +/-50 TCA and // to main faint fabric. Coarse kar diklet/vein with locally +/- resorbed main unit. Choice of *melasyenite code is to reflect the dark nature of unit. It could also be called a microsyenite.* There are very few odd small clasts of kspr repl fragments at 28.90. Up to 15-20 % of subrounded grey transluscent (alt?) felds partially resorbed in matrix. Before splitting core unit looks moderately tolocally intensely chloritized with narrow banding of sericite here and there with fracturing // to hairline shearing. Weak ser alt generally. Moderate hematite flooding in bands. See alt table. Trace fracture pyrite overall. *See mineralization table for details.* Base of unit is increasingly chloritized, even locally bleached. Fine aegirine augite broken up bout 5-10%. 24.90 to 26 incipient fine epidote growth over matrix.	173801	16.5	17.55	1.05	11.7	0.001	-0.1	16		Core
					173802	17.55	20.3	2.75	4.8	0.000	-0.1	19		Core
					173803	20.3	23.77	3.47	9.8	0.001	0.2	279		Core
					173804	23.77	25.75	1.98	10.7	0.001	-0.1	18		Core
					173805	25.75	29.05	3.3	6.1	0.001	-0.1	6		Core
					173806	29.05	30.8	1.75	2.6	0.000	-0.1	25		Core
					173807	30.8	32.92	2.12	37.8	0.004	-0.1	13		Core
					173808	32.92	34.25	1.33	15.8	0.002	-0.1	6		Core
					173809	34.25	35.25	1	7.2	0.001	-0.1	44		Core
					173810	35.25	38.25	3	16.4	0.002	-0.1	20		Core
					173811	38.25	38.25	0	64.7	0.006	0.5	263		STD P3
					173812	38.25	41.15	2.9	4.4	0.000	-0.1	11		Core
40.30	59.50	PR3	BX	A brecciated contact and a breccia. Thin laminated banded l green to dk grey *argillite/siltite*. A noticeably darker finer banded and more argillitic siltstone than the ones encountered at top of HW-601, 602 and 603. More like the base of the cliff in Grid E bowl. just E of HW-601. A faulted messed up or just altered contact	173813	41.15	45.15	4	12.2	0.001	-0.1	5		Core
					173814	45.15	48.16	3.01	4.3	0.000	-0.1	4		Core
					173815	48.16	54.25	6.09	8.9	0.001	-0.1	4		Core
					173816	54.25	60.35	6.1	57.6	0.006	-0.1	28		Core
59.50	65.80	C11h		Massive diatreme with 20-40% subrounded clasts. Upper contact sub // to bedding above - like a sill contact. Fine few anastomosed CC veinlet close to contact angle. Contact is quite chloritized. Overall quite silicified and dense but with numerous chloritic shearing zones, likely with weak fine biotite as well. Sudden increase in pyrite content (mod). Mostly as clots and irr fr coating. Clasts are a mixture of subangular pinkish orthoquartzite subrounded long blebs of black argillite, Finely pyritized f green aplitic small pebbles. Late calcite f veining // fabric. Possible ksapr flooding along with silification. Noticeable mod to strong chloritic alteration often associated with increase py.	173817	60.35	63.4	3.05	25	0.002	-0.1	30		Core
					173818	63.4	65.8	2.4	42.6	0.004	-0.1	24		Core
65.80	74.50	PR3		Part sheared strained but so broken up is difficult to tell how much. Bedding where visible seems consistantly 40 to 50 deg TCA. Banding l green is coarser qtz grained - siltite and black is carb (?) shale thin bedded. Black layers relatively soft +/- serpentinite feel and hardness. Does not look graphitic for most of it. Incipient v weak silicification of greener bands. Not sure about nature of mosaic textured silica ribbons. Seems like sudden orthoqztite but does not look like seds more like shattered mosaic ribonney vein.	173819	65.8	67.95	2.15	13.6	0.001	-0.1	10		Core
					173820	67.95	68.9	0.95	80.6	0.008	-0.1	23		Core
					173821	68.9	70	1.1	17.5	0.002	-0.1	8		Core
					173822	70	70	0	48.6	0.005	1.7	1101		STD 1C
					173823	70	72.25	2.25	39.9	0.004	-0.1	19		Core
					173824	72.25	73.3	1.05	33.9	0.003	-0.1	7		Core

Lithology					Assays									
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
					173825	73.3	74.3	1	4.5	0.000	-0.1	3		Core
					173826	74.3	75.8	1.5	5.3	0.001	-0.1	18		Core
74.50	87.78	C11d		L greenish and maroonish fine porph matrix, but overall not much porphyric. Dirty greenish grey beige to slightly maroonish dense unit. Still about 10-20% dull pale green subrounded felds (plag?) in lazed like matrix. Intermittantly mor chloritic anfd sheaed with hairline fractures/vnlets. Same unit as above just differently strained. Becoming somewhat metasomatized towards lowe contact (K flooding and v f magnetitic, more pinkish and somewhat finer grained.	173827	75.8	78.64	2.84	8.7	0.001	-0.1	26		Core
					173828	78.64	81.69	3.05	9.3	0.001	-0.1	137		Core
					173829	81.69	84.73	3.04	38.3	0.004	-0.1	106		Core
					173830	84.73	87.78	3.05	25.8	0.003	-0.1	83		Core
87.78	97.50	C11d	C11d	Slightly more phyric same partially maronish glazed and intermittantly sheared syenite. A third of the felds small pheno (2-4mm long) are alt white bige and becoming pitted (albitization or alunitization). Unsheared sections strongly potassic k flooded and mod magnetitc (v f diss mtite). Lowest 90.68 to 97.50 lighter pinkish and mf grained metasomatism KF3 M1-2 ab1 with local graphite coated fault zones. Increase in fracture pyrite and diss py content to up to 3%.	173831	87.78	89.55	1.77	9.7	0.001	-0.1	25		Core
					173832	89.55	90.83	1.28	54.2	0.005	-0.1	31		Core
					173833	90.83	90.83	0	56.6	0.006	1.9	937		STD 1C
					173834	90.83	93.98	3.15	89.1	0.009	-0.1	50		Core
					173835	93.98	96.93	2.95	84.8	0.008	0.2	87		Core
					173836	96.93	99.97	3.04	13.6	0.001	-0.1	46		Core
97.50	100.50	C11c		Dense massive light pink to maroonish m fine syenite (the local microsyenite?). Unit is totally silicified and Kflooded glazed - mostly nonporphyritic. Both upper and lower contact are sheared. Composition wise no real changes, mostly fine grained felds and matrix. Definitely more metasomatized over longer sections than above.	173837	99.97	104.8	4.83	288.9	0.029	0.1	32		Core
100.50	103.50	C11c	C11b	V sl porphyritic "microsyenite". Only weakly diatremic with subrounded k alt syenite fragment - inetnal intrusive breccia?										
103.50	117.56	C11c	C11d	Light maroonish to beigish green. dense K flooded and partially silicified m fine porphyritic syenite.Again matrix and most of unit shows mostly resorbed crystals subrounded. Same ratio 1/2 to 2/3 of pale bluish green subrounded plag (+/- white beige alunite or ser/clay altered) and cream less rounded Kspar? . Not pitted. A yellow mustardy alteration shade permeating through shearing. Some form of sericitization? As earlier splashes of chalcopyrite clots in weak amount < 0.5% Cu estimate. Unit has 5% sub angular beige fragments of kflooded fine syenite but no sediments picked up. Not quite diatremic yet.	173838	104.8	106.07	4.32	61.8	0.006	0.1	58		Core
					173839	106.07	110.12	4.05	45.9	0.005	0.1	56		Core
					173840	110.12	111.9	1.78	98.3	0.010	0.2	137		Core
					173841	111.9	114.5	1.65	141.9	0.014	-0.1	167		Core
					173842	114.5	116.15	1.41	52.9	0.005	-0.1	169		Core
					173843	116.15	117.56	1.41	82.1	0.008	-0.1	48		Core
117.56	119.90	C11h	C11c	Matrix of cobbley 10% cobbles floating about - rounded kflooded syenite clasts id stil the dense f microsyenite to locally sl porphyritic dense syenite. All intensely kflooded and silicified.	173844	117.56	117.56	0	73.8	0.007	0.6	286		STD P3
					173845	117.56	120.3	2.74	55.8	0.006	-0.1	12		Core
119.90	121.85	C11d	C11a	Same matrix and more of a fine m porphyrirtic syenite (very subtle increase in phenocrysts pale fine greenish and salmon beige resorbed in matrix) -20-30% phyric likley. Same alteration dense maroonish k fl;ooding and silic.Possibly finely diatremic. 15cm thick melasyenite dike at top of this interval.	173846	120.3	121.85	1.55	145.9	0.015	-0.1	32		Core
121.85	133.20	CB4		Intensely silicified and l pink qtz ribbon veined // to bedding as a shear vein within qtz arenite/siltstone. Becoming immediately a black shale/argillite unit with intermittantly qtz shear veined beneath. Likely the Cambrian qtz arenite and Cambrian shales beneath, as outcropping at base of S Howell bowl.	173847	121.85	124.36	2.51	102.5	0.010	-0.1	7		Core
					173848	124.36	126.45	2.09	30.1	0.003	-0.1	2		Core
					173849	126.45	128.9	2.45	35.9	0.004	-0.1	6		Core
					173850	128.9	130.45	1.55	23.7	0.002	-0.1	4		Core
					173851	130.45	131.85	1.4	53.9	0.005	-0.1	9		Core
					173852	131.85	133.2	1.35	103	0.010	-0.1	9		Core
133.20	138.80	CB4a		Upper part shattered - black argillite/shales with v minor l green silty laminae. Qz veining and replacement minor and to bedding. Qz ribbons v likely shear veining as no reason to have repetititve ribbons of pure l pink orthoqztite within a black shale. The mosaic look of the massive veins is likely alteration/structural - hornfelsic like texture. Intense wepithermal zone here and beneath the diatreme and fine porph above. Bed topping 134.50 up hole so all seems normally stacked.	173853	133.2	136.55	3.35	49.7	0.005	-0.1	7		Core
					173854	136.55	138.8	2.25	32.1	0.003	-0.1	-2		Core

Lithology					Assays										
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
138.80	143.45	PR3		An intensely silicified and shear veined // to bedding orthoqz siltite with still algal varves remnants. Possibly already within the upper Roosville fm???Looks more like a continuum with above shale not significant cause to have a fault between. Alteration and veining went through both. 143.45 EOH Snow coming - time to do last hole on 29 mile crk road...	173855	138.8	140.5	1.7	46.1	0.005	-0.1	7		Core
					173856	140.5	143.45	2.95	8.5	0.001	-0.1	8		Core
					173857	143.45	143.45	0	63.2	0.006	2	1053		STD P3

HOLE ID: HW-605
AZIMUTH: 290
DIP: -49
LENGTH: 179.22
COORDINATES — **EASTINGS:** 667250 — **NORTHINGS:** 5454750
SHORTLOG: GC
LOG COMPLETE: 11/16/2006
DETAILLOG: GC
DATUM: NAD83 Z11
SAMPLER: Wally
AREA: 29MileCreek RD
Drilling Started: 10/22/2006
Drilling Finished: 10/28/2006
CORE SIZE: NQ
SECTION:

Shipments

ShipmentID	Shipment Date	ACME File
HW5	10/27/2006	A608526

HOLE ID HW-605

From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
0.00	8.13	OB		talus/road bed										
8.13	9.00	C11d	PR3	Mixture of v l grey qz arenite silicified and 1 foot fine l grey porphyric syenite. Possibly a very thin sill.	173858	8.13	11.58	3.45	12.9	0.001	-0.1	10	10.000	Core
9.00	21.00	PR3		L grey dense mostly completely pure silicified qz siltite and qz arenites. Crackled brecciated and v fine quartz sanidine // to bedding with minor perp to bedding but wide more grey dusty looking qtz veining. Another v fine diklet of porphyry at 13.10 to 13.30m may be just a block?. Broken - no contact seen.	173859	11.58	14.63	3.05	13.2	0.001	0.1	25	25.000	Core
					173860	14.63	17.68	3.05	20.1	0.002	-0.1	15	15.000	Core
					173861	17.68	20.73	3.05	16.1	0.002	0.1	25	25.000	Core
					173862	20.73	23.77	3.04	47	0.005	0.2	38	38.000	Core
21.00	28.09	C11c		V finely pyritic l grey v fine syenite. Only grey +/- microporphyritic Intensely to mod silicified and weakly k flooded intermittantly. If any - very weak meatasomatism. Moderate amount (1-2%) V f gr pyrite diss and v fine veining throughout all unit. Equigranular for most of the unit to v f porphyritic. Only whitish and greyish feldspars. Only rare chloritic thin zones around fractures. Little or no marcassite. Looks a bit like the grain size of a diorite, but only felds recognized...A fminor narrow sl darker (diklet?) micro melasyenite around 22.50 - CN at 60 TCA.	173863	23.77	26.82	3.05	67.6	0.007	0.3	49	49.000	Core
					173864	26.82	28.09	1.27	96.3	0.010	0.2	46	46.000	Core
28.09	35.50	PR3		V f gr l greenish to dark grey - illite green- grey - siltite and argillite with moderate bedding parallel sheets of qz dusty flooding/shear veining. Beginning of weak to moderate quartz-sanidine v f to mod veining, 90 % of it mostly bedding parallel., and perp to core axis. Upper contact at 70 deg TCA.	173865	28.09	29.87	1.78	63.8	0.006	0.2	34	34.000	Core
					173866	29.87	29.87	0	58.1	0.006	1.9	743	743.000	STD 1C
					173867	29.87	32.3	2.43	49.9	0.005	-0.1	12	12.000	Core
					173868	32.3	35.5	3.2	390.2	0.039	1.2	93	93.000	Core
35.50	38.25	C11a		V f gr black to dk greenish heavily biotite/chlorite altered unit. Coarser more intense alteration creates a speckled l greenish/brownish alteration definitely reminding of altered pyroxenites textures. No bedding seen but interlayered with bedded qz dusty anastomosed veining irreg veins - not sure of unit composition or source - volcanic or v f gr mafic intrusives. No crystals recognized due to intense alt and v f grained nature. Oroginally almost thought it was a silty bituminous massive shale unit. Lots of rep samples to study...	173869	35.5	38.47	2.97	140.7	0.014	0.4	22	22.000	Core
38.25	39.35	C11d		The "classic" maroonish dense totally silicified hardly porphyritic f gr syenite. Felds phyric 5-15% slightly k flooded +/- hematitic flooded.	173870	38.47	39.01	0.54	139.9	0.014	0.2	18	18.000	Core
					173871	39.01	40.07	1.06	201.5	0.020	0.5	29	29.000	Core
39.35	54.25	C11a		Back in the v f gr melasyenite/+/- mafic volcanic unit that is intensely intermittantly biotite/chlorite altered and that is intermittantly and irr shaped dusty qz veined unit that could have been taken for a massive v fine siliciclastic unit as was the case in 35.50 to 38.25.	173872	40.07	41.76	1.69	127.9	0.013	0.8	54	54.000	Core
					173873	41.76	45.11	3.35	103.6	0.010	0.8	89	89.000	Core
					173874	45.11	47.76	2.65	117.4	0.012	0.7	109	109.000	Core
					173875	47.76	48.16	0.4	33.1	0.003	0.5	32	32.000	Core
					173876	48.16	49.65	1.49	70.5	0.007	0.6	62	62.000	Core
					173877	49.65	49.65	0	56.1	0.006	1.9	976	976.000	STD 1C
					173878	49.65	52.67	1.02	84.5	0.008	1.1	96	96.000	Core
					173879	52.67	54.25	3.58	70.4	0.007	1.2	108	108.000	Core

Lithology

From	To	Lith	M Lith	Lithology Notes
54.25	57.00	CB4a	BX	Veined breccia hosted in siliciclastics, shael argillite and minor siltstone, veining silica replacement no more // to bedding. Possibly cambrian shale unit? No more v l; green qtz arenite and siltstone with yellowish green varves encountered in classic Roosville (PR3).
57.00	67.52	CB4a		Back into partially brecciated bedded argillaceous shales, this section is greyish green with intermittant and irr shaped qtz veining, narrow silicified and crackled zones. Litle or no biotite chlorite patches, and only locally with a breccia/qz veined zone. This unit is definitely less shaley and more silty - a more upper proterozoic siltstone look. Not sure if we are . Most contacts lately have been quite altered veined and brecciated. No obvious simple fault plane, suggesting all is in proper sequence which cut through by a powerfu alteration and veining/hydrothermal system. Silicification is back into full swing intermittantly.
67.52	68.32	C11e		Isolated thin sheet of megacrystic plag and kspar phyric 60% syenite porphyry. Matrix contains ...%
68.32	80.90	CB4a		More black shale and I greenish beige siltstones. Siltstone usually more shattered
80.90	82.60	C11d		m dk grey mod porous grey porphiritic syenite? Sheared upper contact. Strongly sheared and stockwork pyrite base. Not sure excact lower contact footage. Likely at 82.65. From 82.65 to 83.80 a strongly mottled altered remain of a siltstone - best guess.
82.60	92.50	CB4a		Illite (swiss army green) green fine siltstone and darker argillite illite coloured beds. Mottled siltstone are slightly silicified. rest is dense and massive but not so hard. Only weak alteration. Same mottled crackled breccaited and dense siltstone at lower contact with next v fine porphyry. Again, lower contact a little uncertain - between 92.50 and 92.75
92.50	98.99	C11c		A v f grained equigranular (siltstone) size massive feldspar syenite. All grey with super fine grey fleds subrounded - silicified. Is interrupted by a massive coarse crystalline greyish white qz vein (98.99 to 100m). Starts beneath again.
98.99	100.00	C11c		A massive mottled coarse crystalline qz vein
100.00	123.78	C11c		A v f grained equigranular (siltstone size) massive feldspar syenite. All grey with super fine grey fleds subrounded - silicified
123.78	143.10	CB4a		Argillite and siltstone- Illite green with regular anastomosed shearing and fracturing with the odd isolated set of dusty qtz irr veinlets 0.5-3cm wide and often around 25-30 deg TCA. Much of the most shattered fractured zones are hosyed by the siltier component.

