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GOLDCORP

MUSSELWHITE MINE

2015 SURFACE DRILLING

WEST LIMB PROJECT

September, 2015

N.A. Guest

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SUMMARY

In the summer of 2015, a small diamond drill program was completed to explore the up-plunge extension of known mineralization associated with the West limb of the northern iron formation. Drilling was conducted near the southern shore of Opapimiskan Lake, adjacent to the northern most vent raise on the Musselwhite Mine property, which is owned and operated by Goldcorp Canada Ltd. The work completed is covered by a single mining lease. Drilling revealed similar geology and gold mineralization to what had been previously discovered down plunge of the target area.

INTRODUCTION

This report is written on behalf of Goldcorp Canada Ltd. by the staff of Musselwhite Mine. The report discusses work conducted within the boundaries of mining lease PA369772.

The program was designed and implemented by the exploration department at Musselwhite Mine. Drilling was performed by Boart Longyear. The core from this program is stored in the core racks adjacent to the exploration camp on the Musselwhite Mine property.

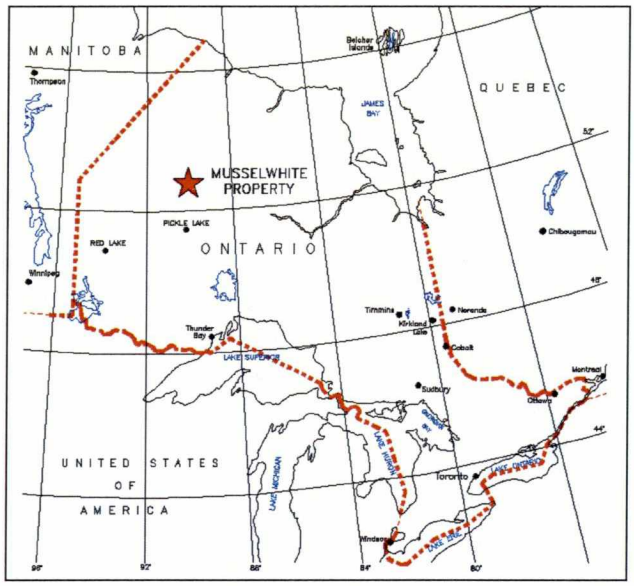
LOCATION AND ACCESS

All work in this report was conducted within the boundaries of the Musselwhite Mine property. Musselwhite Mine is a gold producing mine that is 100% owned and operated by Goldcorp Canada Ltd. The mine is located approximately 480 km north-north-west of Thunder Bay and 103 km north of Pickle Lake with geographic coordinates of 52° 36' 50" N latitude and 90° 21' 43" W longitude (**Figure 1**), on the south of Opapimiskan Lake and the deposit plunges beneath the lake.

Drilling preformed during this program took place within the boundaries of the above stated mining lease, located in the Zeemal Lake Area within the Patricia Mining Division, District of Kenora, Northwestern Ontario. The mining lease is located on NTS map sheet 53 B/9 (Opapimiskan Lake) and is approximately 2.1 km from the mine portal.

The West Limb drill program was land based and mine roads were used for access.

Figure 1: General Location Map



LAND TENURE & OWNERSHIP

Mining lease PA369772 is ~16 ha (1 claim unit) in size and is owned by Goldcorp Canada Ltd. The tenure rights for this lease are mining and surface rights.

PROPERTY GEOLOGY

The above mentioned mining lease is located within the south-central portion of the North Caribou Greenstone Belt.

The geology identified by this drill program consisted of a sequence of metasedimentary rocks, basalt and biotite-garnet schist. There were also minor felsic to intermediate volcanic rocks, ultramafic rocks and silicate and oxide facies iron formations. Rocks have been metamorphosed to

amphibolite grade. A cross section of the drilling can be seen in **Appendix 1** and drill logs in **Appendix 4**.

The various lithology codes used during logging are briefly described below:

1	Ultramafic
2	Basalt
2H	Mafic tuff, lapilli tuff
2T	Biotite bearing metavolcanic
2U	Garnet bearing metavolcanic
3C	Intermediate tuff, lapilli tuff
3F	Felsic tuff/lapilli tuff
4E	Garnet-amphibole iron formation
4EA	Garnet-amphibole-grunerite iron formation
4EF	Garnet-amphbiole with less than 50% intercalated garnet-biotite schist
4F	Garnet-biotite schist
4FB	Garnet-biotite schist with abundant magnetite +/- chert
4FE	Garnet-biotite schist with less than 50% intercalated Garnet-amphibole
6	Metasediment
6W	Garnet-bearing mustone/siltstone/sandstone
6B	Matrix-supported conglomerate
8A	Diorite