Assays

Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
173880	54.25	56.96	2.71	99.4	0.010	0.8	68	68.000	Core
173881	56.96	60.35	3.39	277.6	0.028	0.8	83	83.000	Core
173882	60.35	63.4	3.05	63.6	0.006	0.4	48	48.000	Core
173883	63.4	66.06	2.66	111.1	0.011	0.5	39	39.000	Core
173884	66.06	67.52	1.46	24.7	0.002	0.2	27	27.000	Core
173885	67.52	68.32	0.8	30.9	0.003	0.3	34	34.000	Core
173886	68.32	69.49	1.17	16.4	0.002	0.3	23	23.000	Core
173887	69.49	72.54	3.05	115.6	0.012	0.8	39	39.000	Core
173888	72.54	72.54	0	57.8	0.006	2	960	960.000	STD P3
173889	72.54	74.25	1.71	45.3	0.005	0.5	26	26.000	Core
173890	74.25	76.23	1.98	26.1	0.003	0.7	61	61.000	Core
173891	76.23	80.9	4.67	26.7	0.003	0.4	35	35.000	Core
173892	80.9	81.69	0.79	66.7	0.007	0.5	34	34.000	Core
173893	81.69	83.9	2.21	102.6	0.010	2.6	66	66.000	Core
173894	83.9	86.63	2.73	21.4	0.002	0.3	21	21.000	Core
173895	86.63	87.78	1.15	62.4	0.006	0.2	27	27.000	Core
173896	87.78	90.54	2.76	49.4	0.005	0.3	22	22.000	Core
173897	90.54	92.75	2.21	42.1	0.004	0.4	25	25.000	Core
173898	92.75	95.12	2.37	60.5	0.006	0.2	20	20.000	Core
173899	95.12	95.12	0	51.2	0.005	2	1032	1,032.000	STD 1C
173900	95.12	96.6	1.48	131.2	0.013	0.4	31	31.000	Core
173901	96.6	98.99	2.39	147	0.015	0.7	39	39.000	Core
173902	98.99	100.17	1.18	220.8	0.022	1.3	42	42.000	Core
173903	100.17	102.39	2.22	52.4	0.005	0.6	51	51.000	Core
173904	102.39	105.75	3.36	70.7	0.007	0.7	47	47.000	Core
173905	105.75	108.52	2.77	72.6	0.007	1	40	40.000	Core
173906	108.52	111.24	2.72	48.9	0.005	0.4	40	40.000	Core
173907	111.24	113.44	2.2	32.7	0.003	0.4	49	49.000	Core
173908	113.44	115.38	1.94	57.2	0.006	0.5	38	38.000	Core
173909	115.38	116.67	1.29	65.3	0.007	0.5	40	40.000	Core
173910	116.67	119.25	2.58	79.3	0.008	0.6	33	33.000	Core
173911	119.25	119.25	0	48.9	0.005	1.8	996	996.000	STD 1C
173912	119.25	121.31	2.06	156.1	0.016	1.1	55	55.000	Core
173913	121.31	123.78	2.47	51.7	0.005	0.3	28	28.000	Core
173914	123.78	127.15	3.37	53.1	0.005	0.4	46	46.000	Core
173915	127.15	129.85	2.7	66.3	0.007	0.3	25	25.000	Core

Lithology					Assays									
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
					173916	129.85	131.97	2.12	46.3	0.005	0.3	24	24.000	Core
					173917	131.97	134.5	2.53	119.7	0.012	0.4	30	30.000	Core
					173918	134.5	136.55	2.05	30.5	0.003	0.4	28	28.000	Core
					173919	136.55	138.66	2.11	60.1	0.006	0.3	45	45.000	Core
					173920	138.66	139.8	1.14	33.4	0.003	0.2	25	25.000	Core
					173921	139.8	141	1.2	30.5	0.003	0.2	27	27.000	Core
					173922	141	141	0	58.5	0.006	1.9	835.9	794.000	STD P3
					173923	141	143.1	2.1	29.7	0.003	0.2	28.2	794.000	Core
143.10	161.48	C11c		feldspar syenite, v f grained - beige I grey with v fine ghost felds tiny lathsa microscopic porphyry likely (not equigranular at hand lens scale) - massive and less fractured than overlying silty sediments. Lower contact obscured and messed up with the effect of silica replacement and massive qz vein and a fault gouge. Lowest contact is only a best guess.30 % and also 30-40 % . granular I greyish greenish transluscent unhedral minx irregularly distributed= felds? Matrix also beige I grey and ghostly pale irr grains-	173924	143.1	145.69	2.59	82.8	0.008	0.3	33.6	794.000	Core
					173925	145.69	148.74	3.05	130	0.013	0.3	37.4	794.000	Core
					173926	148.74	151.79	3.05	74.5	0.007	0.4	44.3	794.000	Core
					173927	151.79	153.11	1.32	103.5	0.010	0.7	74.3	794.000	Core
					173928	153.11	156.3	3.19	81.6	0.008	0.3	24.3	794.000	Core
					173929	156.3	157.25	0.95	102.9	0.010	0.4	26	794.000	Core
					173930	157.25	159.64	2.39	55.5	0.006	1.1	12.2	794.000	Core
					173931	159.64	162.4	2.76	71.1	0.007	1	39.4	794.000	Core
161.48	179.22	CB4a		Mostly dark brownish to sl greenish laminated and massive argillite sequence. Several coarse xtline veins intruding package. Upper contact veined and altered. Most avilable bedding attitude suggest high angle TCA	173932	162.4	163.98	1.58	44.5	0.004	0.7	19.3	794.000	Core
					173933	163.98	163.98	0	58.3	0.006	2	824.4	794.000	STD 1C
					173934	163.98	165.38	1.4	91.3	0.009	3	32.8	794.000	Core
					173935	165.38	167.03	1.65	57.9	0.006	0.5	24.7	794.000	Core
					173936	167.03	169.38	2.35	24.5	0.002	0.4	27.9	794.000	Core
					173937	169.38	171.37	1.99	38.6	0.004	0.5	28.3	794.000	Core
					173938	171.37	173.13	1.76	49.3	0.005	0.7	39.2	794.000	Core
					173939	173.13	176.17	3.04	50.1	0.005	0.7	44.2	794.000	Core
					173940	176.17	177.77	1.6	24.1	0.002	0.5	19.2	794.000	Core
					173941	177.77	179.22	1.45	41	0.004	0.4	25.4	794.000	Core

HOLE ID	AZIMUTH	DIP	LENGTH	COORDINATES		SHORTLOG	LOG COMPLETE
HW-606	90	-85	66.45	EASTINGS:	669524	GC	11/15/2006
				NORTHINGS:	5455322		

	Drilling				DETAILLOG	DATUM
AREA	Started:	10/27/2006	CORE SIZE	SECTION	GC	NAD83Z11
Grid A	Finished:	11/5/2006	NQ			

SAMPLER
Brynna

Shipments

ShipmentID	Shipment Date	ACME File
HW6	11/20/2006	A608880

Lithology					Assays									
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
0.00	8.30	OB		Overburden - Already in solution collapse breccia above first block. Rubble brecc subcrop										
8.30	8.90	KRST	PR2	Heterolithic solution collapse breccia - mostly fist size supported. Includes both l pink Phillips orthoqzite and beige cream silty argillite of the Roosville fm as well as algal mat varves and irr shaped dol fragmentals. Huge core loss from 8.30 to 23.78m - combination of poor drilling, wrong muds and a very broken rock sequence. Significant amount of rust lim/goeth on fractures.	173601	8.3	11.58	3.28	3	0.000	-2	100	0.100	Core
8.90	16.70	DV8		Dolomitic beige to light grey reefal facies disrupted patchy. Significantly dolomitic but not vuggy. Rather dense reefal fragments and greyer sl porous dol matrix between. Still huge core loss. Most comes as brittle gravel. No loose sands,likely washed out by drillers.	173602	11.58	13.9	2.32	2	0.000	-2	30	0.030	Core
					173603	13.9	23.74	9.84	5	0.001	3	120	0.120	Core
16.70	23.78	DV8b	CBX	Strongly crackled brecciated black limestone with white irr thin cc veinlet. Where measurable veinlets tend to be at 60 TCA with conjugate set opposite. Tentatively assigned carbonates (mostly limestone overall)- reefal/lagunal and carbon rich to the Devonian, mostly because of the reefal textures.	173605	23.74	26.82	3.08	23	0.002	6	670	0.670	Core
23.78	28.67	DV8	KRST	Reefal beige fragmental limestone with greyer arenitic grain sized matrix and cobble size reefal chunks - such irregular texture and fragmental would have to come from high energy environment, and form a broken reef zone near a more massive reef. Because of heterolithic solution breccia right above this interval it could also represent the exrension of the local solution collapse structure but just within the limestone and not the overlying (????) Proterozoic. Obviously a thrust edge right here with Proterozoic siltstone qtzite falling within a Devonian (or Cambrian ?) karsted reef structure...	173606	26.82	28.67	1.85	61	0.006	13	1180	1.180	Core
28.67	30.80	DV8b		Lagunal limestone black to dark grey-beige - bioturbated - only minor internal sediments possibly from narrow krst - in dak matrix is shown as arenaceous gritty matrix. (fine cemented angular lst gravel at 29.87). still irr small fragments of siltite argillite likely from the overlying upper Proterozoic. This boturbated unit reappears on and off below.[[It is the exact same facies as seen with patchy ovael anatomosed dolomitization just South and West of new Howell Ck headwater showing (in creek beneath the large cave on cliff) - JP 's outcrops. That was a significant hydrothermally altered karst just further south with likely a sinkhole-doline modern structure there as well at base of talus.]]. We may have a similar relationship here. Age of the reefal limestone still not clear - see if any fossil age nearby on old map of grid A -. Intermittently there seems to be a lot of v f laminated sl qz arenaceous or mosaic silicified ? algal mats surrounding the more dolomitic darker ovale micrite knobs held amongst the anastomosed algal mats.	173607	28.67	30.8	2.13	25	0.002	13	630	0.630	Core
30.80	37.70	DV8b		Same beige l grey dense mcritic and algal bioturbated limestone only very moderately dolomitized if at all. Lighter laminates either trap f qz grains or were slightly silicified. Get thin section. Very common replacement of sl coarser textures by blotches of f gr marcassite scattered here and there, diss locally along algal selvage and in biot zones. 2% v f gr marc likely.	173608	30.8	32.92	2.12	12	0.001	4	540	0.540	Core
					173609	32.92	35.97	3.05	16	0.002	-2	250	0.250	Core
					173610	35.97	39.01	3.04	15	0.002	3	390	0.390	Core

Lithology					Assays									
From	To	Lith	M Lith	Lithology Notes	Sample	From	To	Interval	Cu PPM	Cu%	Ag PPM	Au PPb	Au g/t	Type
37.70	39.01	DV8	KRST	Crackled and sl karsted - sol breccia - reefal limesone with increasingly more dolomitic patchy and irr zones. Top of algal reef only karsted.										
39.01	43.20	DV8		Massive algal reefs and intermittant anastomosed ones with ovale black cobbley shaped remnants of micrite left.	173611	39.01	39.01	0	53	0.005	2	1090	1.090	STD 1C
					173612	39.01	42.06	3.05	8	0.001	-2	140	0.140	Core
					173613	42.06	45.11	3.05	6	0.001	-2	120	0.120	Core
43.20	47.80	DV8c		Lagunal - amphipora looking wormy rounded fossils - bioclastic v f lst matrix - likely just behind reef. Beige to black with significant - up to 5% - v f gr marc repl of patches matrix etc. A very reducing environment ? just above contact with garnet. felds porph???	173614	45.11	47.8	2.69	18	0.002	4	640	0.640	Core
47.80	52.08	C11d		M grained l grey porous concrete looking unit. Has conspicuous m green granular transluscent soft minerals - our infamous soft garnet?- 5-15% 2-5mm. Ghosts of l grey lath 1-2mm wide 2-3mm long - likely felds. Itntermittantly looks like it is absorbing a seam of carb bioclastic reefal zone, like interfingering but all is now recrystallized and blended together. The lower contact is in sharp contrast with a massive reefal unit this time it really looks like a typical stromatoporid "d2" like Pine Point reef, so we'll keep this unit with the Devonian unless we find otherwise later.Porous and .	173615	47.8	52.08	4.28	5	0.001	2	600	0.600	Core
52.08	55.75	DV8		Massive "D2" looking stromatoporid reef bulbous as a Pine Point Reef would be, but dense - no porosity.	173616	52.08	54.25	2.17	8	0.001	2	300	0.300	Core
					173617	54.25	55.75	1.5	24	0.002	-2	220	0.220	Core
55.75	59.05	DV8c		Black to grey micrite with bioclastic floats of amphipora 10% and other back reef facies fragmentals. Dense liomestone	173618	55.75	59.05	3.3	7	0.001	2	160	0.160	Core
59.05	66.45	DV8		Upper part still intermittant - waning inand out of refa. Base is olid reef - classic Pine Point typw stromatoporidae reef. Definitely Devonian looking. Still irr repl clots of v f gr marcassite in few of bioturbateed irr small shapes sporadic 1-2% average. EOH at 66.45	173619	59.05	60.35	1.3	18	0.002	5	240	0.240	Core
					173620	60.35	63.4	3.05	15	0.002	5	390	0.390	Core
					173621	63.4	66.45	3.05	13	0.001	3	440	0.440	Core

tHoleID	nFROM	nTO	nLENGTH	tSample	SampleID	AuPPB_FA	CuPPM	AgPPM	tAcmeFile
HW-601	2.2	5.49	3.29	Core	173701	123	5	0.5	A606624
HW-601	5.49	8.53	3.04	Core	173702	100	4	0.6	A606624
HW-601	8.53	11.58	3.05	Core	173703	67	6	0.7	A606624
HW-601	11.58	14.63	3.05	Core	173704	50	9	0.8	A606624
HW-601	14.63	17.58	2.95	Core	173705	50	7	0.9	A606624
HW-601	17.58	18.52	0.94	Core	173706	84	12	1.3	A606624
HW-601	18.52	20.73	2.21	Core	173707	74	13	1.3	A606624
HW-601	20.73	23.77	3.04	Core	173708	86	16	1.4	A606624
HW-601	23.77	24.9	1.13	Core	173709	90	6	1.2	A606624
HW-601	24.9	26.1	1.2	Core	173710	109	3	1.6	A606624
HW-601	26.1	27.3	1.2	Core	173711	212	7	1.3	A606624
HW-601	27.3	30.35	3.05	Core	173712	45	1	0.4	A606624
HW-601	30.35	32.92	2.57	Core	173714	2	1	0.3	A606624
HW-601	32.92	33.55	0.63	Core	173715	8	1	-0.3	A606624
HW-601	33.55	35.09	1.54	Core	173716	17	1	0.3	A606624
HW-601	35.09	35.97	0.88	Core	173717	10	1	0.6	A606624
HW-601	35.97	37.4	1.43	Core	173718	21	-1	-0.3	A606624
HW-601	37.4	39.6	2.2	Core	173719	31	4	-0.3	A606624
HW-601	39.6	40.4	0.8	Core	173720	73	23	0.4	A606624
HW-601	40.4	42.06	1.66	Core	173721	44	13	0.5	A606624
HW-601	42.06	44.25	2.19	Core	173723	110	9	0.6	A606624
HW-601	44.25	46.2	1.95	Core	173724	104	7	0.6	A606624
HW-601	46.2	48.15	1.95	Core	173725	107	8	0.5	A606624
HW-601	48.15	48.7	0.55	Core	173726	58	6	0.5	A606624
HW-601	48.7	49.9	1.2	Core	173727	20	1	0.3	A606624
HW-601	49.9	51.21	1.31	Core	173728	72	2	-0.3	A606624
HW-601	51.21	53.8	2.59	Core	173729	49	2	-0.3	A606624
HW-601	53.8	56	2.2	Core	173730	34	-1	-0.3	A606624
HW-601	56	58.7	2.7	Core	173731	21	-1	-0.3	A606624
HW-601	58.7	60.35	1.65	Core	173732	11	-1	0.3	A606624
HW-601	60.35	63.4	3.05	Core	173734	13	1	0.4	A606624
HW-601	63.4	65.8	2.4	Core	173735	25	-1	-0.3	A606624
HW-601	65.8	67.55	1.75	Core	173736	12	-1	-0.3	A606624
HW-601	67.55	69.49	1.94	Core	173737	38	1	0.3	A606624
HW-601	69.49	72.54	3.05	Core	173738	11	1	-0.3	A606624
HW-601	72.54	74.33	1.79	Core	173739	75	1	0.4	A606624
HW-601	74.33	75.59	1.26	Core	173740	82	2	0.4	A606624
HW-601	75.59	78.45	2.86	Core	173741	112	2	0.4	A606624
HW-601	78.45	80.15	1.7	Core	173742	184	6	0.6	A606624
HW-601	80.15	82.21	2.06	Core	173743	19	2	-0.3	A606624
HW-601	82.21	84.73	2.52	Core	173745	10	2	0.3	A606624
HW-601	84.73	87.78	3.05	Core	173746	-2	2	-0.3	A606624
HW-601	87.78	91.9	4.12	Core	173747	2	3	0.3	A606624
HW-601	91.9	95.1	3.2	Core	173748	42	2	-0.3	A606624
HW-601	95.1	96.93	1.83	Core	173749	44	1	0.4	A606624
HW-601	96.93	99.97	3.04	Core	173750	35	2	0.5	A606624
HW-601	99.97	103.02	3.05	Core	173051	14	3	0.6	A606624
HW-601	103.02	106.07	3.05	Core	173052	67	5	0.7	A606624
HW-601	106.07	107.8	1.73	Core	173053	26	4	0.4	A606624
HW-601	107.8	111.55	3.75	Core	173054	23	3	0.5	A606624

tHoleID	nFROM	nTO	nLENGTH	tSample	SampleID	AuPPB_FA	CuPPM	AgPPM	tAcmeFile
HW-601	111.55	112.17	0.62	Core	173056	48	3	0.5	A606624
HW-601	112.17	115.15	2.98	Core	173057	232	5	0.9	A606624
HW-601	115.15	117.2	2.05	Core	173058	72	3	0.6	A606624
HW-601	117.2	118.26	1.06	Core	173059	10	1	0.3	A606624
HW-601	118.26	121.31	3.05	Core	173060	14	2	0.3	A606624
HW-601	121.31	124.36	3.05	Core	173061	102	4	0.5	A606624
HW-601	124.36	127.41	3.05	Core	173062	26	1	-0.3	A606624
HW-601	127.41	130.45	3.04	Core	173063	31	2	-0.3	A606624
HW-601	130.45	133.5	3.05	Core	173064	73	3	0.3	A606624
HW-601	133.5	135.3	1.8	Core	173065	94	4	0.5	A606624
HW-601	135.3	135.8	0.5	Core	173067	126	1	0.5	A606624
HW-601	135.8	139.8	4	Core	173068	129	15	1.4	A606624
HW-601	139.8	142.65	2.85	Core	173069	46	5	0.8	A606624
HW-601	142.65	144.92	2.27	Core	173070	217	21	2.9	A606624
HW-601	144.92	146.26	1.34	Core	173071	168	11	1.3	A606624
HW-601	146.26	147.35	1.09	Core	173072	35	9	1.2	A606624
HW-601	147.35	148.74	1.39	Core	173073	110	15	1.6	A606624
HW-601	148.74	151.8	3.06	Core	173074	137	19	1.4	A606624
HW-601	151.8	154.84	3.04	Core	173075	135	45	2.2	A606624
HW-601	154.84	158.35	3.51	Core	173076	157	97	2.9	A606624
HW-601	158.35	159.2	0.85	Core	173078	317	48	1.4	A606624
HW-601	159.2	161.15	1.95	Core	173079	303	36	2	A606624
HW-601	161.15	164	2.85	Core	173080	382	45	4.6	A606624
HW-601	164	167.03	3.03	Core	173081	167	51	2.6	A606624
HW-601	167.03	169.4	2.37	Core	173082	203	48	3	A606624
HW-601	169.4	171.4	2	Core	173083	58	19	1.5	A606624
HW-601	171.4	173.13	1.73	Core	173084	151	13	1.7	A606624
HW-601	173.13	175.07	1.94	Core	173085	21	4	0.7	A606624
HW-601	175.07	176.17	1.1	Core	173086	46	16	1.5	A606624
HW-601	176.17	179.22	3.05	Core	173087	91	7	1.2	A606624
HW-602	23.55	26.82	3.27	Core	173251	10	19	0.6	A607489
HW-602	26.82	29.87	3.05	Core	173252	9	13	0.3	A607489
HW-602	29.87	33.35	3.48	Core	173253	9	23	-0.3	A607489
HW-602	33.35	35.97	2.62	Core	173254	15	113	0.5	A607489
HW-602	35.97	37.7	1.73	Core	173256	29	110	0.6	A607489
HW-602	35.97	35.97	0	STD	173255	0	0	0	
HW-602	37.7	39.01	1.31	Core	173257	9	22	-0.3	A607489
HW-602	39.01	42.06	3.05	Core	173258	11	7	-0.3	A607489
HW-602	42.06	44.05	1.99	Core	173259	11	11	-0.3	A607489
HW-602	44.05	46.3	2.25	Core	173260	5	7	-0.3	A607489
HW-602	46.3	51.21	4.91	Core	173261	14	6	0.5	A607489
HW-602	51.21	54.45	3.24	Core	173262	10	13	-0.3	A607489
HW-602	54.45	58	3.55	Core	173263	26	155	0.5	A607489
HW-602	58	60.35	2.35	Core	173264	27	75	0.6	A607489
HW-602	60.35	62.2	1.85	Core	173265	24	82	0.5	A607489
HW-602	62.2	64.25	2.05	Core	173267	23	36	0.4	A607489
HW-602	62.2	62.2	0	STD	173266	0	0	0	
HW-602	64.25	67.75	3.5	Core	173268	16	53	-0.3	A607489
HW-602	67.75	70.1	2.35	Core	173269	7	16	-0.3	A607489
HW-602	70.1	71.36	1.26	Core	173270	16	48	-0.3	A607489

tHoleID	nFROM	nTO	nLENGTH	tSample	SampleID	AuPPB_FA	CuPPM	AgPPM	tAcmeFile
HW-602	71.36	72.2	0.84	Core	173271	5	21	0.3	A607489
HW-602	72.2	73.9	1.7	Core	173272	11	13	-0.3	A607489
HW-602	73.9	75.59	1.69	Core	173273	11	14	-0.3	A607489
HW-602	75.59	76.95	1.36	Core	173274	8	16	-0.3	A607489
HW-602	76.95	77.8	0.85	Core	173275	23	203	-0.3	A607489
HW-602	77.8	81	3.2	Core	173276	7	16	-0.3	A607489
HW-602	81	83.4	2.4	Core	173278	12	32	-0.3	A607489
HW-602	81	81	0	STD	173277	0	0	0	
HW-602	83.4	84.73	1.33	Core	173279	25	14	0.3	A607489
HW-602	84.73	86.25	1.52	Core	173280	16	8	-0.3	A607489
HW-602	86.25	88.37	2.12	Core	173281	12	15	-0.3	A607489
HW-602	88.37	90.25	1.88	Core	173282	37	7	-0.3	A607489
HW-602	90.25	93.3	3.05	Core	173283	14	10	-0.3	A607489
HW-602	93.3	94.95	1.65	Core	173284	7	12	-0.3	A607489
HW-602	94.95	96.93	1.98	Core	173285	9	6	-0.3	A607489
HW-602	96.93	99.11	2.18	Core	173286	8	6	-0.3	A607489
HW-602	99.11	100.34	1.23	Core	173287	17	3	-0.3	A607489
HW-602	100.34	102.36	2.02	Core	173289	20	7	-0.3	A607489
HW-602	100.34	100.34	0	STD	173288	0	0	0	
HW-602	102.36	104.33	1.97	Core	173290	28	9	-0.3	A607489
HW-602	104.33	106.07	1.74	Core	173291	26	9	-0.3	A607489
HW-602	106.07	107.65	1.58	Core	173292	30	6	0.4	A607489
HW-602	107.65	109.12	1.47	Core	173293	65	7	0.4	A607489
HW-602	109.12	112.17	3.05	Core	173294	57	5	-0.3	A607489
HW-602	112.17	113.93	1.76	Core	173295	109	8	0.4	A607489
HW-602	113.93	115.21	1.28	Core	173296	37	8	-0.3	A607489
HW-602	115.21	118.26	3.05	Core	173297	27	1	-0.3	A607489
HW-602	118.26	121.31	3.05	Core	173298	13	1	-0.3	A607489
HW-602	121.31	124.36	3.05	Core	173300	237	17	1.3	A607489
HW-602	121.31	121.31	0	STD	173299	0	0	0	
HW-602	124.36	125.6	1.24	Core	173301	46	6	0.4	A607489
HW-602	125.6	129.55	3.95	Core	173302	30	4	-0.3	A607489
HW-602	129.55	132.65	3.1	Core	173303	26	3	-0.3	A607489
HW-602	132.65	134.7	2.05	Core	173304	14	3	-0.3	A607489
HW-602	134.7	136.55	1.85	Core	173305	12	4	-0.3	A607489
HW-602	136.55	138.25	1.7	Core	173306	5	10	-0.3	A607489
HW-602	138.25	140.33	2.08	Core	173307	19	2	-0.3	A607489
HW-602	140.33	143.35	3.02	Core	173308	61	6	0.4	A607489
HW-602	143.35	146.4	3.05	Core	173309	29	47	0.3	A607489
HW-602	146.4	148.74	2.34	Core	173310	90	16	0.9	A607489
HW-602	148.74	151.79	3.05	Core	173312	78	348	0.3	A607489
HW-602	148.74	148.74	0	STD	173311	0	0	0	
HW-602	151.79	154.55	2.76	Core	173313	42	7	-0.3	A607489
HW-602	154.55	155.85	1.3	Core	173314	68	3	0.3	A607489
HW-602	155.85	157.88	2.03	Core	173315	80	18	0.8	A607489
HW-603	15.15	17.68	2.53	Core	173316	14	5.6	-0.1	A607851
HW-603	17.68	20.73	3.05	Core	173317	21	12.4	-0.1	A607851
HW-603	20.73	23.77	3.04	Core	173318	4	4.5	-0.1	A607851
HW-603	23.77	26.82	3.05	Core	173319	6	2.4	-0.1	A607851
HW-603	26.82	29.87	3.05	Core	173320	27	2.6	-0.1	A607851

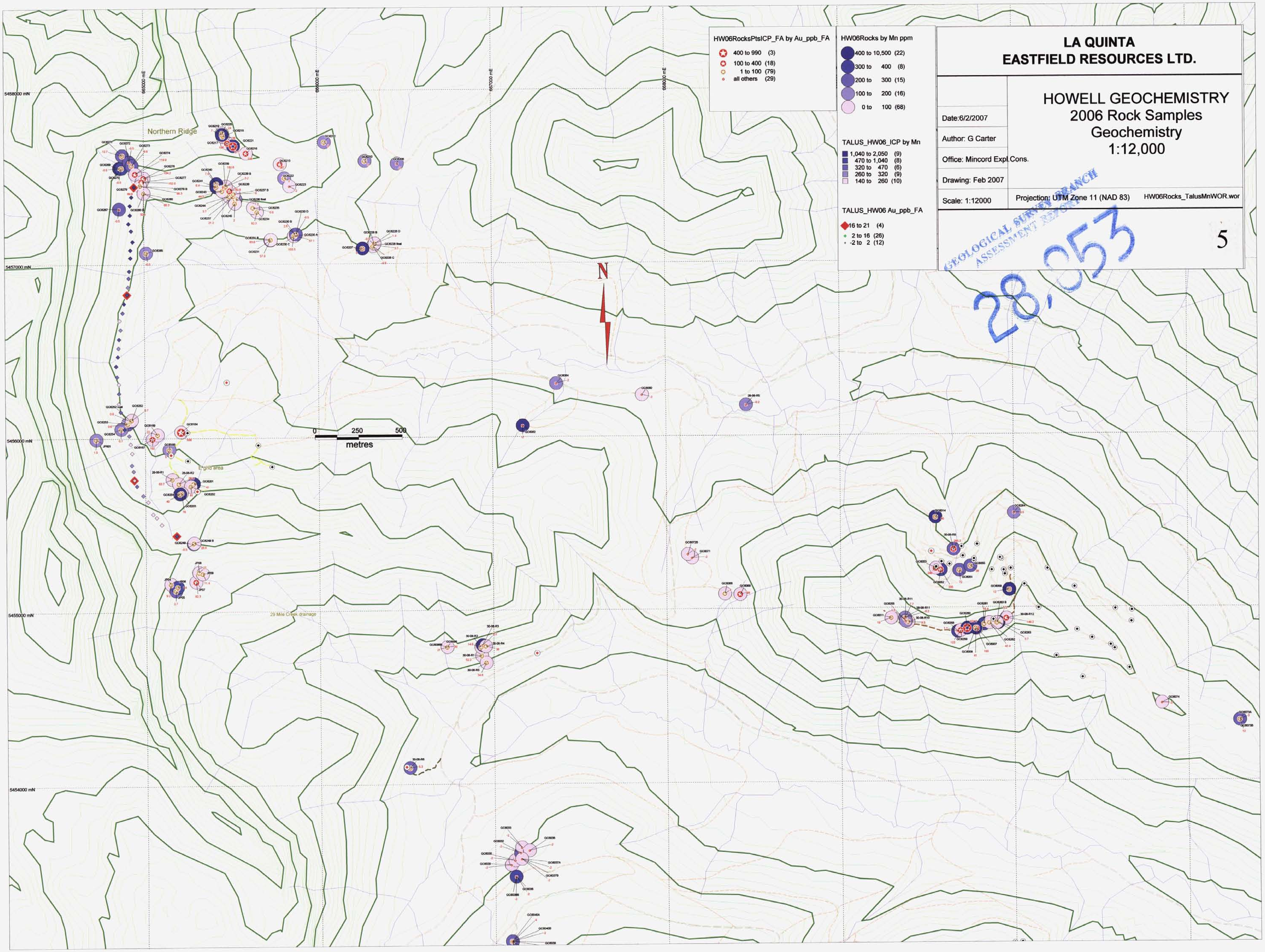
tHoleID	nFROM	nTO	nLENGTH	tSample	SampleID	AuPPB_FA	CuPPM	AgPPM	tAcmeFile
HW-603	29.87	32.92	3.05	Core	173321	14	8.2	-0.1	A607851
HW-603	32.92	35.97	3.05	Core	173323	-2	8.5	-0.1	A607851
HW-603	35.97	39.01	3.04	Core	173324	3	7.1	-0.1	A607851
HW-603	39.01	42.45	3.44	Core	173325	21	10.9	-0.1	A607851
HW-603	42.45	45.11	2.66	Core	173326	212	26.2	1.2	A607851
HW-603	45.11	47.1	1.99	Core	173327	409	54.5	1.5	A607851
HW-603	47.1	50.1	3	Core	173328	98	66	0.2	A607851
HW-603	50.1	52.4	2.3	Core	173329	28	2.1	-0.1	A607851
HW-603	52.4	54	1.6	Core	173330	22	1.3	-0.1	A607851
HW-603	54	54.8	0.8	Core	173331	29	4.9	0.1	A607851
HW-603	54.8	57.3	2.5	Core	173332	54	2.4	0.2	A607851
HW-603	57.3	60.35	3.05	Core	173334	320	3.7	1.3	A607851
HW-603	60.35	62.3	1.95	Core	173335	134	4.9	0.7	A607851
HW-603	62.3	65.4	3.1	Core	173336	103	36.1	0.5	A607851
HW-603	65.4	68.2	2.8	Core	173337	208	23.7	0.5	A607851
HW-603	68.2	69.49	1.29	Core	173338	151	10.2	0.1	A607851
HW-603	69.49	72.54	3.05	Core	173339	216	7.3	0.3	A607851
HW-603	72.54	74.5	1.96	Core	173340	37	8.5	-0.1	A607851
HW-603	74.5	78.64	4.14	Core	173341	9	7.1	-0.1	A607851
HW-603	78.64	80	1.36	Core	173342	12	8.3	-0.1	A607851
HW-603	80	82.43	2.43	Core	173343	12	11.2	-0.1	A607851
HW-603	82.43	84.19	1.76	Core	173345	30	9	0.1	A607851
HW-603	84.19	86.8	2.61	Core	173346	28	14.4	0.1	A607851
HW-603	86.8	88.16	1.36	Core	173347	2	6.9	-0.1	A607851
HW-603	88.16	90.83	2.67	Core	173348	3	8.7	-0.1	A607851
HW-603	90.83	92.35	1.52	Core	173349	-2	8.6	-0.1	A607851
HW-603	92.35	94.9	2.55	Core	173350	-2	7.3	-0.1	A607851
HW-603	94.9	97.6	2.7	Core	173351	2	8.2	-0.1	A607851
HW-603	97.6	99.97	2.37	Core	173352	-2	7.1	-0.1	A607851
HW-603	99.97	103.55	3.58	Core	173353	4	6.7	-0.1	A607851
HW-603	103.55	106.75	3.2	Core	173354	252	13.9	0.6	A607851
HW-603	106.75	109.12	2.37	Core	173356	197	8.3	0.3	A607851
HW-603	109.12	112.17	3.05	Core	173357	179	11.3	0.1	A607851
HW-603	112.17	115.21	3.04	Core	173358	117	9.8	0.1	A607851
HW-603	115.21	116.55	1.34	Core	173359	136	7.9	0.3	A607851
HW-603	116.55	119.15	2.6	Core	173360	48	2	-0.1	A607851
HW-603	119.15	121.03	1.88	Core	173361	31	0.8	-0.1	A607851
HW-603	121.03	124.36	3.33	Core	173362	26	1.6	-0.1	A607851
HW-603	124.36	125.7	1.34	Core	173363	14	2.1	0.1	A607851
HW-603	125.7	129.3	3.6	Core	173364	91	3.5	0.5	A607851
HW-603	129.3	131.4	2.1	Core	173365	52	6	0.4	A607851
HW-603	131.4	133.5	2.1	Core	173367	52	5.2	0.3	A607851
HW-603	133.5	136.92	3.42	Core	173368	71	2	0.3	A607851
HW-603	136.92	138.22	1.3	Core	173369	281	5.9	0.7	A607851
HW-603	138.22	139.35	1.13	Core	173370	78	6.7	-0.1	A607851
HW-603	139.35	140.6	1.25	Core	173371	496	13.1	0.3	A607851
HW-603	140.6	143.22	2.62	Core	173372	48	18.8	0.2	A607851
HW-603	143.22	145.69	2.47	Core	173373	47	8.8	0.2	A607851
HW-603	145.69	148.74	3.05	Core	173374	167	9.6	0.7	A607851
HW-603	148.74	152.25	3.51	Core	173375	453	8.1	1.1	A607851

tHoleID	nFROM	nTO	nLENGTH	tSample	SampleID	AuPPB_FA	CuPPM	AgPPM	tAcmeFile
HW-603	152.25	154.05	1.8	Core	173376	404	6.3	1.3	A607851
HW-603	154.05	157.28	3.23	Core	173378	311	6.1	1.3	A607851
HW-604	16.5	17.55	1.05	Core	173801	16	11.7	-0.1	A608173
HW-604	17.55	20.3	2.75	Core	173802	19	4.8	-0.1	A608173
HW-604	20.3	23.77	3.47	Core	173803	279	9.8	0.2	A608173
HW-604	23.77	25.75	1.98	Core	173804	18	10.7	-0.1	A608173
HW-604	25.75	29.05	3.3	Core	173805	6	6.1	-0.1	A608173
HW-604	29.05	30.8	1.75	Core	173806	25	2.6	-0.1	A608173
HW-604	30.8	32.92	2.12	Core	173807	13	37.8	-0.1	A608173
HW-604	32.92	34.25	1.33	Core	173808	6	15.8	-0.1	A608173
HW-604	34.25	35.25	1	Core	173809	44	7.2	-0.1	A608173
HW-604	35.25	38.25	3	Core	173810	20	16.4	-0.1	A608173
HW-604	38.25	41.15	2.9	Core	173812	11	4.4	-0.1	A608173
HW-604	41.15	45.15	4	Core	173813	5	12.2	-0.1	A608173
HW-604	45.15	48.16	3.01	Core	173814	4	4.3	-0.1	A608173
HW-604	48.16	54.25	6.09	Core	173815	4	8.9	-0.1	A608173
HW-604	54.25	60.35	6.1	Core	173816	28	57.6	-0.1	A608173
HW-604	60.35	63.4	3.05	Core	173817	30	25	-0.1	A608173
HW-604	63.4	65.8	2.4	Core	173818	24	42.6	-0.1	A608173
HW-604	65.8	67.95	2.15	Core	173819	10	13.6	-0.1	A608173
HW-604	67.95	68.9	0.95	Core	173820	23	80.6	-0.1	A608173
HW-604	68.9	70	1.1	Core	173821	8	17.5	-0.1	A608173
HW-604	70	72.25	2.25	Core	173823	19	39.9	-0.1	A608173
HW-604	72.25	73.3	1.05	Core	173824	7	33.9	-0.1	A608173
HW-604	73.3	74.3	1	Core	173825	3	4.5	-0.1	A608173
HW-604	74.3	75.8	1.5	Core	173826	18	5.3	-0.1	A608173
HW-604	75.8	78.64	2.84	Core	173827	26	8.7	-0.1	A608173
HW-604	78.64	81.69	3.05	Core	173828	137	9.3	-0.1	A608173
HW-604	81.69	84.73	3.04	Core	173829	106	38.3	-0.1	A608173
HW-604	84.73	87.78	3.05	Core	173830	83	25.8	-0.1	A608173
HW-604	87.78	89.55	1.77	Core	173831	25	9.7	-0.1	A608173
HW-604	89.55	90.83	1.28	Core	173832	31	54.2	-0.1	A608173
HW-604	90.83	93.98	3.15	Core	173834	50	89.1	-0.1	A608173
HW-604	93.98	96.93	2.95	Core	173835	87	84.8	0.2	A608173
HW-604	96.93	99.97	3.04	Core	173836	46	13.6	-0.1	A608173
HW-604	99.97	104.8	4.83	Core	173837	32	288.9	0.1	A608173
HW-604	104.8	106.07	1.27	Core	173838	58	61.8	0.1	A608173
HW-604	106.07	110.12	4.05	Core	173839	56	45.9	0.1	A608173
HW-604	110.12	111.9	1.78	Core	173840	137	98.3	0.2	A608173
HW-604	111.9	114.5	2.6	Core	173841	167	141.9	-0.1	A608173
HW-604	114.5	116.15	1.65	Core	173842	169	52.9	-0.1	A608173
HW-604	116.15	117.56	1.41	Core	173843	48	82.1	-0.1	A608173
HW-604	117.56	120.3	2.74	Core	173845	12	55.8	-0.1	A608173
HW-604	120.3	121.85	1.55	Core	173846	32	145.9	-0.1	A608173
HW-604	121.85	124.36	2.51	Core	173847	7	102.5	-0.1	A608173
HW-604	124.36	126.45	2.09	Core	173848	2	30.1	-0.1	A608173
HW-604	126.45	128.9	2.45	Core	173849	6	35.9	-0.1	A608173
HW-604	128.9	130.45	1.55	Core	173850	4	23.7	-0.1	A608173
HW-604	130.45	131.85	1.4	Core	173851	9	53.9	-0.1	A608173
HW-604	131.85	133.2	1.35	Core	173852	9	103	-0.1	A608173