PROGRAM DESCRIPTION

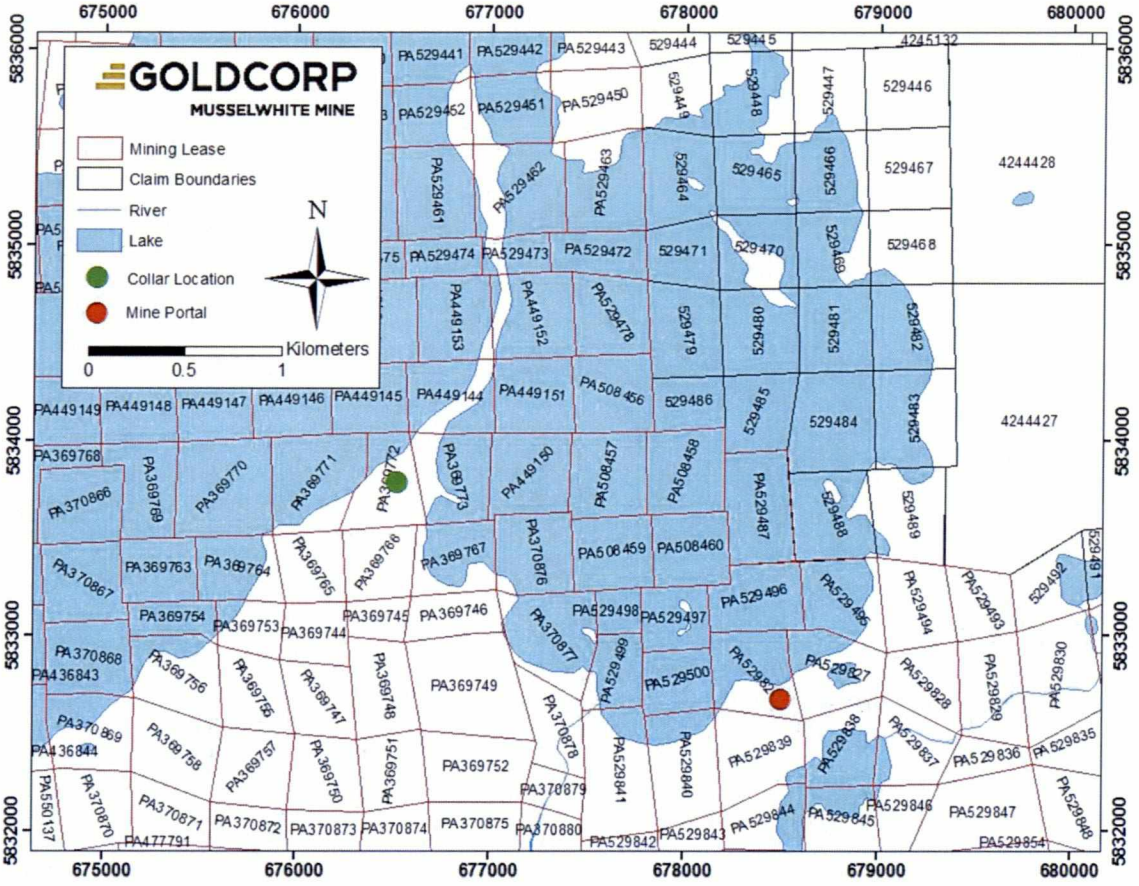
A single drill hole was planned to intercept the west limb of the highly folded "Northern Iron Formation" (NIF) in an attempt to prove the up-plunge extension of known mineralization. The NIF contains the vast majority of ore at Musselwhite Mine.

During drilling, the initial drill hole (15-WEL-049) began to deviate and was cancelled at a depth of ~22m. As a result, a second drill hole (15-WEL-050) was planned and drilled to a depth of 600m. Drill hole information is shown below in **Table 1** and drill locations are shown in **Figure 2**.

Table 1: West limb drill hole information.

Hole ID	UTM EASTING (NAD 83)	UTM NORTHING (NAD 83)	AZIMUTH	DIP	DEPTH
15-WEL-049	676522.5	5833779.0	226°	-60°	22.2m
15-WEL-050	676522.5	5833779.0	226°	-65°	600m

Figure 2: Map showing location of drill holes.



RESULTS/RECOMMENDATIONS

15-WEL-050 intersected geology similar to what has been seen in previous West Limb exploration. Assays results (**Appendix 2**) from the target area appear to represent the up-plunge extension of known West Limb mineralization. A summary of intervals containing significant gold mineralization is shown in **Table 2**.

Table 2: Significant intervals of Au mineralization.

From	To	Drilled Width	Au
387.5m	389.9m	2.4m	6.2g/t
403.9m	407.2m	3.3	4.7g/t
415.2m	421m	5.8	5.0g/t

These results provide adequate information to proceed with a larger scale exploration program to better delineate the southern, up-plunge extension of the West Limb.

STATEMENT OF EXPENDITURES

A total of $117,325.88 was spent during this program. **Table 3** provides basic details on the expenditures of the West Limb program. A complete breakdown of expenditures can be seen in **Appendix 3** and invoices in **Appendix 5.**

Table 3: Breakdown of expenditures.

Hole ID	Labour	Drilling	Other	Total
15-WEL-049	$826	$5,699.63	$16,080.50	$22,606.13
15-WEL-050	$16,216	$62,423.25	$16,080.50	$94,719.75
			Grand Total	**$117,325.88**

STATEMENT OF QUALIFICATIONS

I, Nicolas Guest, herby certify that:

1. I am the author of this report.
2. I have a Bachelor of Science with advanced major in Earth Science and Business Administration from St. Francis Xavier University in Antigonish, Nova Scotia.
3. I have a Master of Science in Mineral Exploration from Laurentian University in Sudbury, Ontario.
4. I am a member-in-training of the Association of Professional Geoscientists of Nova Scotia.
5. I am employed by Goldcorp Canada Ltd at Musselwhite Mine.
6. I agree with all the information contained within this report and believe that it is an accurate description of the worked performed.
7. Reside in the town of Antigonish, Nova Scotia, Canada.

Name: _____

Date: September 17th, 2015

Goldcorp Canada Ltd.

Musselwhite Mine

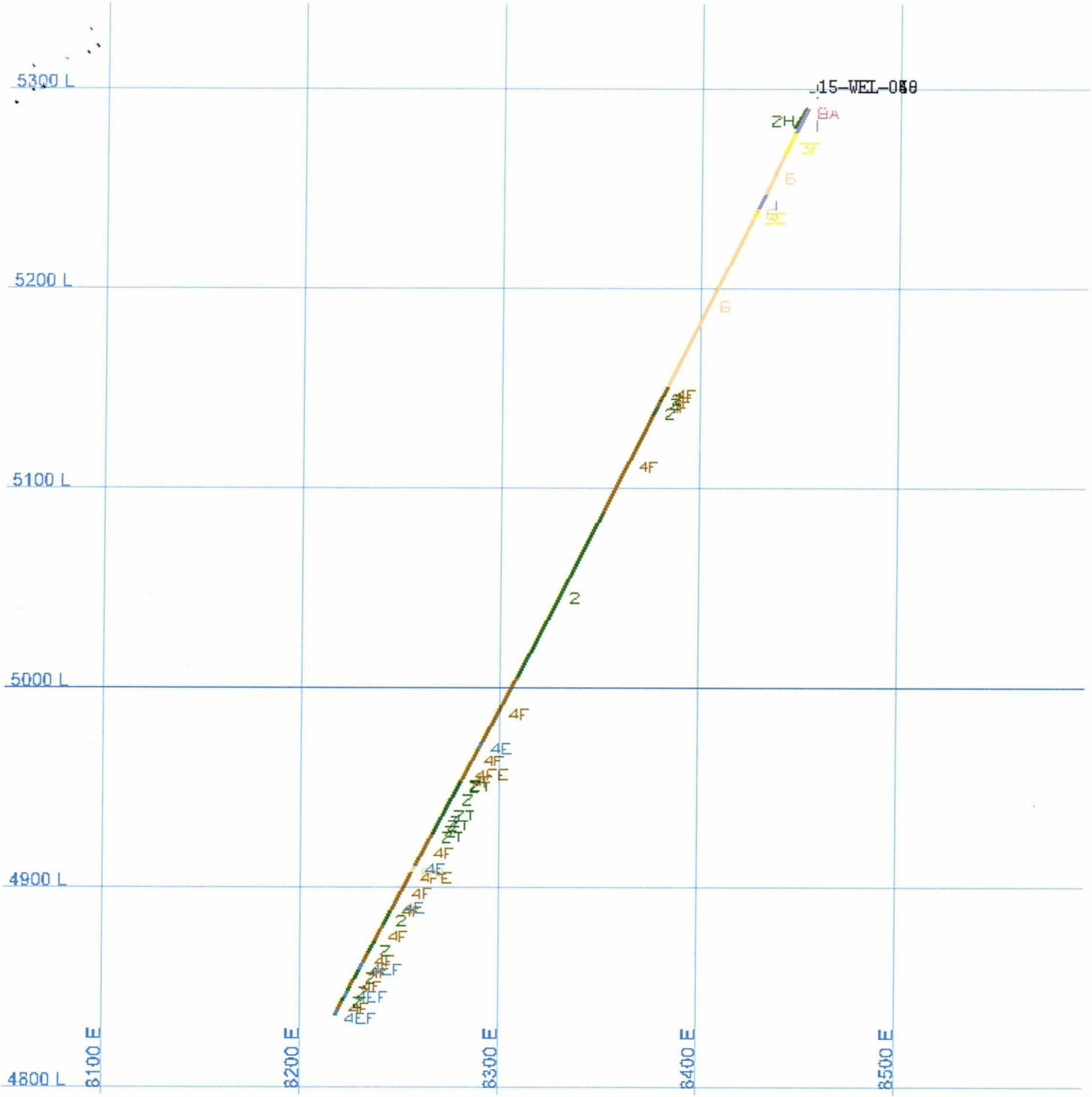
PO Box 7500

Thunder Bay, ON

P7B 6S8

Appendix 1

Cross Section of Drill Holes


5300 L
5200 L
5100 L
5000 L
4900 L
4800 L
8100 E
8200 E
8300 E
8400 E
8500 E
ZH
3F
6
3E
6
4F
2
4F
4E
4F
4E
4F
4E
4F
4F
4E
4F
4F

Appendix 2

Assay Certificate

GOLDCORP MUSSELWHITE MINE
WEST LIMB SURFACE DRILLING 2015
ASSAY CERTIFICATE

Doug Town, Chief Assayer – Musselwhite Mine

Sample ID	Hole No.	Project	From (m)	To (m)	Au ppm	Sample Date
E700315	15-WEL-050	WEL	243	244	0.025	29-Jul-15
E700316	15-WEL-050	WEL	244	245	0.047	29-Jul-15
E700317	15-WEL-050	WEL	245	246	0.053	29-Jul-15
E700318	15-WEL-050	WEL	246	247	0.03	29-Jul-15
E700319	15-WEL-050	WEL	247	248	0.044	29-Jul-15
E700321	15-WEL-050	WEL	248	249	0.049	29-Jul-15
E700322	15-WEL-050	WEL	249	250	0.425	29-Jul-15
E700323	15-WEL-050	WEL	250	251	0.233	29-Jul-15
E700324	15-WEL-050	WEL	251	252	0.08	29-Jul-15
E700325	15-WEL-050	WEL	252	253	3.512	29-Jul-15
E700326	15-WEL-050	WEL	253	254	0.057	29-Jul-15
E700327	15-WEL-050	WEL	254	255	0.077	29-Jul-15
E700328	15-WEL-050	WEL	255	256	0.027	29-Jul-15
E700329	15-WEL-050	WEL	256	257	0.028	29-Jul-15
E700331	15-WEL-050	WEL	257	258	0.043	29-Jul-15
E700332	15-WEL-050	WEL	258	259	0.032	29-Jul-15
E700333	15-WEL-050	WEL	259	260	0.066	29-Jul-15
E700334	15-WEL-050	WEL	260	261	0.06	29-Jul-15
E700335	15-WEL-050	WEL	261	262	0.049	29-Jul-15
E700336	15-WEL-050	WEL	262	263	0.068	29-Jul-15
E700337	15-WEL-050	WEL	263	264	0.037	29-Jul-15
E700338	15-WEL-050	WEL	264	265	0.024	29-Jul-15
E700339	15-WEL-050	WEL	265	266	0.058	29-Jul-15
E700341	15-WEL-050	WEL	266	267	0.137	29-Jul-15
E700342	15-WEL-050	WEL	267	268	0.225	29-Jul-15
E700343	15-WEL-050	WEL	268	269	0.128	29-Jul-15
E700344	15-WEL-050	WEL	269	270	0.278	29-Jul-15
E700345	15-WEL-050	WEL	270	271	0.039	29-Jul-15
E700346	15-WEL-050	WEL	271	272	0.043	29-Jul-15
E700347	15-WEL-050	WEL	272	273	0.024	29-Jul-15
E700348	15-WEL-050	WEL	273	274	0.038	29-Jul-15
E700349	15-WEL-050	WEL	274	275	0.104	29-Jul-15
E700351	15-WEL-050	WEL	275	276	0.097	29-Jul-15
E700352	15-WEL-050	WEL	276	277	0.13	29-Jul-15
E700353	15-WEL-050	WEL	277	278	0.197	29-Jul-15
E700354	15-WEL-050	WEL	278	279	0.055	29-Jul-15
E700355	15-WEL-050	WEL	279	280	0.057	29-Jul-15
E700356	15-WEL-050	WEL	280	281	0.03	29-Jul-15
E700357	15-WEL-050	WEL	281	282	0.027	29-Jul-15
E700358	15-WEL-050	WEL	282	283	0.028	29-Jul-15
E700359	15-WEL-050	WEL	283	284	0.048	29-Jul-15
E700361	15-WEL-050	WEL	284	285	0.068	29-Jul-15
E700362	15-WEL-050	WEL	285	286	0.146	29-Jul-15