tHoleID	nFROM	nTO	nLENGTH	tSample	SampleID	AuPPB_FA	CuPPM	AgPPM	tAcmeFile
HW-604	133.2	136.55	3.35	Core	173853	7	49.7	-0.1	A608173
HW-604	136.55	138.8	2.25	Core	173854	-2	32.1	-0.1	A608173
HW-604	138.8	140.5	1.7	Core	173855	7	46.1	-0.1	A608173
HW-604	140.5	143.45	2.95	Core	173856	8	8.5	-0.1	A608173
HW-605	8.13	11.58	3.45	Core	173858	10	12.9	-0.1	A608526
HW-605	11.58	14.63	3.05	Core	173859	25	13.2	0.1	A608526
HW-605	14.63	17.68	3.05	Core	173860	15	20.1	-0.1	A608526
HW-605	17.68	20.73	3.05	Core	173861	25	16.1	0.1	A608526
HW-605	20.73	23.77	3.04	Core	173862	38	47	0.2	A608526
HW-605	23.77	26.82	3.05	Core	173863	49	67.6	0.3	A608526
HW-605	26.82	28.09	1.27	Core	173864	46	96.3	0.2	A608526
HW-605	28.09	29.87	1.78	Core	173865	34	63.8	0.2	A608526
HW-605	29.87	32.3	2.43	Core	173867	12	49.9	-0.1	A608526
HW-605	32.3	35.5	3.2	Core	173868	93	390.2	1.2	A608526
HW-605	35.5	38.47	2.97	Core	173869	22	140.7	0.4	A608526
HW-605	38.47	39.01	0.54	Core	173870	18	139.9	0.2	A608526
HW-605	39.01	40.07	1.06	Core	173871	29	201.5	0.5	A608526
HW-605	40.07	41.76	1.69	Core	173872	54	127.9	0.8	A608526
HW-605	41.76	45.11	3.35	Core	173873	89	103.6	0.8	A608526
HW-605	45.11	47.76	2.65	Core	173874	109	117.4	0.7	A608526
HW-605	47.76	48.16	0.4	Core	173875	32	33.1	0.5	A608526
HW-605	48.16	49.65	1.49	Core	173876	62	70.5	0.6	A608526
HW-605	49.65	52.67	3.02	Core	173878	96	84.5	1.1	A608526
HW-605	52.67	54.25	1.58	Core	173879	108	70.4	1.2	A608526
HW-605	54.25	56.96	2.71	Core	173880	68	99.4	0.8	A608526
HW-605	56.96	60.35	3.39	Core	173881	83	277.6	0.8	A608526
HW-605	60.35	63.4	3.05	Core	173882	48	63.6	0.4	A608526
HW-605	63.4	66.06	2.66	Core	173883	39	111.1	0.5	A608526
HW-605	66.06	67.52	1.46	Core	173884	27	24.7	0.2	A608526
HW-605	67.52	68.32	0.8	Core	173885	34	30.9	0.3	A608526
HW-605	68.32	69.49	1.17	Core	173886	23	16.4	0.3	A608526
HW-605	69.49	72.54	3.05	Core	173887	39	115.6	0.8	A608526
HW-605	72.54	74.25	1.71	Core	173889	26	45.3	0.5	A608526
HW-605	74.25	76.23	1.98	Core	173890	61	26.1	0.7	A608526
HW-605	76.23	80.9	4.67	Core	173891	35	26.7	0.4	A608526
HW-605	80.9	81.69	0.79	Core	173892	34	66.7	0.5	A608526
HW-605	81.69	83.9	2.21	Core	173893	66	102.6	2.6	A608526
HW-605	83.9	86.63	2.73	Core	173894	21	21.4	0.3	A608526
HW-605	86.63	87.78	1.15	Core	173895	27	62.4	0.2	A608526
HW-605	87.78	90.54	2.76	Core	173896	22	49.4	0.3	A608526
HW-605	90.54	92.75	2.21	Core	173897	25	42.1	0.4	A608526
HW-605	92.75	95.12	2.37	Core	173898	20	60.5	0.2	A608526
HW-605	95.12	96.6	1.48	Core	173900	31	131.2	0.4	A608526
HW-605	96.6	98.99	2.39	Core	173901	39	147	0.7	A608526
HW-605	98.99	100.17	1.18	Core	173902	42	220.8	1.3	A608526
HW-605	100.17	102.39	2.22	Core	173903	51	52.4	0.6	A608526
HW-605	102.39	105.75	3.36	Core	173904	47	70.7	0.7	A608526
HW-605	105.75	108.52	2.77	Core	173905	40	72.6	1	A608526
HW-605	108.52	111.24	2.72	Core	173906	40	48.9	0.4	A608526
HW-605	111.24	113.44	2.2	Core	173907	49	32.7	0.4	A608526

tHoleID	nFROM	nTO	nLENGTH	tSample	SampleID	AuPPB_FA	CuPPM	AgPPM	tAcmeFile
HW-605	113.44	115.38	1.94	Core	173908	38	57.2	0.5	A608526
HW-605	115.38	116.67	1.29	Core	173909	40	65.3	0.5	A608526
HW-605	116.67	119.25	2.58	Core	173910	33	79.3	0.6	A608526
HW-605	119.25	121.31	2.06	Core	173912	55	156.1	1.1	A608526
HW-605	121.31	123.78	2.47	Core	173913	28	51.7	0.3	A608526
HW-605	123.78	127.15	3.37	Core	173914	46	53.1	0.4	A608526
HW-605	127.15	129.85	2.7	Core	173915	25	66.3	0.3	A608526
HW-605	129.85	131.97	2.12	Core	173916	24	46.3	0.3	A608526
HW-605	131.97	134.5	2.53	Core	173917	30	119.7	0.4	A608526
HW-605	134.5	136.55	2.05	Core	173918	28	30.5	0.4	A608526
HW-605	136.55	138.66	2.11	Core	173919	45	60.1	0.3	A608526
HW-605	138.66	139.8	1.14	Core	173920	25	33.4	0.2	A608526
HW-605	139.8	141	1.2	Core	173921	27	30.5	0.2	A608526
HW-605	141	143.1	2.1	Core	173923	20	29.7	0.2	A608526
HW-605	143.1	145.69	2.59	Core	173924	21	82.8	0.3	A608526
HW-605	145.69	148.74	3.05	Core	173925	32	130	0.3	A608526
HW-605	148.74	151.79	3.05	Core	173926	30	74.5	0.4	A608526
HW-605	151.79	153.11	1.32	Core	173927	53	103.5	0.7	A608526
HW-605	153.11	156.3	3.19	Core	173928	21	81.6	0.3	A608526
HW-605	156.3	157.25	0.95	Core	173929	22	102.9	0.4	A608526
HW-605	157.25	159.64	2.39	Core	173930	13	55.5	1.1	A608526
HW-605	159.64	162.4	2.76	Core	173931	35	71.1	1	A608526
HW-605	162.4	163.98	1.58	Core	173932	18	44.5	0.7	A608526
HW-605	163.98	165.38	1.4	Core	173934	19	91.3	3	A608526
HW-605	165.38	167.03	1.65	Core	173935	21	57.9	0.5	A608526
HW-605	167.03	169.38	2.35	Core	173936	22	24.5	0.4	A608526
HW-605	169.38	171.37	1.99	Core	173937	26	38.6	0.5	A608526
HW-605	171.37	173.13	1.76	Core	173938	60	49.3	0.7	A608526
HW-605	173.13	176.17	3.04	Core	173939	49	50.1	0.7	A608526
HW-605	176.17	177.77	1.6	Core	173940	16	24.1	0.5	A608526
HW-605	177.77	179.22	1.45	Core	173941	21	41	0.4	A608526
HW-606	8.3	11.58	3.28	Core	173601	100	3	0.5	A608880
HW-606	11.58	13.9	2.32	Core	173602	30	2	-0.3	A608880
HW-606	13.9	23.74	9.84	Core	173603	120	5	3.1	A608880
HW-606	23.74	26.82	3.08	Core	173605	670	23	5.6	A608880
HW-606	26.82	28.67	1.85	Core	173606	1180	61	12.7	A608880
HW-606	28.67	30.8	2.13	Core	173607	630	25	12.8	A608880
HW-606	30.8	32.92	2.12	Core	173608	540	12	3.9	A608880
HW-606	32.92	35.97	3.05	Core	173609	250	16	1.5	A608880
HW-606	35.97	39.01	3.04	Core	173610	390	15	2.5	A608880
HW-606	39.01	42.06	3.05	Core	173612	140	8	0.3	A608880
HW-606	42.06	45.11	3.05	Core	173613	120	6	-0.3	A608880
HW-606	45.11	47.8	2.69	Core	173614	640	18	4	A608880
HW-606	47.8	52.08	4.28	Core	173615	600	5	2.8	A608880
HW-606	52.08	54.25	2.17	Core	173616	300	8	1.6	A608880
HW-606	54.25	55.75	1.5	Core	173617	220	24	2.1	A608880
HW-606	55.75	59.05	3.3	Core	173618	160	7	1.3	A608880
HW-606	59.05	60.35	1.3	Core	173619	240	18	4.5	A608880
HW-606	60.35	63.4	3.05	Core	173620	390	15	4.6	A608880
HW-606	63.4	66.45	3.05	Core	173621	440	13	2.5	A608880

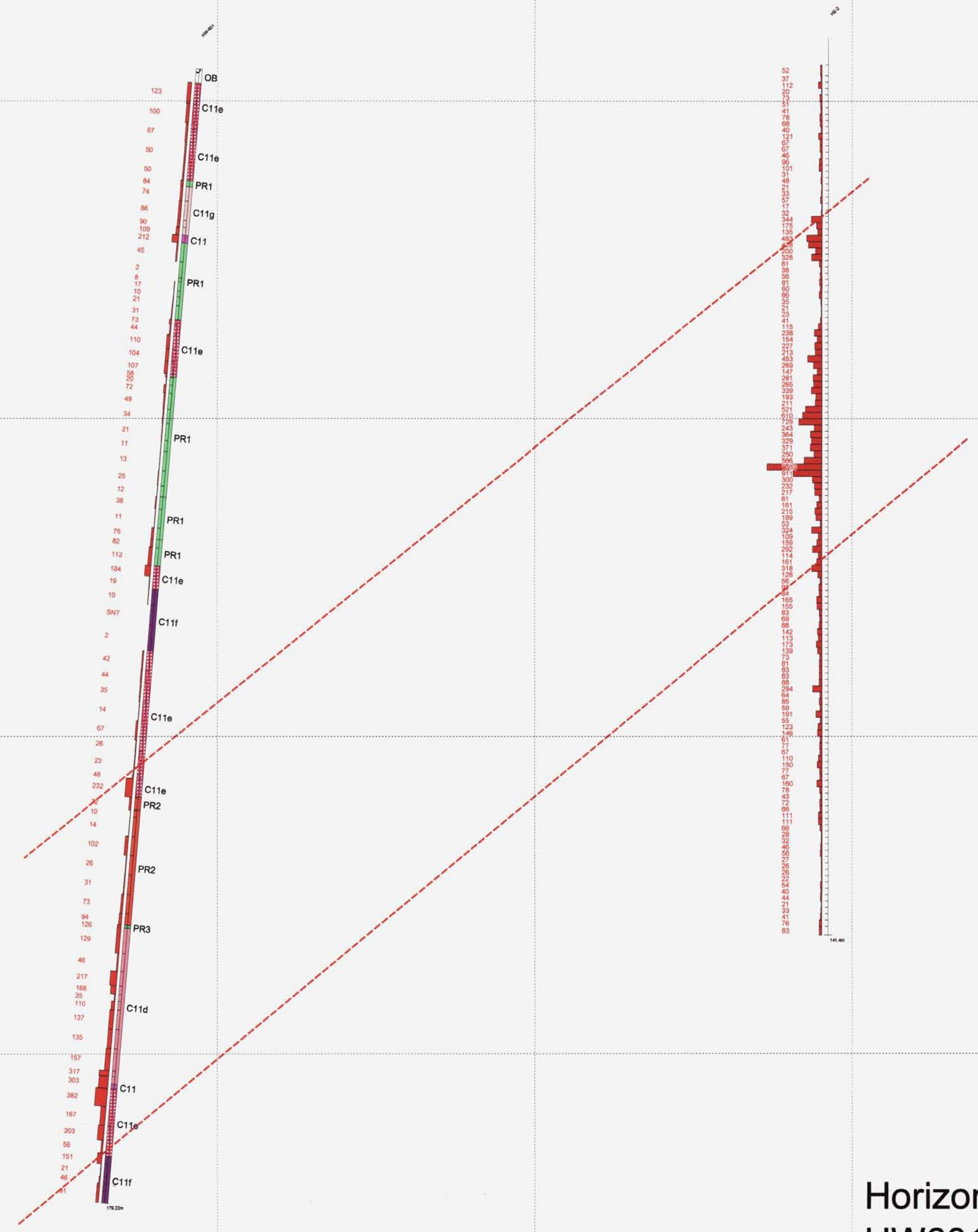
NewHoleID	Eastings83	Northings83	Elevation	Azimuth	Dip	Length__r	OldHoleID
H-02-DDH-1	669582	5455262	1845	0	-90	152.4	G02-01
H-02-DDH-2	669628	5455248	1825	0	-90	83.82	G02-02
H-02-DDH-3	669705	5455285	1825	0	-90	91.44	G02-03
H-03-DDH-1	669551	5455233	1870	0	-90	173.74	G03-01
H-03-DDH-2	669947	5455189	1985	225	-45	148.44	G03-02
HA-01	669871.29	5455214.09	1917	220	-55	158	HA 01
HA-02	669927.11	5455276.99	1930	220	-55	152	HA 02
HA-09	670572	5454986	1835	0	-90	90.8	HA 09
HA-03	669768.15	5455266.97	1850	220	-55	185	HA-03
HA-04	669697.41	5455348.36	1800	220	-60	158.5	HA-04
HA-05	670352	5455115	1880	0	-90	48.2	HA-05
HA-06	669884	5454916	2030	220	-60	198.7	HA-06
HA-07	670139.99	5454995.11	2015	220	-60	234.4	HA-07
HA-08	670183	5455229	1908	220	-70	160.63	HA-08
HE-1	665210.59	5456067.31	1883	0	-90	153.3	HE 1
HE-2	665242.73	5455870.19	1910	0	-90	141.4	HE 2
HE-3	665729.84	5455833.32	1915	180	-60	145	HE 3
HE-4	665649.75	5455957.96	1875	0	-90	161	HE 4
HRC-1	670595.61	5452863.17	1720	0	-90	122	HRC 1
HRC-10	670055.95	5453036.9	1708	0	-90	123	HRC 10
HRC-11	670240.65	5454716.94	1905	0	-90	134	HRC 11
HRC-12	670391.01	5454593.46	1855	0	-90	32	HRC 12
HRC-13	670668	5454637	1908	0	-90	133	HRC 13
HRC-14	670547	5454783	1935	0	-90	47	HRC 14
HRC-15	670567	5454759	1930	0	-90	94	HRC 15
HRC-16	670367	5454852	1980	0	-90	146	HRC 16
HRC-17	670451	5454835	1965	0	-90	136	HRC 17
HRC-18	670667	5454960	1805	0	-90	93	HRC 18
HRC-19	670662	5454909	1825	0	-90	93	HRC 19
HRC-2	670524	5452874.12	1725	0	-90	113	HRC 2
HRC-21	669980.43	5455222.35	1965	0	-90	122	HRC 21
HRC-22	669939.73	5455212.79	1950	0	-90	123	HRC 22
HRC-23	669919.33	5455284.44	1925	0	-90	62	HRC 23
HRC-3	670472.33	5452900.57	1705	0	-90	87	HRC 3
HRC-4	670400.51	5452921.98	1700	0	-90	123	HRC 4
HRC-5	670631.33	5452943.87	1670	0	-90	123	HRC 5
HRC-6	670585.95	5452945.81	1675	0	-90	124	HRC 6
HRC-7	670543.21	5452970.69	1670	0	-90	50	HRC 7
HRC-8	669990.43	5453068.87	1720	0	-90	123	HRC 8
HRC-9	670034.91	5453072.41	1710	0	-90	123	HRC 9
HRC-20	670058.73	5455130.8	2000	0	-90	123	HRC-20
HRC-24	669787.48	5455361.59	1830	0	-90	105	HRC-24
HRC-25	669769.28	5455279.08	1845	0	-90	123	HRC-25
HW-602	665470	5456320	1825	260	-80	157.88	HW-602
HW-601	665148	5455903	1905	260	-85	179.22	HW-601
HW-603	665298	5455692	1996	260	-85	157.28	HW-603
HW-604	666500	5454100	1658	260	-60	143.45	HW-604
HW-605	667250	5454750	1660	270	-49	179.22	HW-605
HW-606	669524	5455322	1850	90	-85	66.45	HW-606