E700363	15-WEL-050	WEL	286	287	0.066	29-Jul-15
E700364	15-WEL-050	WEL	287	288	0.232	29-Jul-15
E700365	15-WEL-050	WEL	288	289	0.019	29-Jul-15
E700366	15-WEL-050	WEL	289	290	0.068	29-Jul-15
E700367	15-WEL-050	WEL	290	291	0.011	29-Jul-15
E700368	15-WEL-050	WEL	291	292	0.068	29-Jul-15
E700369	15-WEL-050	WEL	292	293	0.059	29-Jul-15
E700371	15-WEL-050	WEL	293	294	0.124	29-Jul-15
E700372	15-WEL-050	WEL	294	295	0.012	29-Jul-15
E700373	15-WEL-050	WEL	295	296	0.038	29-Jul-15
E700374	15-WEL-050	WEL	296	297	<0.001	29-Jul-15
E700375	15-WEL-050	WEL	297	298	0.011	29-Jul-15
E700376	15-WEL-050	WEL	298	299	0.03	29-Jul-15
E700377	15-WEL-050	WEL	299	300	0.014	29-Jul-15
E700378	15-WEL-050	WEL	300	301	0.011	29-Jul-15
E700379	15-WEL-050	WEL	301	302	0.109	29-Jul-15
E700381	15-WEL-050	WEL	302	303	0.032	29-Jul-15
E700382	15-WEL-050	WEL	303	304	0.073	29-Jul-15
E700383	15-WEL-050	WEL	304	305	0.015	29-Jul-15
E700384	15-WEL-050	WEL	305	306	<0.001	29-Jul-15
E700385	15-WEL-050	WEL	306	307	<0.001	29-Jul-15
E700386	15-WEL-050	WEL	307	308	<0.001	29-Jul-15
E700387	15-WEL-050	WEL	308	309	<0.001	29-Jul-15
E700388	15-WEL-050	WEL	309	310	0.016	29-Jul-15
E700389	15-WEL-050	WEL	310	311	<0.001	29-Jul-15
E700391	15-WEL-050	WEL	311	312	0.034	29-Jul-15
E700392	15-WEL-050	WEL	312	313	0.021	29-Jul-15
E700393	15-WEL-050	WEL	313	314	0.045	29-Jul-15
E700394	15-WEL-050	WEL	314	315	0.201	29-Jul-15
E700395	15-WEL-050	WEL	315	316	0.614	29-Jul-15
E700396	15-WEL-050	WEL	316	317	1.64	29-Jul-15
E700397	15-WEL-050	WEL	317	318	0.05	29-Jul-15
E700398	15-WEL-050	WEL	318	319	0.023	29-Jul-15
E700399	15-WEL-050	WEL	319	320	0.012	29-Jul-15
E700401	15-WEL-050	WEL	320	321	0.019	29-Jul-15
E700402	15-WEL-050	WEL	321	322	0.07	29-Jul-15
E700403	15-WEL-050	WEL	322	323	0.063	29-Jul-15
E700404	15-WEL-050	WEL	323	324	0.201	29-Jul-15
E700405	15-WEL-050	WEL	324	325	0.011	29-Jul-15
E700406	15-WEL-050	WEL	325	326	0.158	29-Jul-15
E700407	15-WEL-050	WEL	326	327	0.09	29-Jul-15
E700408	15-WEL-050	WEL	327	328	0.043	29-Jul-15
E700409	15-WEL-050	WEL	328	329	<0.001	29-Jul-15
E700411	15-WEL-050	WEL	329	329.5	<0.001	29-Jul-15
E700412	15-WEL-050	WEL	329.5	330	<0.001	29-Jul-15
E700413	15-WEL-050	WEL	330	331	0.012	29-Jul-15
E700414	15-WEL-050	WEL	331	332	0.02	29-Jul-15
E700415	15-WEL-050	WEL	332	333	<0.001	29-Jul-15
E700416	15-WEL-050	WEL	333	334	0.019	29-Jul-15
E700417	15-WEL-050	WEL	334	335	0.019	29-Jul-15
E700418	15-WEL-050	WEL	335	336	0.02	29-Jul-15
E700419	15-WEL-050	WEL	336	337	0.022	29-Jul-15

E700421	15-WEL-050	WEL	337	338	0.037	29-Jul-15
E700422	15-WEL-050	WEL	338	339	0.023	29-Jul-15
E700423	15-WEL-050	WEL	339	340	1.589	29-Jul-15
E700424	15-WEL-050	WEL	340	341	1.172	29-Jul-15
E700425	15-WEL-050	WEL	341	341.5	0.377	29-Jul-15
E700426	15-WEL-050	WEL	341.5	342	2.158	29-Jul-15
E700427	15-WEL-050	WEL	342	342.4	2.667	29-Jul-15
E700428	15-WEL-050	WEL	342.4	343	0.348	29-Jul-15
E700429	15-WEL-050	WEL	343	344	0.081	29-Jul-15
E700431	15-WEL-050	WEL	344	345	0.042	29-Jul-15
E700432	15-WEL-050	WEL	345	346	0.048	29-Jul-15
E700433	15-WEL-050	WEL	346	347	0.029	29-Jul-15
E700434	15-WEL-050	WEL	347	348	0.036	29-Jul-15
E700435	15-WEL-050	WEL	348	349	0.043	29-Jul-15
E700436	15-WEL-050	WEL	349	350	0.168	29-Jul-15
E700437	15-WEL-050	WEL	350	351	0.242	29-Jul-15
E700438	15-WEL-050	WEL	351	352	0.189	29-Jul-15
E700439	15-WEL-050	WEL	352	353	0.062	30-Jul-15
E700441	15-WEL-050	WEL	353	354	0.062	30-Jul-15
E700442	15-WEL-050	WEL	354	355	0.024	30-Jul-15
E700443	15-WEL-050	WEL	355	356	0.051	30-Jul-15
E700444	15-WEL-050	WEL	356	357	0.035	30-Jul-15
E700445	15-WEL-050	WEL	357	358	0.022	30-Jul-15
E700446	15-WEL-050	WEL	358	359	0.021	30-Jul-15
E700447	15-WEL-050	WEL	359	360	0.028	30-Jul-15
E700448	15-WEL-050	WEL	360	361	0.021	30-Jul-15
E700449	15-WEL-050	WEL	361	362	0.025	30-Jul-15
E700451	15-WEL-050	WEL	362	363	0.027	30-Jul-15
E700452	15-WEL-050	WEL	363	364	0.019	30-Jul-15
E700453	15-WEL-050	WEL	364	365	0.022	30-Jul-15
E700454	15-WEL-050	WEL	365	366	0.021	30-Jul-15
E700455	15-WEL-050	WEL	366	366.6	0.387	30-Jul-15
E700456	15-WEL-050	WEL	366.6	367	0.138	30-Jul-15
E700457	15-WEL-050	WEL	367	368	0.079	30-Jul-15
E700458	15-WEL-050	WEL	368	369	0.046	30-Jul-15
E700459	15-WEL-050	WEL	369	370	0.078	30-Jul-15
E700461	15-WEL-050	WEL	370	371	0.025	30-Jul-15
E700462	15-WEL-050	WEL	371	372	0.027	30-Jul-15
E700463	15-WEL-050	WEL	372	373	0.044	30-Jul-15
E700464	15-WEL-050	WEL	373	374	0.045	30-Jul-15
E700465	15-WEL-050	WEL	374	375	0.058	30-Jul-15
E700466	15-WEL-050	WEL	375	376	0.024	30-Jul-15
E700467	15-WEL-050	WEL	376	377	2.134	30-Jul-15
E700468	15-WEL-050	WEL	377	378	0.125	30-Jul-15
E700469	15-WEL-050	WEL	378	379	0.118	30-Jul-15
E700471	15-WEL-050	WEL	379	380	0.096	30-Jul-15
E700472	15-WEL-050	WEL	380	380.3	0.052	30-Jul-15
E700473	15-WEL-050	WEL	380.3	381	0.05	30-Jul-15
E700474	15-WEL-050	WEL	381	382	0.05	31-Jul-15
E700475	15-WEL-050	WEL	382	383	0.261	31-Jul-15
E700476	15-WEL-050	WEL	383	384	0.582	31-Jul-15
E700477	15-WEL-050	WEL	384	385	0.036	31-Jul-15

E700478	15-WEL-050	WEL	385	386	0.029	31-Jul-15
E700479	15-WEL-050	WEL	386	387	0.072	31-Jul-15
E700481	15-WEL-050	WEL	387	387.5	0.019	31-Jul-15
E700482	15-WEL-050	WEL	387.5	388.2	5.583	31-Jul-15
E700483	15-WEL-050	WEL	388.2	389	1.13	31-Jul-15
E700484	15-WEL-050	WEL	389	389.9	11.07	31-Jul-15
E700485	15-WEL-050	WEL	389.9	390.9	0.552	31-Jul-15
E700486	15-WEL-050	WEL	390.9	391.9	0.103	31-Jul-15
E700487	15-WEL-050	WEL	391.9	392.5	2.876	31-Jul-15
E700488	15-WEL-050	WEL	392.5	393.5	0.219	31-Jul-15
E700489	15-WEL-050	WEL	393.5	394.5	0.027	31-Jul-15
E700491	15-WEL-050	WEL	394.5	395.5	0.613	31-Jul-15
E700492	15-WEL-050	WEL	395.5	396.5	0.247	31-Jul-15
E700493	15-WEL-050	WEL	396.5	397.2	0.802	31-Jul-15
E700494	15-WEL-050	WEL	397.2	398.2	1.236	31-Jul-15
E700495	15-WEL-050	WEL	398.2	399	0.109	31-Jul-15
E700496	15-WEL-050	WEL	399	400	0.115	31-Jul-15
E700497	15-WEL-050	WEL	400	401	0.145	31-Jul-15
E700498	15-WEL-050	WEL	401	402	0.086	31-Jul-15
E700499	15-WEL-050	WEL	402	403	0.047	31-Jul-15
E700501	15-WEL-050	WEL	403	403.9	0.321	31-Jul-15
E700502	15-WEL-050	WEL	403.9	404.4	3.843	31-Jul-15
E700503	15-WEL-050	WEL	404.4	405	9.55	31-Jul-15
E700504	15-WEL-050	WEL	405	405.5	1.607	31-Jul-15
E700505	15-WEL-050	WEL	405.5	406	0.665	31-Jul-15
E700506	15-WEL-050	WEL	406	406.5	2.165	31-Jul-15
E700507	15-WEL-050	WEL	406.5	407.2	7.859	31-Jul-15
E700508	15-WEL-050	WEL	407.2	407.9	1.627	31-Jul-15
E700509	15-WEL-050	WEL	407.9	408.7	0.183	31-Jul-15
E700511	15-WEL-050	WEL	408.7	409.7	0.29	31-Jul-15
E700512	15-WEL-050	WEL	409.7	410.7	0.034	31-Jul-15
E700513	15-WEL-050	WEL	410.7	411.3	0.041	31-Jul-15
E700514	15-WEL-050	WEL	411.3	412.2	0.881	31-Jul-15
E700515	15-WEL-050	WEL	412.2	413.2	0.124	31-Jul-15
E700516	15-WEL-050	WEL	413.2	414.2	0.269	31-Jul-15
E700517	15-WEL-050	WEL	414.2	415.2	1.911	31-Jul-15
E700518	15-WEL-050	WEL	415.2	416.2	2.247	31-Jul-15
E700519	15-WEL-050	WEL	416.2	417.2	0.32	31-Jul-15
E700521	15-WEL-050	WEL	417.2	417.7	8.731	31-Jul-15
E700522	15-WEL-050	WEL	417.7	418.5	7.397	31-Jul-15
E700523	15-WEL-050	WEL	418.5	419.1	13.63	31-Jul-15
E700524	15-WEL-050	WEL	419.1	420	7.26	31-Jul-15
E700525	15-WEL-050	WEL	420	421	1.558	31-Jul-15
E700526	15-WEL-050	WEL	421	422	0.072	31-Jul-15
E700527	15-WEL-050	WEL	422	423	0.062	31-Jul-15
E700528	15-WEL-050	WEL	423	424	0.036	31-Jul-15
E700529	15-WEL-050	WEL	424	425	0.043	31-Jul-15
E700531	15-WEL-050	WEL	425	425.6	0.029	31-Jul-15
E700532	15-WEL-050	WEL	425.6	426.1	0.174	31-Jul-15
E700533	15-WEL-050	WEL	426.1	427	0.068	31-Jul-15
E700534	15-WEL-050	WEL	427	428	0.04	31-Jul-15
E700535	15-WEL-050	WEL	428	429	0.058	31-Jul-15