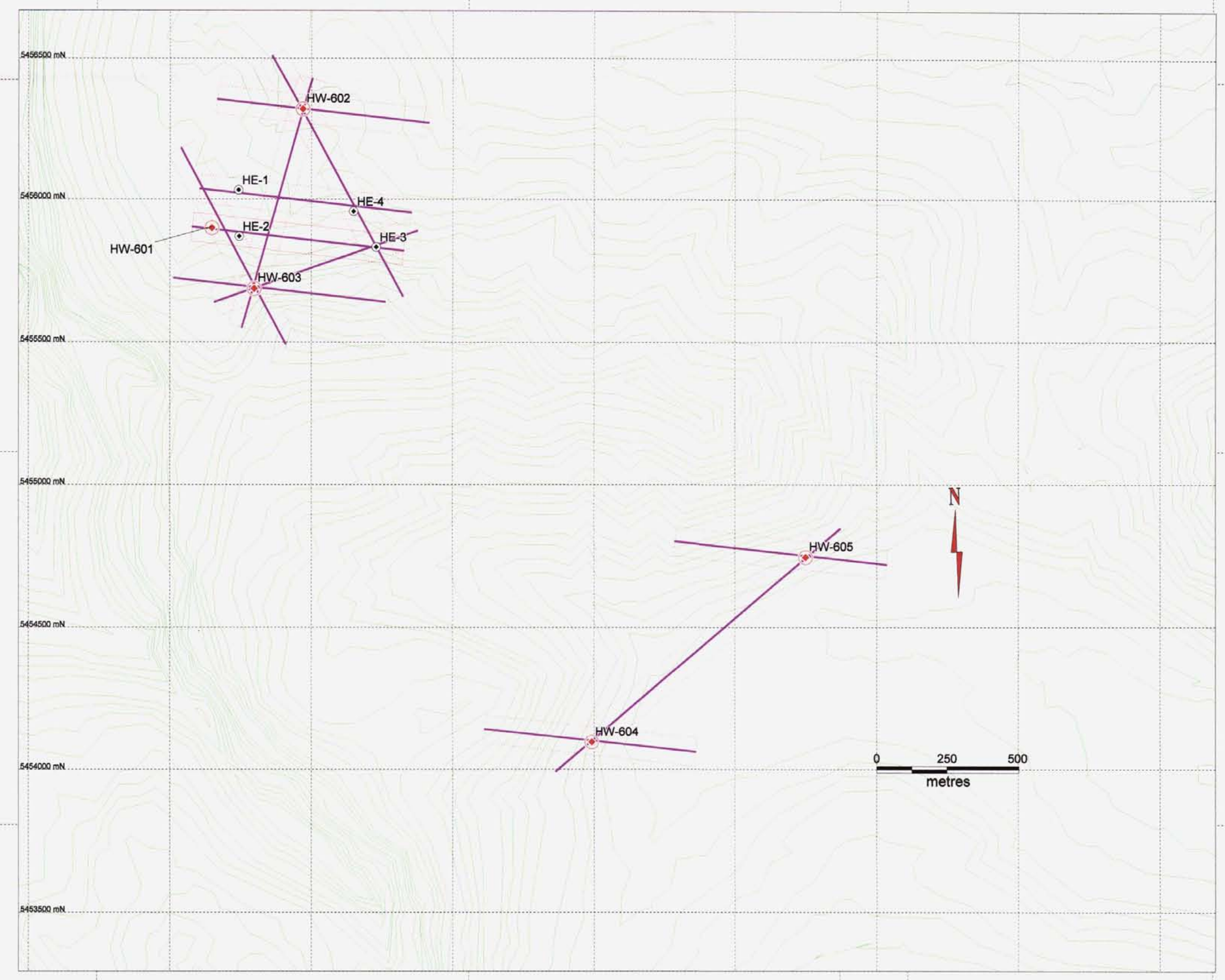


LA QUINTA
EASTFIELD RESOURCES LTD.
HOWELL GEOCHEMISTRY
2006 Rock Samples
Geochemistry
1:12,000
Date:6/2/2007
Author: G Carter
Office: Mincord Expl.Cons.
Drawing: Feb 2007
Scale: 1:12000
Projection: UTM Zone 11 (NAD 83)
HW06Rocks_TalusMnWOR.wor
5
HW06RocksPtsICP_FA by Au_ppb_FA
400 to 990 (3)
100 to 400 (18)
1 to 100 (79)
all others (29)
HW06Rocks by Mn ppm
400 to 10,500 (22)
300 to 400 (8)
200 to 300 (15)
100 to 200 (16)
0 to 100 (68)
TALUS_HW06_ICP by Mn
1,040 to 2,050 (9)
470 to 1,040 (8)
320 to 470 (6)
260 to 320 (9)
140 to 260 (10)
TALUS_HW06 Au_ppb_FA
16 to 21 (4)
2 to 16 (26)
-2 to 2 (12)
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
28,053
N
0 250 500
metres
Northern Ridge
29 Mile Creek drainage
5458000 mN
5457000 mN
5456000 mN
5455000 mN
5454000 mN
665000 mE
666000 mE
667000 mE
668000 mE

2000mRL

Scale 1:500
Section Origin (top left)
665079.22 m E
5455902.6 m N
2022.6 m RL
Orientation 96.3 deg





Horizontal projection of Interpreted
HW601 to HE3 mineralization trace

DRILL LEGEND

PROTEROZOIC / CAMBRIAN / DEVONIAN / CRETACEOUS ALKALI INTRUSIVES

OB	Overburden (Length of casing)
KRST	Solution collapse breccia - including heterolithic
C11	Howell Intrusions - Cretaceous
C11h	Diatreme - polymictic within syenite type matrix 1
C11e	Coarse porphyry syenite - Trachytic or megacrystic
C11g	Non Porphyry grey m equigranular xtline felt text
C11f	Tinguite - foid syenite
C11d	Crowded porphyry microsyenite - common micro porph
C11c	Microsyenite - an aplitic dike?
C11b	Intrusion breccia
C11a	Melasyenite/gabbro
DV8	Reefal cream beige lst & dol with black dark grey
DV8b	Interbedded dk bioturbated and bituminous (?) carb
DV8c	Lagunal - Amphipora looking wormy back reef biocla
CB4	Flathed Fm Quartz arenite - Cambrian
CB4a	Cambrian shale unit
PR3	Roosville Fm: Green siltite, argillite
PR2	Phillips Fm: Maroon siltstone
PR1	Gateway Fm: Greenish argillite, siltite
Histogram	histogram >=20 ppb Au in sample

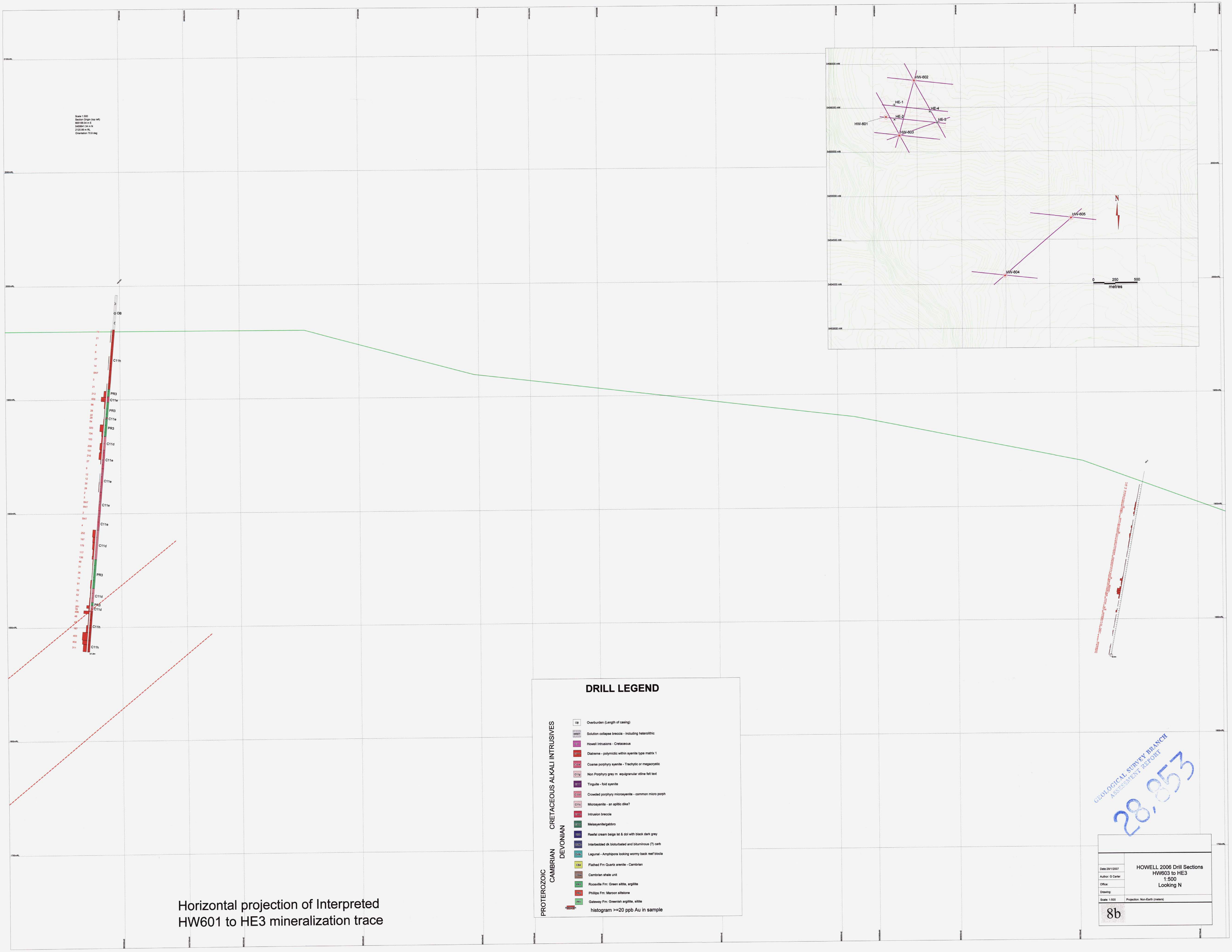
EASTFIELD RESOURCES LTD.
LA QUINTA RESOURCES LTD.

HOWELL 2006 Drill Sections
HW601 to HE3 _ West half
Looking N

Au ppb in red

Date:29/1/2007
Author: G Carter
Office: Mincord Expl. Cons.
Drawing:
Scale: 1:500
Projection: Non-Earth (meters)

8a



DRILL LEGEND

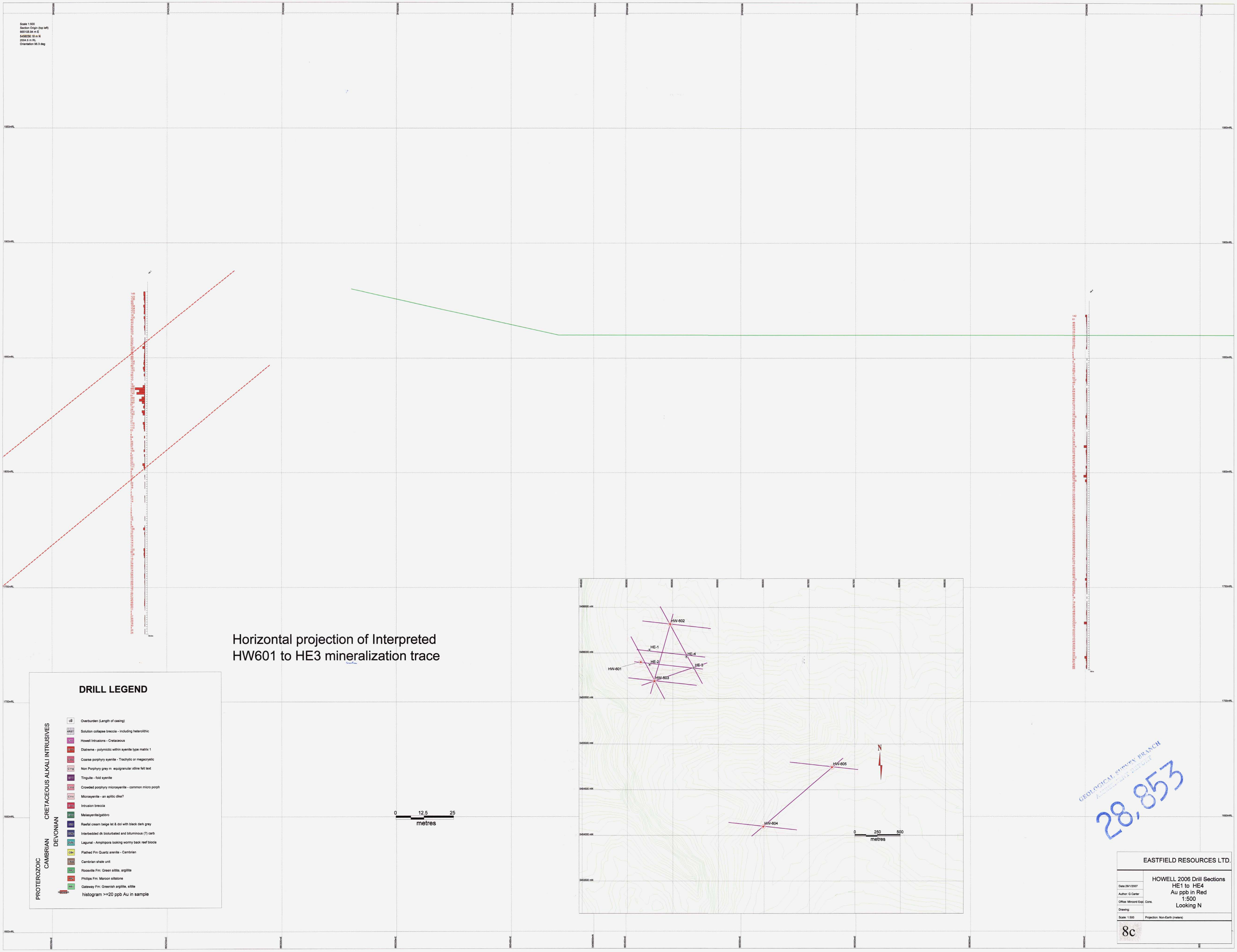
PROTEROZOIC
CAMBRIAN
CRETACEOUS ALKALI INTRUSIVES
DEVONIAN

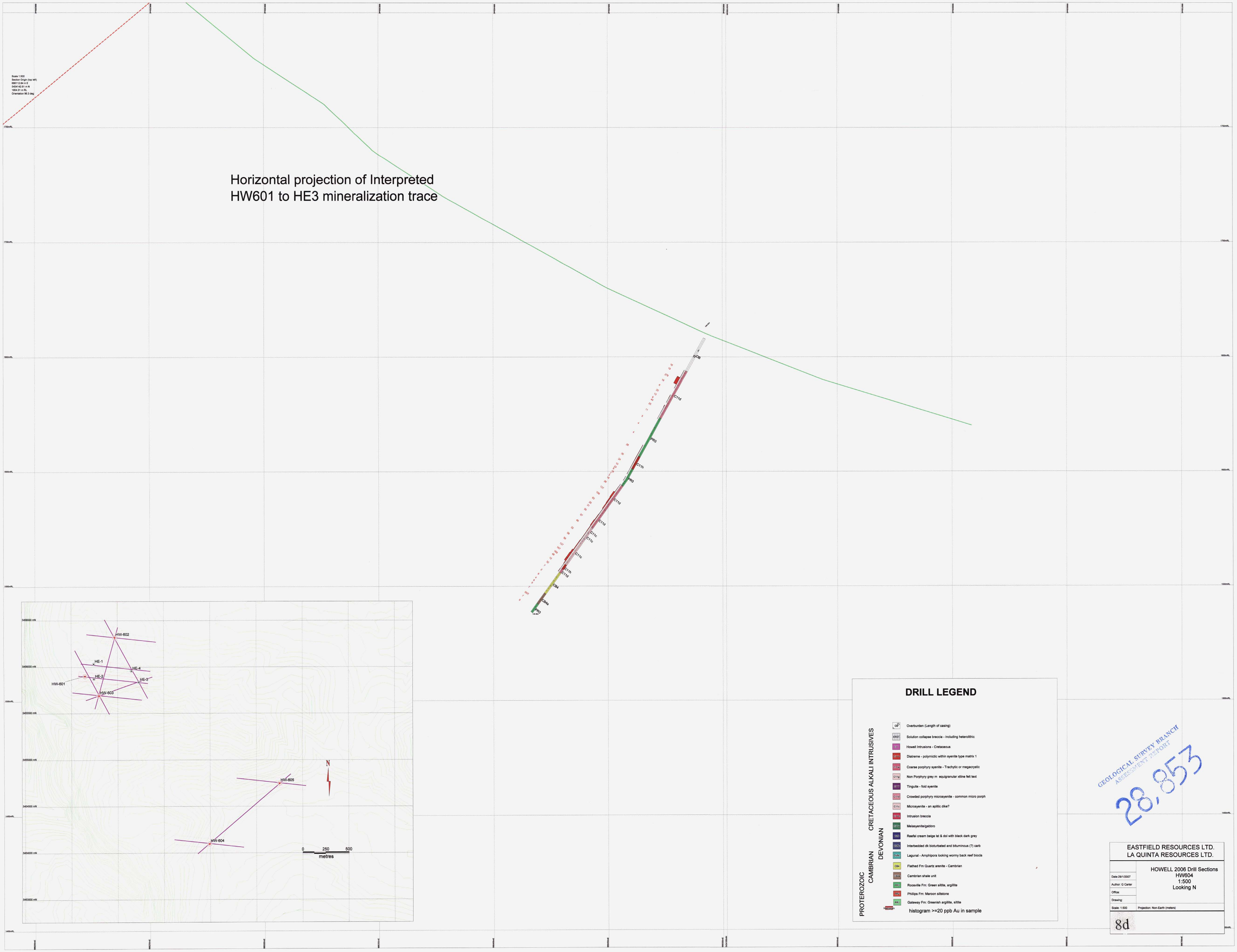
OB	Overburden (Length of casing)
KRST	Solution collapse breccia - including heterolithic
C11	Howell Intrusions - Cretaceous
C11h	Diatreme - polymictic within syenite type matrix 1
C11e	Coarse porphyry syenite - Trachytic or megacrystic
C11g	Non Porphyry grey m equigranular xtline felt text
C11f	Tinguite - foid syenite
C11d	Crowded porphyry microsyenite - common micro porph
C11c	Microsyenite - an aplitic dike?
C11b	Intrusion breccia
C11a	Melasyenite/gabbro
DV8	Reefal cream beige lst & dol with black dark grey
DV8b	Interbedded dk bioturbated and bituminous (?) carb
DV8c	Lagunal - Amphipora looking wormy back reef biocla
CB4	Flathed Fm Quartz arenite - Cambrian
CB4a	Cambrian shale unit
PR3	Roosville Fm: Green siltite, argillite
PR2	Phillips Fm: Maroon siltstone
PR1	Gateway Fm: Greenish argillite, siltite
Histogram	histogram >=20 ppb Au in sample