E700536	15-WEL-050	WEL	429	430	0.04	31-Jul-15
E700537	15-WEL-050	WEL	430	431	0.754	31-Jul-15
E700538	15-WEL-050	WEL	431	432	0.056	1-Aug-15
E700539	15-WEL-050	WEL	432	433	0.022	1-Aug-15
E700541	15-WEL-050	WEL	433	434	0.03	1-Aug-15
E700542	15-WEL-050	WEL	434	435	0.033	1-Aug-15
E700543	15-WEL-050	WEL	435	435.9	0.04	1-Aug-15
E700544	15-WEL-050	WEL	435.9	436.8	0.089	1-Aug-15
E700545	15-WEL-050	WEL	436.8	437.6	0.027	1-Aug-15
E700546	15-WEL-050	WEL	437.6	438.6	0.01	1-Aug-15
E700547	15-WEL-050	WEL	438.6	439.4	0.013	1-Aug-15
E700548	15-WEL-050	WEL	439.4	440.3	0.014	1-Aug-15
E700549	15-WEL-050	WEL	440.3	441	<0.001	1-Aug-15
E700551	15-WEL-050	WEL	441	441.8	0.028	1-Aug-15
E700552	15-WEL-050	WEL	441.8	442.6	0.022	1-Aug-15
E700553	15-WEL-050	WEL	442.6	443	0.021	1-Aug-15
E700554	15-WEL-050	WEL	443	444	0.019	1-Aug-15
E700555	15-WEL-050	WEL	444	445	0.077	1-Aug-15
E700556	15-WEL-050	WEL	445	446	0.028	1-Aug-15
E700557	15-WEL-050	WEL	446	447	0.019	1-Aug-15
E700558	15-WEL-050	WEL	447	447.7	0.263	1-Aug-15
E700559	15-WEL-050	WEL	447.7	448.1	0.04	1-Aug-15
E700561	15-WEL-050	WEL	448.1	449	0.037	1-Aug-15
E700562	15-WEL-050	WEL	449	450	0.04	1-Aug-15
E700563	15-WEL-050	WEL	450	451	0.039	1-Aug-15
E700564	15-WEL-050	WEL	451	451.5	0.024	1-Aug-15
E700565	15-WEL-050	WEL	451.5	452.2	0.027	1-Aug-15
E700566	15-WEL-050	WEL	452.2	452.5	1.002	1-Aug-15
E700567	15-WEL-050	WEL	452.5	453	0.109	1-Aug-15
E700568	15-WEL-050	WEL	453	453.7	0.021	1-Aug-15
E700569	15-WEL-050	WEL	453.7	454.1	0.084	1-Aug-15
E700571	15-WEL-050	WEL	454.1	455	0.04	1-Aug-15
E700572	15-WEL-050	WEL	455	455.7	0.029	1-Aug-15
E700573	15-WEL-050	WEL	455.7	456.2	0.485	1-Aug-15
E700574	15-WEL-050	WEL	456.2	457	0.298	1-Aug-15
E700575	15-WEL-050	WEL	457	458	0.039	1-Aug-15
E700576	15-WEL-050	WEL	458	458.4	0.027	1-Aug-15
E700577	15-WEL-050	WEL	458.4	459	0.05	1-Aug-15
E700578	15-WEL-050	WEL	459	460	0.024	1-Aug-15
E700579	15-WEL-050	WEL	460	461	0.044	1-Aug-15
E700581	15-WEL-050	WEL	461	462	0.03	1-Aug-15
E700582	15-WEL-050	WEL	462	463	0.036	1-Aug-15
E700583	15-WEL-050	WEL	463	464	0.063	1-Aug-15
E700584	15-WEL-050	WEL	464	465	0.023	1-Aug-15
E700585	15-WEL-050	WEL	465	466	0.014	1-Aug-15
E700586	15-WEL-050	WEL	466	467	0.027	1-Aug-15
E700587	15-WEL-050	WEL	467	468	0.016	1-Aug-15
E700588	15-WEL-050	WEL	468	469	0.011	1-Aug-15
E700589	15-WEL-050	WEL	469	470	0.028	1-Aug-15
E700591	15-WEL-050	WEL	470	470.4	0.037	1-Aug-15
E700592	15-WEL-050	WEL	470.4	471.4	0.022	1-Aug-15
E700593	15-WEL-050	WEL	471.4	472.4	0.66	1-Aug-15

E700594	15-WEL-050	WEL	472.4	473.4	2.598	1-Aug-15
E700595	15-WEL-050	WEL	473.4	474.4	0.048	1-Aug-15
E700596	15-WEL-050	WEL	474.4	475.4	0.045	1-Aug-15
E700597	15-WEL-050	WEL	475.4	476.4	0.033	1-Aug-15
E700598	15-WEL-050	WEL	476.4	477.4	0.036	1-Aug-15
E700599	15-WEL-050	WEL	477.4	478.4	0.033	1-Aug-15
E700601	15-WEL-050	WEL	478.4	479.3	0.059	1-Aug-15
E700602	15-WEL-050	WEL	479.3	480	0.035	4-Aug-15
E700603	15-WEL-050	WEL	480	481	0.033	4-Aug-15
E700604	15-WEL-050	WEL	481	482	0.049	4-Aug-15
E700605	15-WEL-050	WEL	482	483	0.049	4-Aug-15
E700606	15-WEL-050	WEL	483	484	0.047	4-Aug-15
E700607	15-WEL-050	WEL	484	485	0.039	4-Aug-15
E700608	15-WEL-050	WEL	485	486	0.059	4-Aug-15
E700609	15-WEL-050	WEL	486	487	0.075	4-Aug-15
E700611	15-WEL-050	WEL	487	488	0.047	4-Aug-15
E700612	15-WEL-050	WEL	488	489	0.046	4-Aug-15
E700613	15-WEL-050	WEL	489	490	0.064	4-Aug-15
E700614	15-WEL-050	WEL	490	491	0.042	4-Aug-15
E700615	15-WEL-050	WEL	491	492	0.27	4-Aug-15
E700616	15-WEL-050	WEL	492	493	0.048	4-Aug-15
E700617	15-WEL-050	WEL	493	494	0.025	4-Aug-15
E700618	15-WEL-050	WEL	494	494.5	<0.001	4-Aug-15
E700619	15-WEL-050	WEL	494.5	495.4	0.034	4-Aug-15
E700621	15-WEL-050	WEL	495.4	496.1	0.035	4-Aug-15
E700622	15-WEL-050	WEL	496.1	497	0.032	4-Aug-15
E700623	15-WEL-050	WEL	497	498	0.025	6-Aug-15
E700624	15-WEL-050	WEL	498	499	0.021	6-Aug-15
E700625	15-WEL-050	WEL	499	500	0.022	6-Aug-15
E700626	15-WEL-050	WEL	500	500.8	0.026	6-Aug-15
E700627	15-WEL-050	WEL	500.8	501.4	0.025	6-Aug-15
E700628	15-WEL-050	WEL	501.4	502	0.012	6-Aug-15
E700629	15-WEL-050	WEL	502	503	0.032	6-Aug-15
E700631	15-WEL-050	WEL	503	504	0.043	6-Aug-15
E700632	15-WEL-050	WEL	504	505	0.017	6-Aug-15
E700633	15-WEL-050	WEL	505	505.5	0.551	6-Aug-15
E700634	15-WEL-050	WEL	505.5	506	0.027	6-Aug-15
E700635	15-WEL-050	WEL	506	507	0.019	6-Aug-15
E700636	15-WEL-050	WEL	507	508	0.033	6-Aug-15
E700637	15-WEL-050	WEL	508	508.3	0.02	6-Aug-15
E700638	15-WEL-050	WEL	508.3	509	0.669	6-Aug-15
E700639	15-WEL-050	WEL	509	510	1.487	6-Aug-15
E700641	15-WEL-050	WEL	510	510.8	0.123	6-Aug-15
E700642	15-WEL-050	WEL	510.8	511.4	0.283	6-Aug-15
E700643	15-WEL-050	WEL	511.4	512.4	0.074	6-Aug-15
E700644	15-WEL-050	WEL	512.4	513.4	0.065	6-Aug-15
E700645	15-WEL-050	WEL	513.4	514	0.028	6-Aug-15
E700646	15-WEL-050	WEL	514	515	0.042	6-Aug-15
E700647	15-WEL-050	WEL	515	516	0.104	6-Aug-15
E700648	15-WEL-050	WEL	516	517	0.064	6-Aug-15
E700649	15-WEL-050	WEL	517	517.7	0.048	6-Aug-15
E701676	15-WEL-050	WEL	517.7	518.3	0.046	6-Aug-15

E701677	15-WEL-050	WEL	518.3	519.3	0.134	6-Aug-15
E701678	15-WEL-050	WEL	519.3	520.3	0.083	6-Aug-15
E701679	15-WEL-050	WEL	520.3	521.3	0.05	6-Aug-15
E701681	15-WEL-050	WEL	521.3	522.3	0.163	6-Aug-15
E701682	15-WEL-050	WEL	522.3	523.3	0.047	6-Aug-15
E701683	15-WEL-050	WEL	523.3	524.3	0.035	6-Aug-15
E701684	15-WEL-050	WEL	524.3	525	0.039	6-Aug-15
E701685	15-WEL-050	WEL	525	526	0.047	6-Aug-15
E701686	15-WEL-050	WEL	526	526.4	0.088	6-Aug-15
E701687	15-WEL-050	WEL	526.4	527.4	0.042	6-Aug-15
E701688	15-WEL-050	WEL	527.4	528.4	0.024	6-Aug-15
E701689	15-WEL-050	WEL	528.4	529.4	0.054	6-Aug-15
E701691	15-WEL-050	WEL	529.4	530.3	0.016	6-Aug-15
E701692	15-WEL-050	WEL	530.3	531	0.041	6-Aug-15
E701693	15-WEL-050	WEL	531	532	0.03	6-Aug-15
E701694	15-WEL-050	WEL	532	533	0.04	6-Aug-15
E701695	15-WEL-050	WEL	533	533.4	0.023	6-Aug-15
E701696	15-WEL-050	WEL	533.4	534	0.035	6-Aug-15
E701697	15-WEL-050	WEL	534	535	0.039	6-Aug-15
E701698	15-WEL-050	WEL	535	536	1.005	6-Aug-15
E701699	15-WEL-050	WEL	536	537	0.08	6-Aug-15
E701701	15-WEL-050	WEL	537	538	0.201	6-Aug-15
E701702	15-WEL-050	WEL	538	539	0.033	6-Aug-15
E701703	15-WEL-050	WEL	539	540	2.279	6-Aug-15
E701704	15-WEL-050	WEL	540	541	0.869	6-Aug-15
E701705	15-WEL-050	WEL	541	542	0.654	6-Aug-15
E701706	15-WEL-050	WEL	542	543	0.067	6-Aug-15
E701707	15-WEL-050	WEL	543	544	0.072	6-Aug-15
E701708	15-WEL-050	WEL	544	545	0.036	6-Aug-15
E701709	15-WEL-050	WEL	545	545.8	0.031	6-Aug-15
E701711	15-WEL-050	WEL	545.8	546.3	0.019	6-Aug-15
E701712	15-WEL-050	WEL	546.3	547	0.022	6-Aug-15
E701713	15-WEL-050	WEL	547	548	0.027	6-Aug-15
E701714	15-WEL-050	WEL	548	549	0.032	6-Aug-15
E701715	15-WEL-050	WEL	549	550	12.87	6-Aug-15
E701716	15-WEL-050	WEL	550	551	0.153	6-Aug-15
E701717	15-WEL-050	WEL	551	552	0.055	6-Aug-15
E701718	15-WEL-050	WEL	552	553	0.025	6-Aug-15
E701719	15-WEL-050	WEL	553	554	0.051	6-Aug-15
E701721	15-WEL-050	WEL	554	555	0.016	6-Aug-15
E701722	15-WEL-050	WEL	555	556	0.027	6-Aug-15
E701723	15-WEL-050	WEL	556	557	0.027	6-Aug-15
E701724	15-WEL-050	WEL	557	558	0.022	6-Aug-15
E701725	15-WEL-050	WEL	558	559	0.019	6-Aug-15
E701726	15-WEL-050	WEL	559	560	0.015	6-Aug-15
E701727	15-WEL-050	WEL	560	561	0.013	6-Aug-15
E701728	15-WEL-050	WEL	561	562	0.031	6-Aug-15
E701729	15-WEL-050	WEL	562	563	0.018	6-Aug-15
E701731	15-WEL-050	WEL	563	564	0.039	6-Aug-15
E701732	15-WEL-050	WEL	564	565	0.023	6-Aug-15
E701733	15-WEL-050	WEL	565	566	0.046	6-Aug-15
E701734	15-WEL-050	WEL	566	566.7	0.031	6-Aug-15