Horizontal projection of Interpreted
HW601 to HE3 mineralization trace

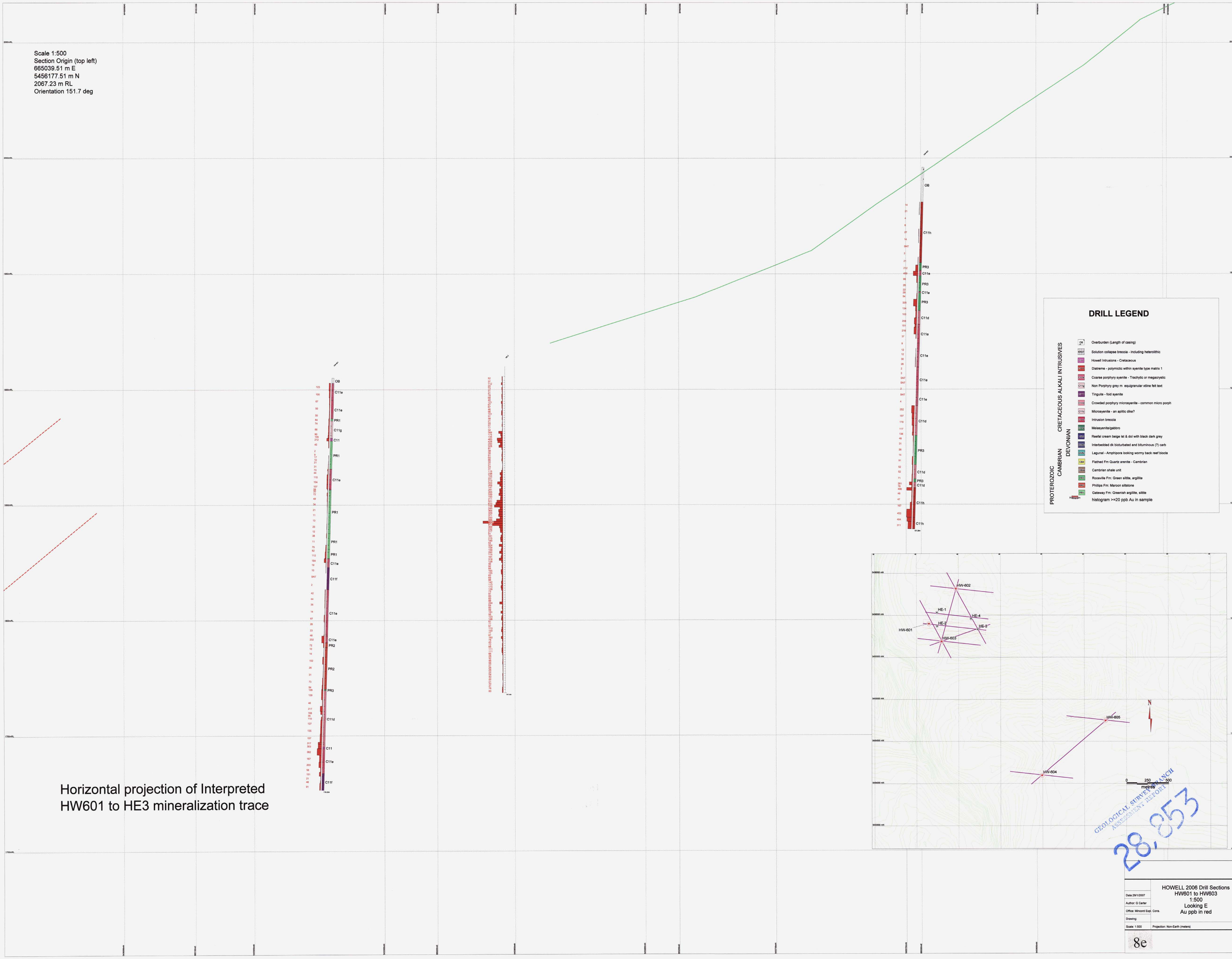
Date:29/1/2007	HOWELL 2006 Drill Sections HW603 to HE3 1:500 Looking N
Author: G Carter	
Office:	
Drawing:	
Scale: 1:500	Projection: Non-Earth (meters)

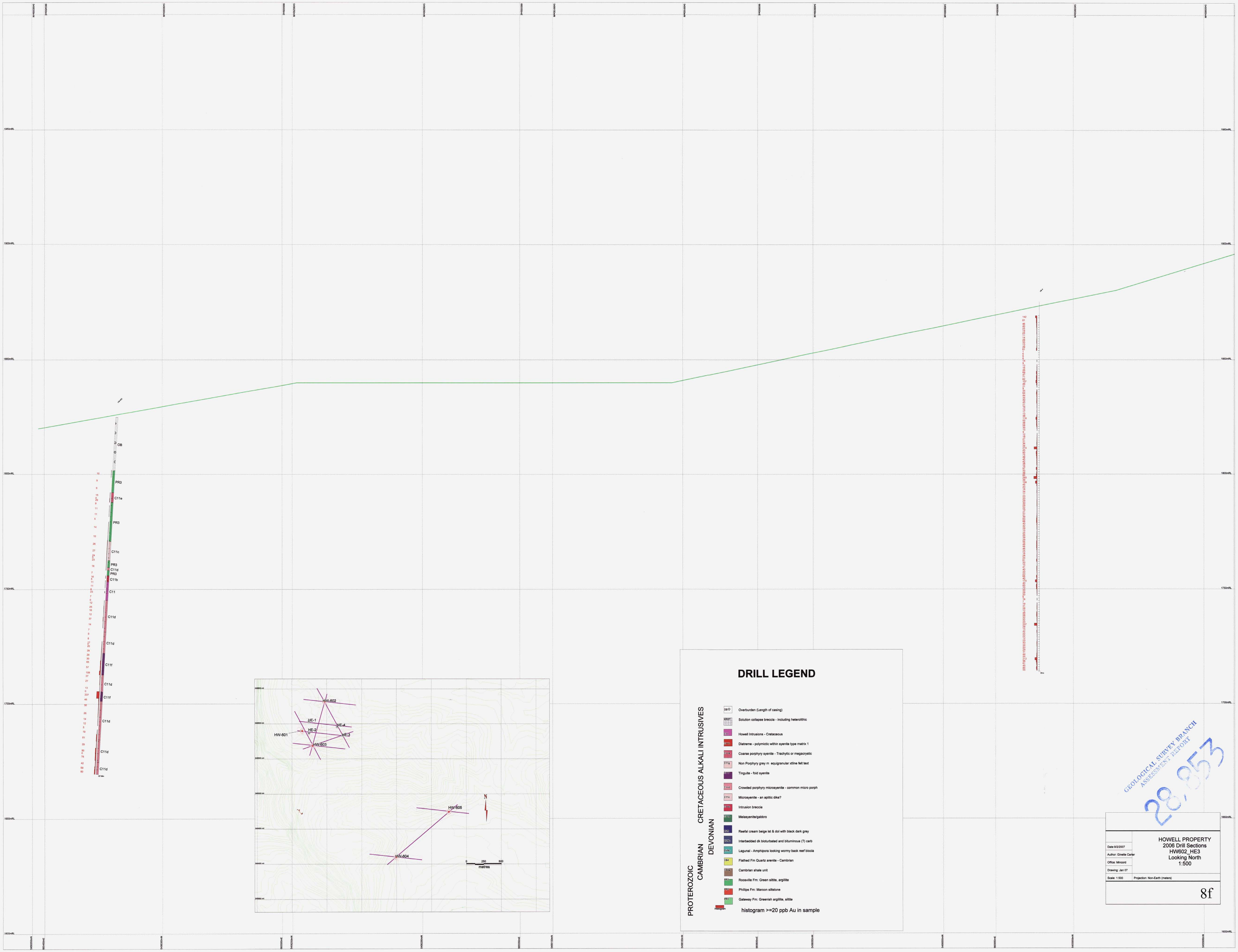
8b


Scale 1:500
Section Origin (top left)
665105.94 m E
5456036.18 m N
2004.5 m RL
Orientation 96.3 deg
Horizontal projection of Interpreted
HW601 to HE3 mineralization trace
0 12.5 25
metres
HW-602
HE-1
HE-4
HE-2
HE-3
HW-601
HW-603
HW-605
HW-604
N
0 250 500
metres
DRILL LEGEND
CRETACEOUS ALKALI INTRUSIVES
DEVONIAN
CAMBRIAN
PROTEROZOIC
OB Overburden (Length of casing)
KRST Solution collapse breccia - including heterolithic
C11 Howell Intrusions - Cretaceous
C11h Diatreme - polymictic within syenite type matrix 1
C11e Coarse porphyry syenite - Trachytic or megacrystic
C11g Non Porphyry grey m equigranular xtline felt text
C11f Tinguite - foid syenite
C11d Crowded porphyry microsyenite - common micro porph
C11c Microsyenite - an aplitic dike?
C11b Intrusion breccia
C11a Melasyenite/gabbro
DV8 Reefal cream beige lst & dol with black dark grey
DV8b Interbedded dk bioturbated and bituminous (?) carb
DV8c Lagunal - Amphipora looking wormy back reef biocla
CB4 Flathed Fm Quartz arenite - Cambrian
CB4a Cambrian shale unit
PR3 Roosville Fm: Green siltite, argillite
PR2 Phillips Fm: Maroon siltstone
PR1 Gateway Fm: Greenish argillite, siltite
Histogram
histogram >=20 ppb Au in sample
1700mRL
1650mRL
1600mRL
665200mE
665250mE
665650mE
GEOLOGICAL SURVEY BRANCH
28,853
EASTFIELD RESOURCES LTD.
HOWELL 2006 Drill Sections
HE1 to HE4
Au ppb in Red
1:500
Looking N
Date:29/1/2007
Author: G Carter
Office: Mincord Expl. Cons.
Drawing:
Scale: 1:500
Projection: Non-Earth (meters)
8c

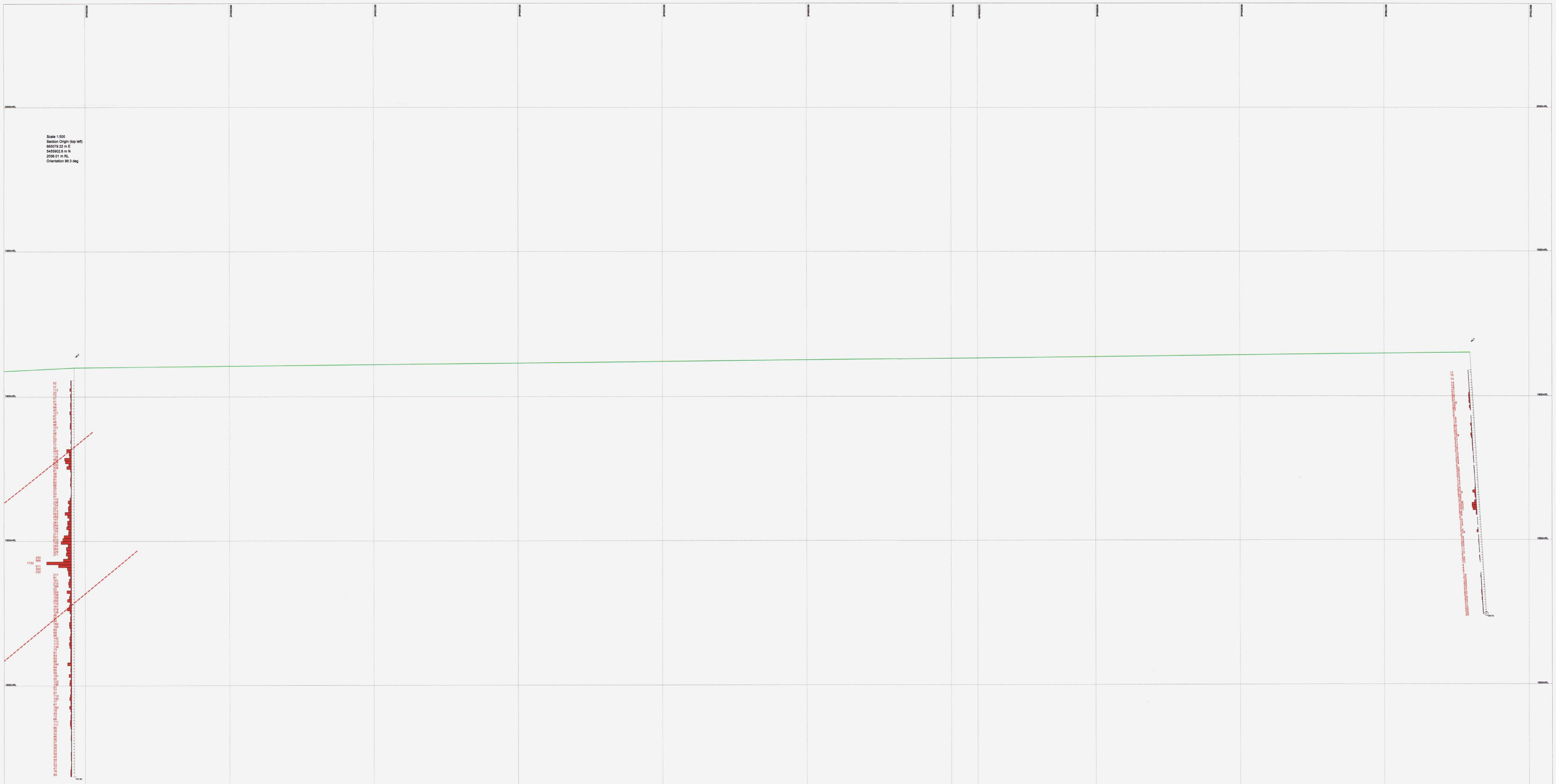


Scale 1:500
Section Origin (top left)
666112.84 m E
5454142.61 m N
1804.31 m RL
Orientation 96.3 deg
1750mRL
Horizontal projection of Interpreted
HW601 to HE3 mineralization trace
HW-602
HE-1
HE-4
HE-2
HE-3
HW-601
HW-603
HW-605
HW-604
N
0 250 500
metres
DRILL LEGEND
PROTEROZOIC
CAMBRIAN
DEVONIAN
CRETACEOUS ALKALI INTRUSIVES
OB Overburden (Length of casing)
KRST Solution collapse breccia - including heterolithic
C11 Howell Intrusions - Cretaceous
C11h Diatreme - polymictic within syenite type matrix 1
C11e Coarse porphyry syenite - Trachytic or megacrystic
C11g Non Porphyry grey m equigranular xtline felt text
C11f Tinguite - foid syenite
C11d Crowded porphyry microsyenite - common micro porph
C11c Microsyenite - an aplitic dike?
C11b Intrusion breccia
C11a Melasyenite/gabbro
DV8 Reefal cream beige lst & dol with black dark grey
DV8b Interbedded dk bioturbated and bituminous (?) carb
DV8c Lagunal - Amphipora looking wormy back reef biocla
CB4 Flathed Fm Quartz arenite - Cambrian
CB4a Cambrian shale unit
PR3 Roosville Fm: Green siltite, argillite
PR2 Phillips Fm: Maroon siltstone
PR1 Gateway Fm: Greenish argillite, siltite
Histogram histogram >=20 ppb Au in sample
1450mRL
EASTFIELD RESOURCES LTD.
LA QUINTA RESOURCES LTD.
HOWELL 2006 Drill Sections
HW604
1:500
Looking N
Date:29/1/2007
Author: G Carter
Office:
Drawing:
Scale: 1:500
Projection: Non-Earth (meters)
8d

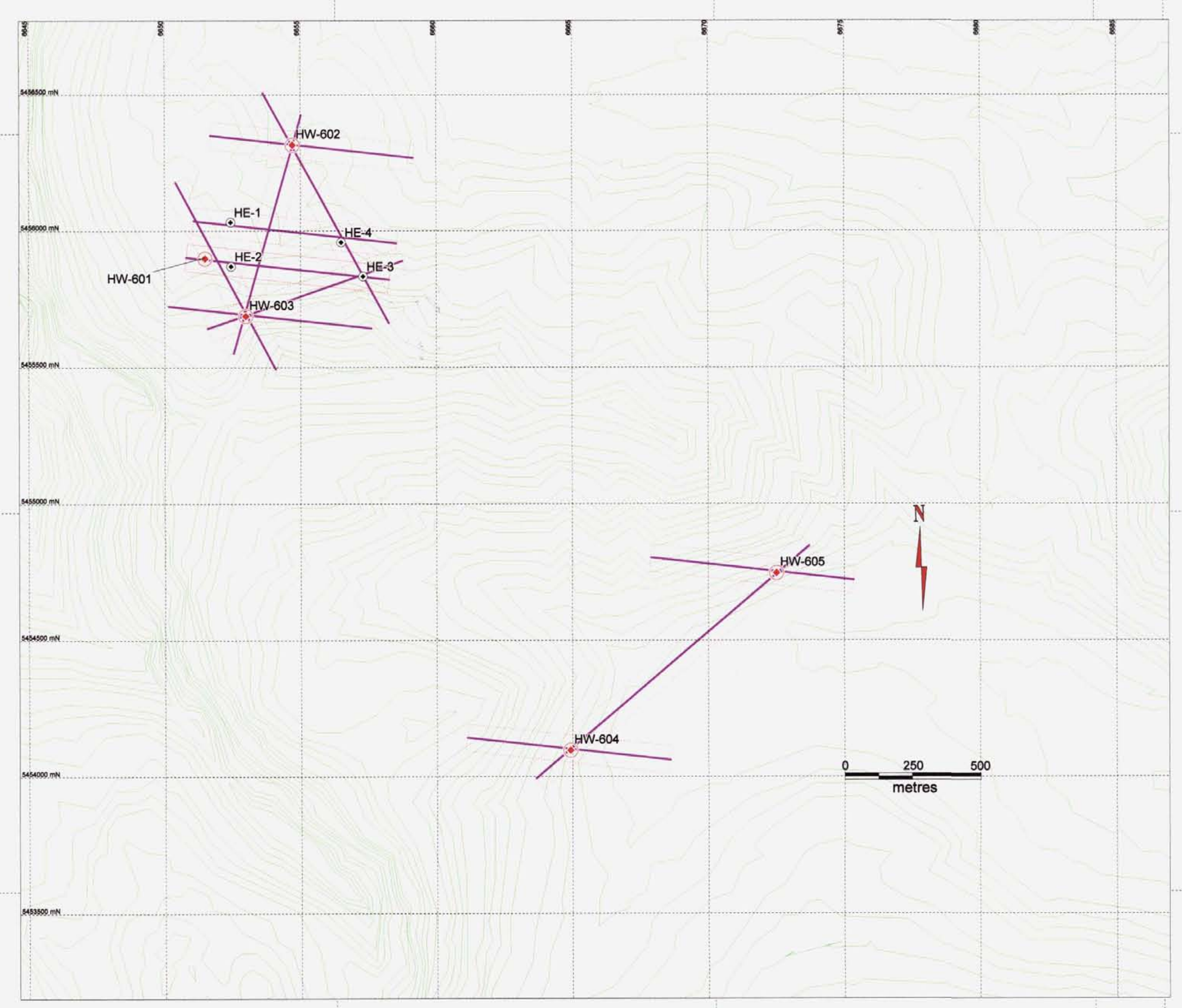

Scale 1:500
Section Origin (top left)
665039.51 m E
5456177.51 m N
2067.23 m RL
Orientation 151.7 deg
Horizontal projection of Interpreted
HW601 to HE3 mineralization trace
DRILL LEGEND
PROTEROZOIC
CAMBRIAN
DEVONIAN
CRETACEOUS ALKALI INTRUSIVES
OB Overburden (Length of casing)
KRST Solution collapse breccia - including heterolithic
C11 Howell Intrusions - Cretaceous
C11h Diatreme - polymictic within syenite type matrix 1
C11e Coarse porphyry syenite - Trachytic or megacrystic
C11g Non Porphyry grey m equigranular xtline felt text
C11f Tinguite - foid syenite
C11d Crowded porphyry microsyenite - common micro porph
C11c Microsyenite - an aplitic dike?
C11b Intrusion breccia
C11a Melasyenite/gabbro
DV8 Reefal cream beige lst & dol with black dark grey
DV8b Interbedded dk bioturbated and bituminous (?) carb
DV8c Lagunal - Amphipora looking wormy back reef biocla
CB4 Flathed Fm Quartz arenite - Cambrian
CB4a Cambrian shale unit
PR3 Roosville Fm: Green siltite, argillite
PR2 Phillips Fm: Maroon siltstone
PR1 Gateway Fm: Greenish argillite, siltite
Histogram histogram >=20 ppb Au in sample
HW-602
HE-1
HE-4
HE-2
HE-3
HW-601
HW-603
HW-605
HW-604
N
0 250 500
metres
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
28,853
HOWELL 2006 Drill Sections
HW601 to HW603
1:500
Looking E
Au ppb in red
Date:29/1/2007
Author: G Carter
Office: Mincord Expl. Cons.
Drawing:
Scale: 1:500
Projection: Non-Earth (meters)
8e


OB
PR3
C11e
PR3
C11c
PR3
C11d
PR3
C11b
C11
C11d
C11d
C11f
C11d
C11f
C11d
C11d
C11d
HW-602
HE-1
HE-4
HE-2
HE-3
HW-601
HW-603
HW-605
HW-604
N
metres
1850mRL
1800mRL
1750mRL
1700mRL
1650mRL
1600mRL
DRILL LEGEND
CRETACEOUS ALKALI INTRUSIVES
DEVONIAN
CAMBRIAN
PROTEROZOIC
OB Overburden (Length of casing)
KRST Solution collapse breccia - including heterolithic
C11 Howell Intrusions - Cretaceous
C11h Diatreme - polymictic within syenite type matrix 1
C11e Coarse porphyry syenite - Trachytic or megacrystic
C11g Non Porphyry grey m equigranular xtline felt text
C11f Tinguite - foid syenite
C11d Crowded porphyry microsyenite - common micro porph
C11c Microsyenite - an aplitic dike?
C11b Intrusion breccia
C11a Melasyenite/gabbro
DV8 Reefal cream beige lst & dol with black dark grey
DV8b Interbedded dk bioturbated and bituminous (?) carb
DV8c Lagunal - Amphipora looking wormy back reef biocla
CB4 Flathed Fm Quartz arenite - Cambrian
CB4a Cambrian shale unit
PR3 Roosville Fm: Green siltite, argillite
PR2 Phillips Fm: Maroon siltstone
PR1 Gateway Fm: Greenish argillite, siltite
Histogram
histogram >=20 ppb Au in sample
5456100mN
665600mE
5456050mN
Date:9/2/2007
Author: Ginette Carter
Office: Mincord
Drawing: Jan 07
Scale: 1:500
Projection: Non-Earth (meters)
HOWELL PROPERTY
2006 Drill Sections
HW602_HE3
Looking North
1:500
8f
5455900mN

Scale 1:500
Section Origin (top left)
665079.22 m E
5455902.6 m N
2036.01 m RL
Orientation 96.3 deg



Horizontal projection of Interpreted
HW601 to HE3 mineralization trace



DRILL LEGEND

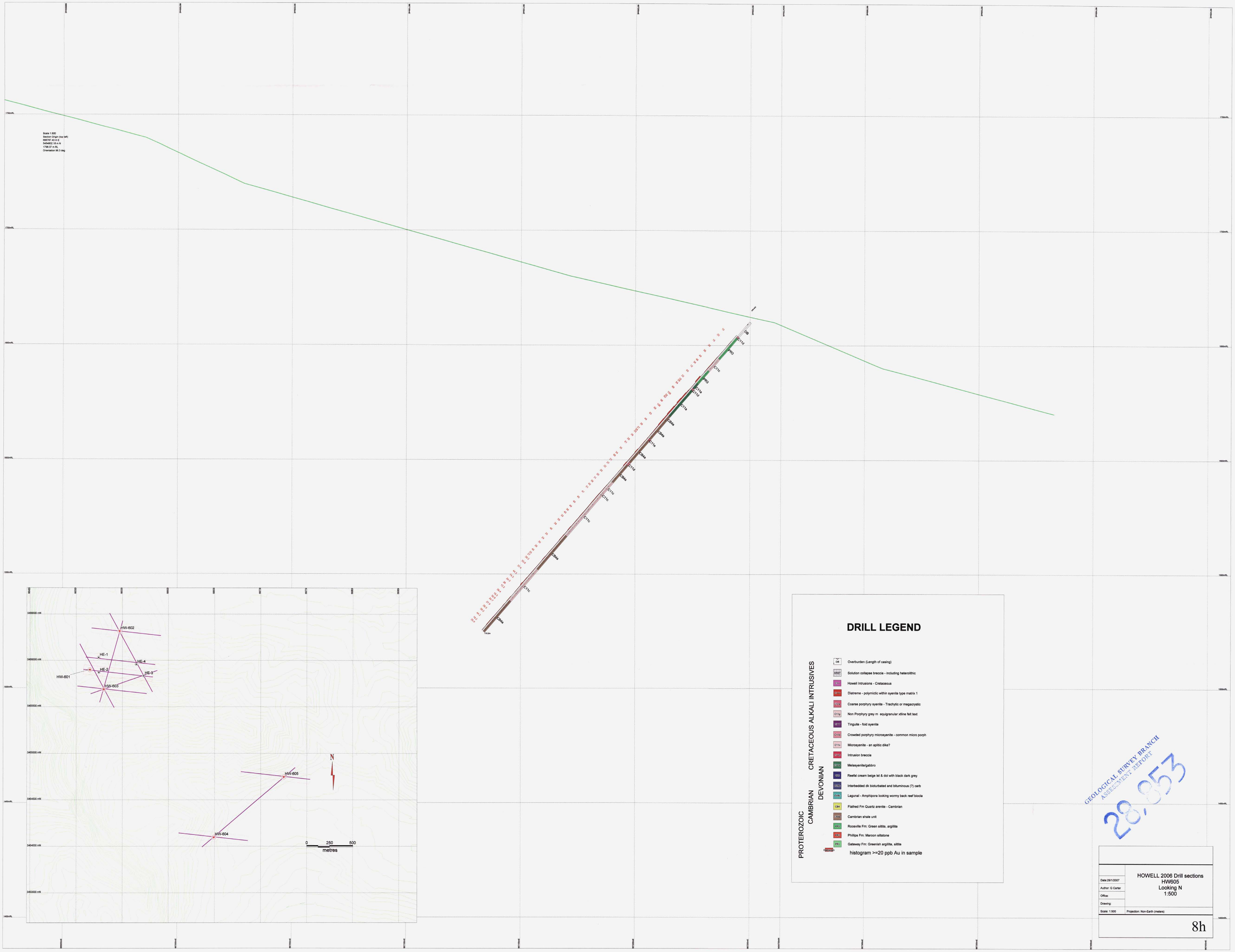
CRETACEOUS ALKALI INTRUSIVES	OB	Overburden (Length of casing)
	KRST	Solution collapse breccia - including heterolithic
	C11	Howell Intrusions - Cretaceous
	C11h	Diatreme - polymictic within syenite type matrix 1
	C11e	Coarse porphyry syenite - Trachytic or megacrystic
	C11g	Non Porphyry grey m equigranular xtline felt text
	C11f	Tinguite - foid syenite
	C11d	Crowded porphyry microsyenite - common micro porph
	C11c	Microsyenite - an aplitic dike?
	C11b	Intrusion breccia
	C11a	Melasyenite/gabbro
DEVONIAN	DV8	Reefal cream beige lst & dol with black dark grey
	DV8b	Interbedded dk bioturbated and bituminous (?) carb
	DV8c	Lagunal - Amphipora looking wormy back reef biocla
CAMBRIAN	CB4	Flathed Fm Quartz arenite - Cambrian
	CB4a	Cambrian shale unit
PROTEROZOIC	PR3	Roosville Fm: Green siltite, argillite
	PR2	Phillips Fm: Maroon siltstone
	PR1	Gateway Fm: Greenish argillite, siltite
	Histogram	histogram >=20 ppb Au in sample

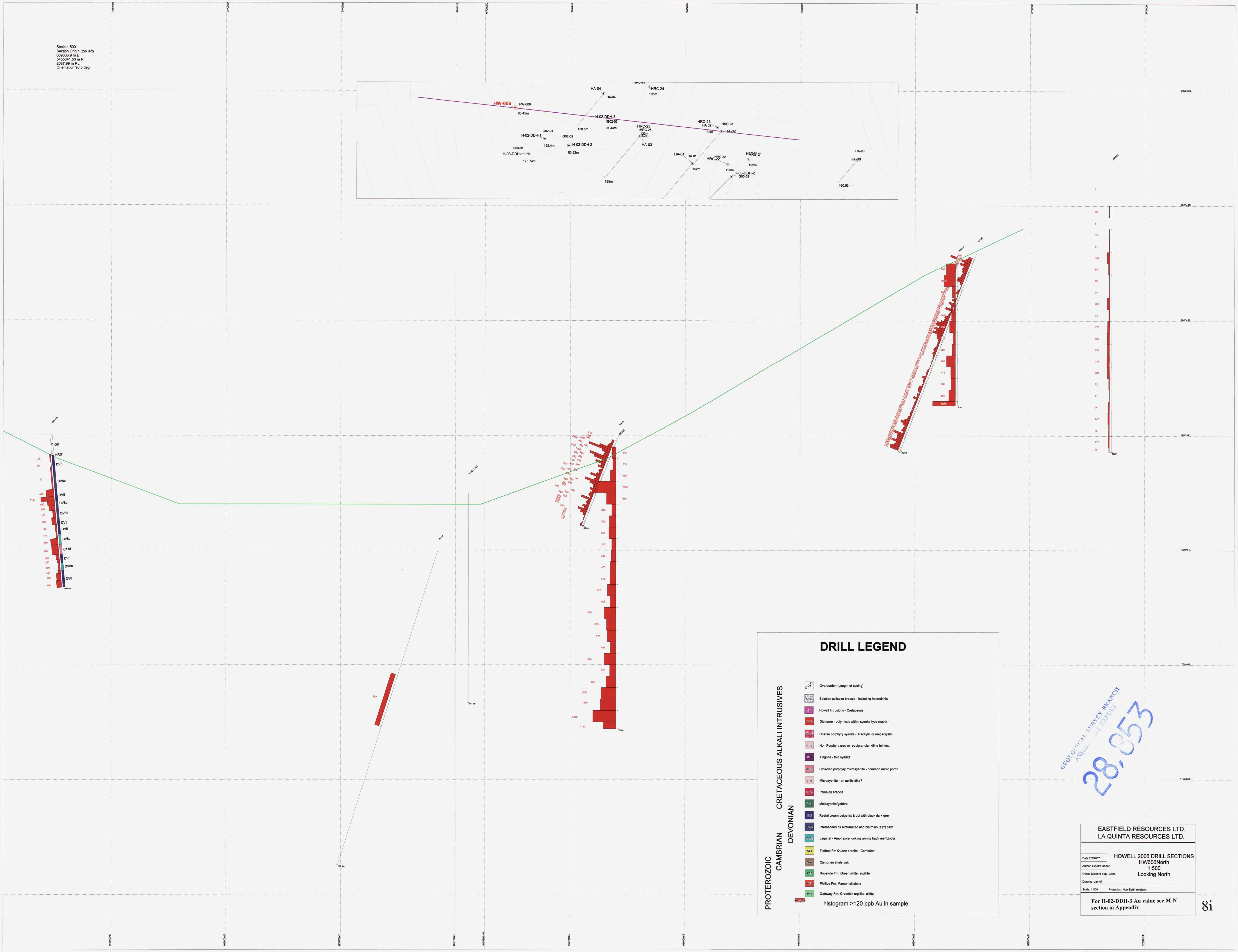
EASTFIELD RESOURCES LTD.
LA QUINTA RESOURCES LTD.

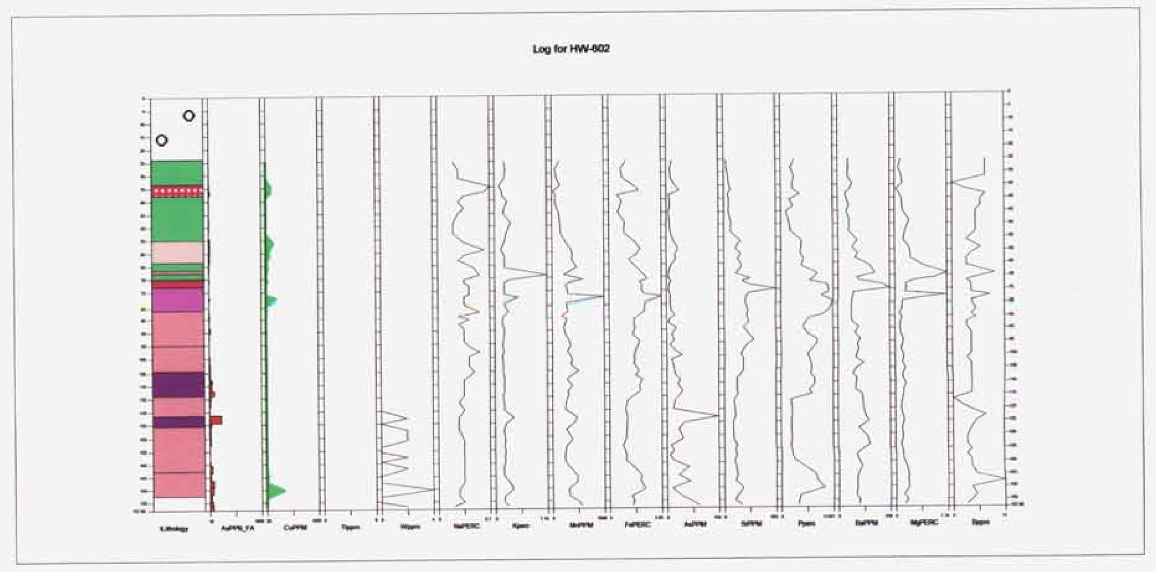
HOWELL 2006 Drill Sections
HE2 to HE3
looking N
1:500

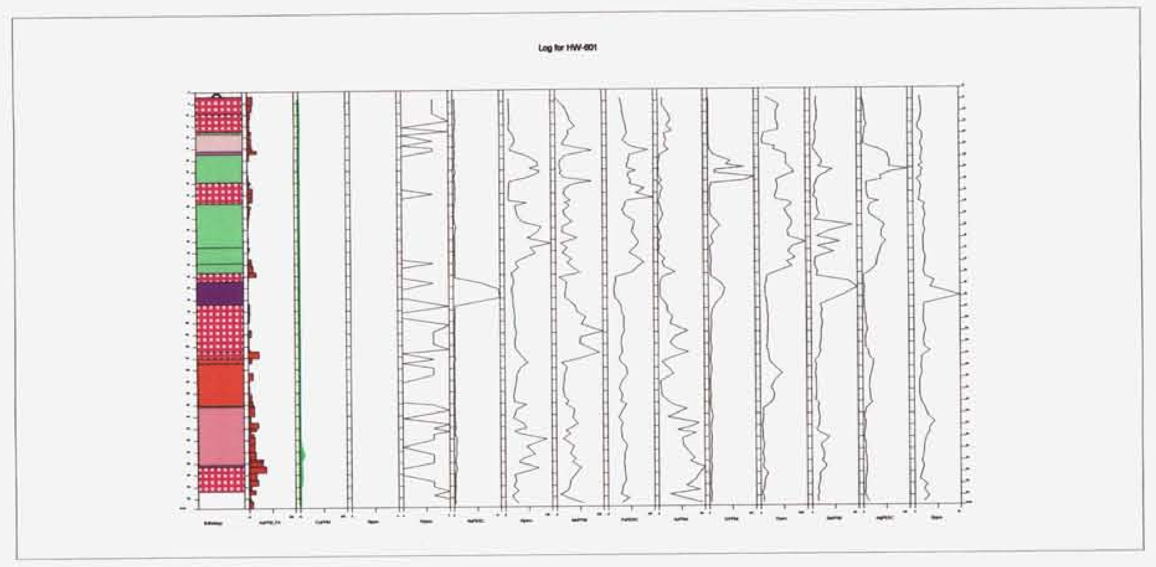
Date:29/1/2007
Author: G Carter
Office: Mincord Expl. Cons.
Drawing:
Scale: 1:500
Projection: Non-Earth (meters)

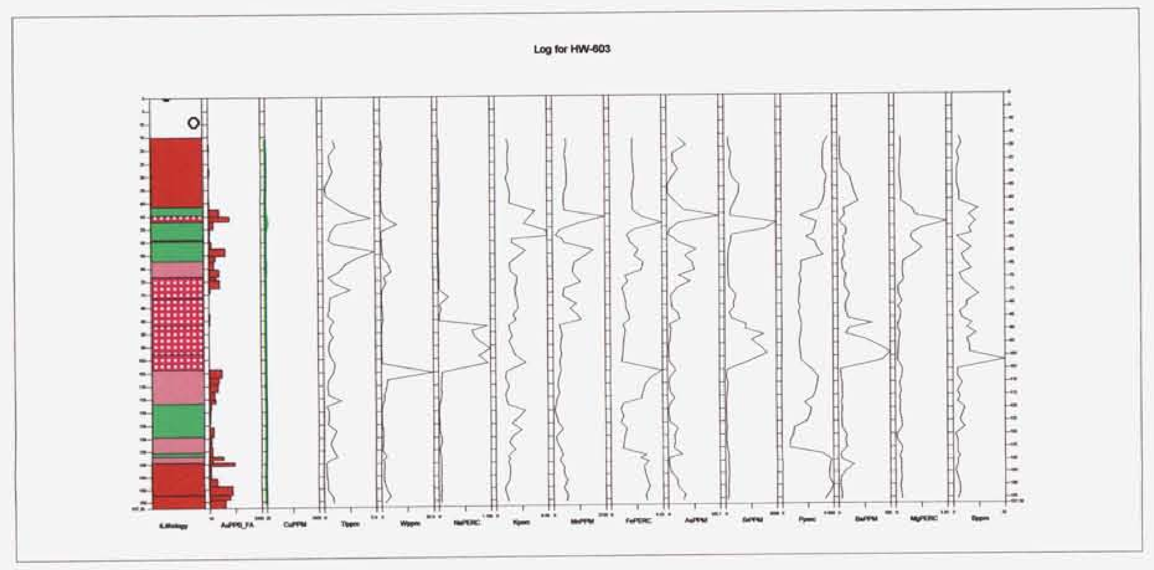
8g

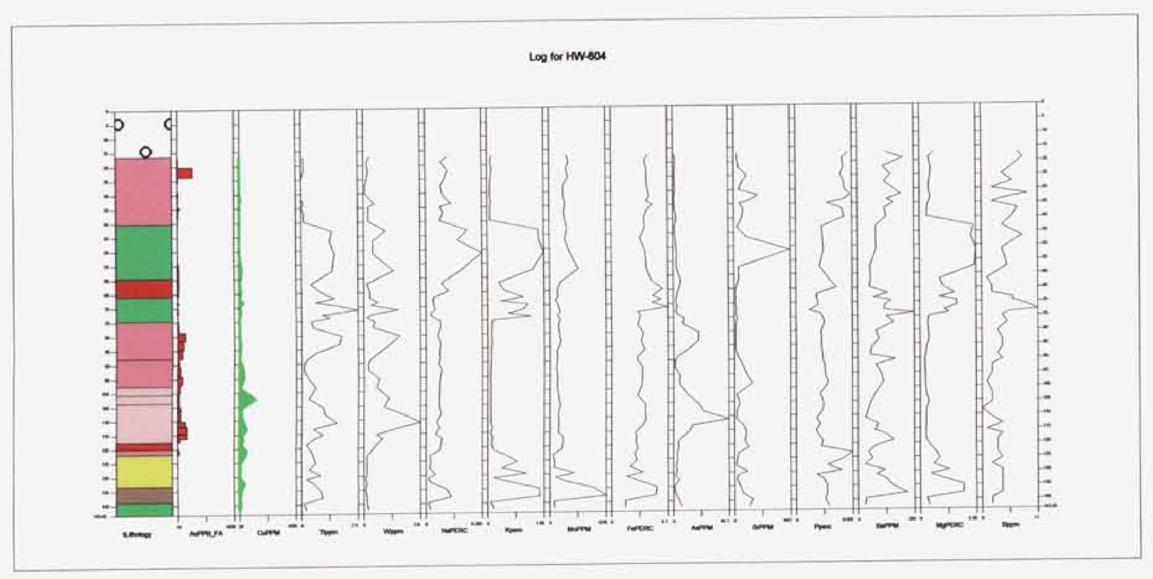

Scale 1:500
HW-602
HE-1
HE-4
HE-2
HE-3
HW-601
HW-603
HW-605
HW-604
N
0 250 500
metres
DRILL LEGEND
CRETACEOUS ALKALI INTRUSIVES
DEVONIAN
CAMBRIAN
PROTEROZOIC
OB Overburden (Length of casing)
KRST Solution collapse breccia - including heterolithic
C11 Howell Intrusions - Cretaceous
C11h Diatreme - polymictic within syenite type matrix 1
C11e Coarse porphyry syenite - Trachytic or megacrystic
C11g Non Porphyry grey m equigranular xtline felt text
C11f Tinguite - foid syenite
C11d Crowded porphyry microsyenite - common micro porph
C11c Microsyenite - an aplitic dike?
C11b Intrusion breccia
C11a Melasyenite/gabbro
DV8 Reefal cream beige lst & dol with black dark grey
DV8b Interbedded dk bioturbated and bituminous (?) carb
DV8c Lagunal - Amphipora looking wormy back reef biocla
CB4 Flathed Fm Quartz arenite - Cambrian
CB4a Cambrian shale unit
PR3 Roosville Fm: Green siltite, argillite
PR2 Phillips Fm: Maroon siltstone
PR1 Gateway Fm: Greenish argillite, siltite
Histogram
histogram >=20 ppb Au in sample
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
28,853
1450mRL
1400mRL
Date:29/1/2007
Author: G Carter
Office:
Drawing:
Scale: 1:500
HOWELL 2006 Drill sections
HW605
Looking N
1:500
Projection: Non-Earth (meters)
8h
667400mE
667450mE

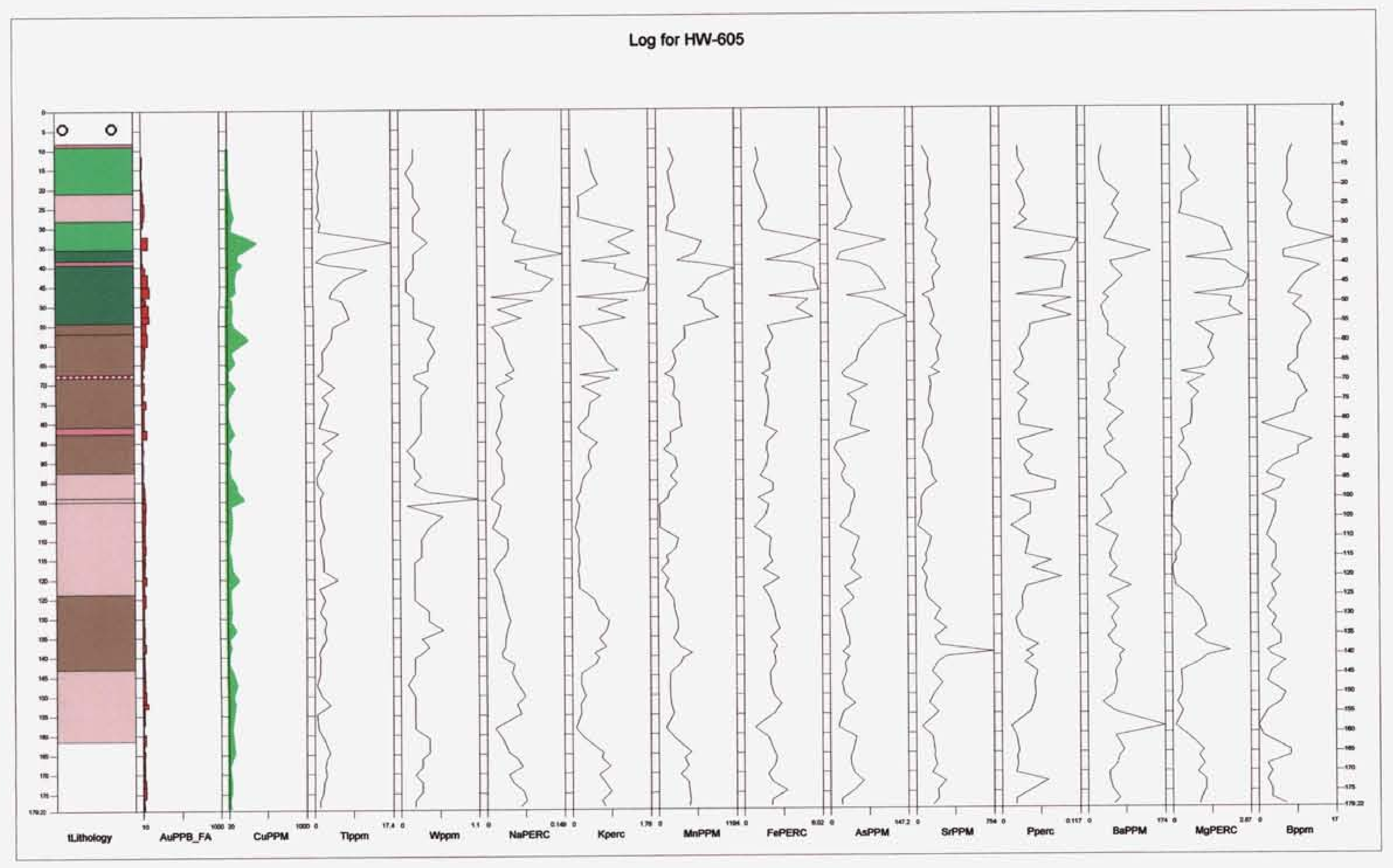

Scale 1:500
Section Origin (top left)
669333.9 m E
5455341.53 m N
2037.99 m RL
Orientation 96.3 deg
HW-606
HW-606
66.45m
HA-04
HA-04
HRC-24
105m
H-02-DDH-3
G02-03
158.5m
91.44m
HRC-25
HRC-23
HA 02
HRC 23
HA-02
G02-01
H-02-DDH-1
G02-02
152.4m
H-02-DDH-2
83.82m
HA-03
G03-01
H-03-DDH-1
173.74m
185m
HA-01
HA 01
HRC 22
HRC-21
152m
123m
122m
H-03-DDH-2
G03-02
HA-08
HA-08
160.63m
OB
KRST
DV8
DV8b
C11d
DV8c
DRILL LEGEND
CRETACEOUS ALKALI INTRUSIVES
DEVONIAN
CAMBRIAN
PROTEROZOIC
OB Overburden (Length of casing)
KRST Solution collapse breccia - including heterolithic
C11 Howell Intrusions - Cretaceous
C11h Diatreme - polymictic within syenite type matrix 1
C11e Coarse porphyry syenite - Trachytic or megacrystic
C11g Non Porphyry grey m equigranular xtline felt text
C11f Tinguite - foid syenite
C11d Crowded porphyry microsyenite - common micro porph
C11c Microsyenite - an aplitic dike?
C11b Intrusion breccia
C11a Melasyenite/gabbro
DV8 Reefal cream beige lst & dol with black dark grey
DV8b Interbedded dk bioturbated and bituminous (?) carb
DV8c Lagunal - Amphipora looking wormy back reef biocla
CB4 Flathed Fm Quartz arenite - Cambrian
CB4a Cambrian shale unit
PR3 Roosville Fm: Green siltite, argillite
PR2 Phillips Fm: Maroon siltstone
PR1 Gateway Fm: Greenish argillite, siltite
Histogram histogram >=20 ppb Au in sample
1700mRL
670000mE
EASTFIELD RESOURCES LTD.
LA QUINTA RESOURCES LTD.
Date:2/2/2007
Author: Ginette Carter
Office: Mincord Expl. Cons.
Drawing: Jan 07
Scale: 1:500
HOWELL 2006 DRILL SECTIONS
HW606North
1:500
Looking North
Projection: Non-Earth (meters)
For H-02-DDH-3 Au value see M-N section in Appendix
8i

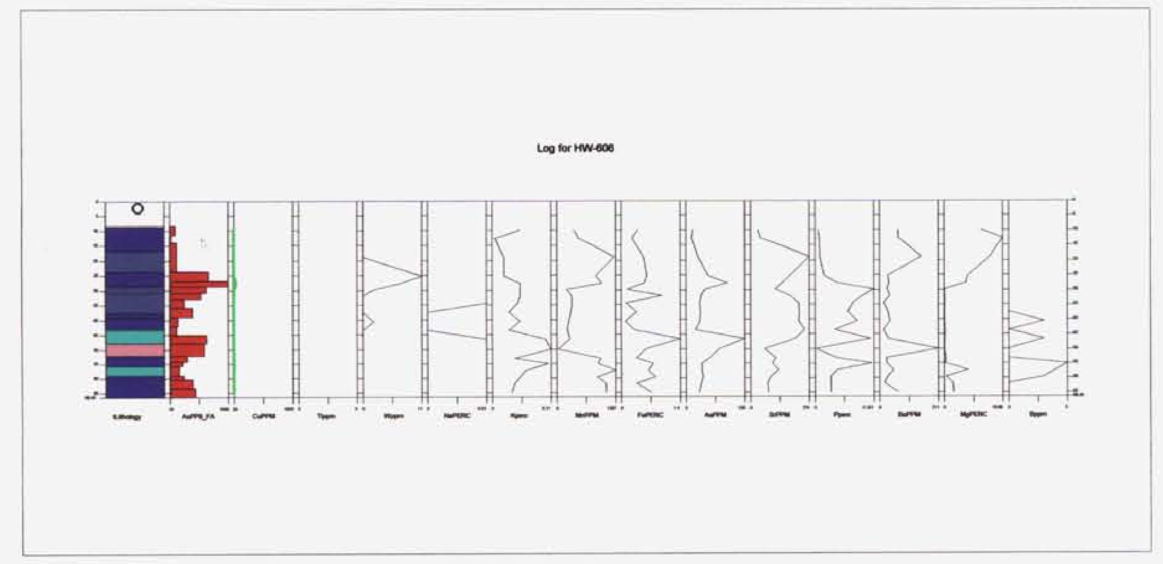




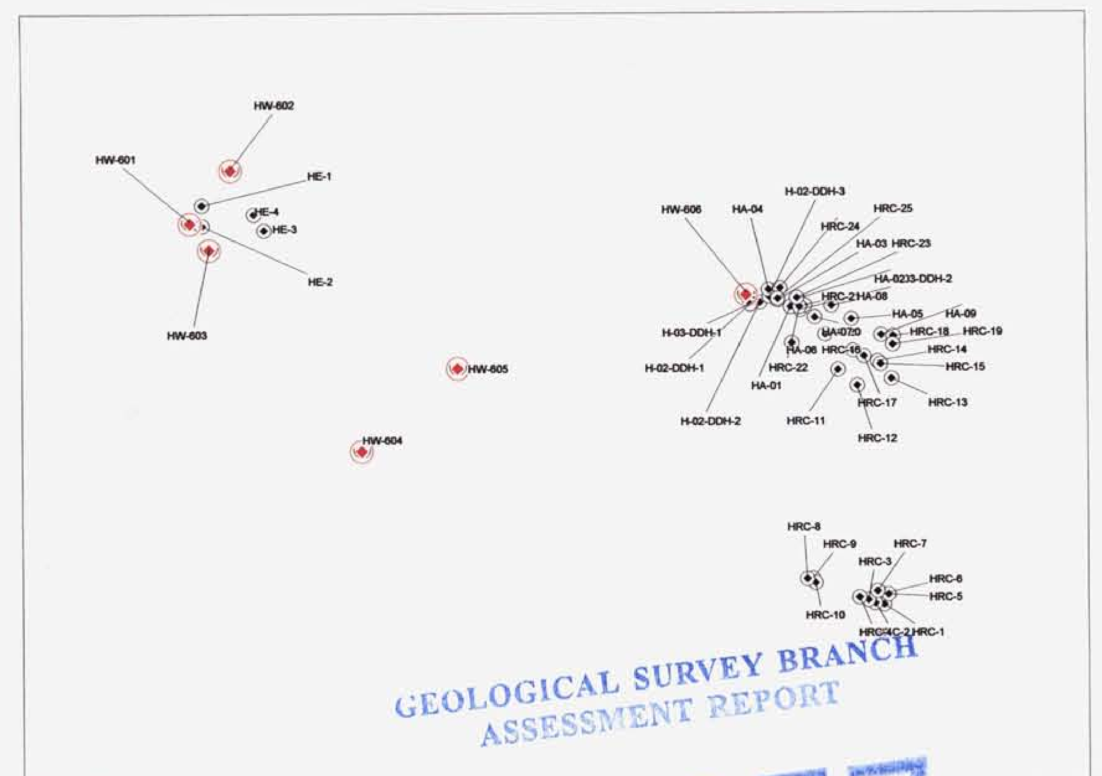








tHoleID	nFROM	nTO	nLENGTH	tSampleTYPE	SampleID	AuPPB_FA	CuPPM	AgPPM	tAcmeFile
HW-606	23.74	26.82	3.08	Core	173,605	670	23	5.6	A608880
HW-606	26.82	28.67	1.85	Core	173,606	1,180	61	12.7	A608880
HW-606	28.67	30.8	2.13	Core	173,607	630	25	12.8	A608880
HW-606	30.8	32.92	2.12	Core	173,608	540	12	3.9	A608880
HW-606	32.92	35.97	3.05	Core	173,609	250	16	1.5	A608880
HW-606	35.97	39.01	3.04	Core	173,610	390	15	2.5	A608880
HW-606	39.01	42.06	3.05	Core	173,612	140	8	0.3	A608880
HW-606	42.06	45.11	3.05	Core	173,613	120	6	-0.3	A608880
HW-606	45.11	47.8	2.69	Core	173,614	640	18	4	A608880
HW-606	47.8	52.08	4.28	Core	173,615	600	5	2.8	A608880
HW-606	52.08	54.25	2.17	Core	173,616	300	8	1.6	A608880
HW-606	54.25	55.75	1.5	Core	173,617	220	24	2.1	A608880
HW-606	55.75	59.05	3.3	Core	173,618	160	7	1.3	A608880
HW-606	59.05	60.35	1.3	Core	173,619	240	18	4.5	A608880
HW-606	60.35	63.4	3.05	Core	173,620	390	15	4.6	A608880
HW-606	63.4	66.45	3.05	Core	173,621	440	13	2.5	A608880



10 Howell 2006 Drilling Geochemistry