E701735	15-WEL-050	WEL	566.7	567.3	0.034	6-Aug-15
E701736	15-WEL-050	WEL	567.3	568	0.053	6-Aug-15
E701737	15-WEL-050	WEL	568	569	0.022	6-Aug-15
E701738	15-WEL-050	WEL	569	569.7	0.038	6-Aug-15
E701739	15-WEL-050	WEL	569.7	570.7	0.071	6-Aug-15
E701741	15-WEL-050	WEL	570.7	571.7	0.038	6-Aug-15
E701742	15-WEL-050	WEL	571.7	572.7	0.029	6-Aug-15
E701743	15-WEL-050	WEL	572.7	573.7	0.028	6-Aug-15
E701744	15-WEL-050	WEL	573.7	574.7	0.096	6-Aug-15
E701745	15-WEL-050	WEL	574.7	575.7	0.124	6-Aug-15
E701746	15-WEL-050	WEL	575.7	576.7	3.263	6-Aug-15
E701747	15-WEL-050	WEL	576.7	577.7	1.161	6-Aug-15
E701748	15-WEL-050	WEL	577.7	578.7	0.08	6-Aug-15
E701749	15-WEL-050	WEL	578.7	579.6	0.044	6-Aug-15
E701751	15-WEL-050	WEL	579.6	580.2	0.045	6-Aug-15
E701752	15-WEL-050	WEL	580.2	581	0.075	6-Aug-15
E701753	15-WEL-050	WEL	581	582	0.025	6-Aug-15
E701754	15-WEL-050	WEL	582	583	0.016	6-Aug-15
E701755	15-WEL-050	WEL	583	584	0.032	6-Aug-15
E701756	15-WEL-050	WEL	584	585	0.016	6-Aug-15
E701757	15-WEL-050	WEL	585	586	0.025	6-Aug-15
E701758	15-WEL-050	WEL	586	587	0.014	6-Aug-15
E701759	15-WEL-050	WEL	587	588	0.026	6-Aug-15
E701761	15-WEL-050	WEL	588	589	0.056	6-Aug-15
E701762	15-WEL-050	WEL	589	590	0.037	6-Aug-15
E701763	15-WEL-050	WEL	590	591	0.044	6-Aug-15
E701764	15-WEL-050	WEL	591	591.4	0.035	6-Aug-15
E701765	15-WEL-050	WEL	591.4	592.3	0.049	6-Aug-15
E701766	15-WEL-050	WEL	592.3	592.7	0.042	6-Aug-15
E701767	15-WEL-050	WEL	592.7	593	0.3	6-Aug-15
E701768	15-WEL-050	WEL	593	593.7	0.054	6-Aug-15
E701769	15-WEL-050	WEL	593.7	594.1	0.149	6-Aug-15
E701771	15-WEL-050	WEL	594.1	594.7	0.047	6-Aug-15
E701772	15-WEL-050	WEL	594.7	595.6	0.063	6-Aug-15
E701773	15-WEL-050	WEL	595.6	596	0.016	6-Aug-15
E701774	15-WEL-050	WEL	596	596.7	0.039	6-Aug-15
E701775	15-WEL-050	WEL	596.7	597	0.023	6-Aug-15
E701776	15-WEL-050	WEL	597	598	0.014	6-Aug-15
E701777	15-WEL-050	WEL	598	599	0.029	6-Aug-15
E701778	15-WEL-050	WEL	599	600	0.013	6-Aug-15

Appendix 3

Detailed Breakdown of Expenditures

LABOUR

Drill Hole ID	Item	Unit	Cost/Unit	Total
15-WEL-049	Field Technician	6 hours	$36	$216.00
15-WEL-049	Logging Geologist	8 hours	$50	$400.00
15-WEL-049	Core Cutter	0	$26	$0.00
15-WEL-049	Assay (Internal)	0	$26	$0.00
15-WEL-049	Sr. Geologist	3 hour	$70	$210.00
			SUB TOTAL	**$826.00**
15-WEL-050	Field Technician	44 hours	$36	$1,584.00
15-WEL-050	Logging Geologist	66 hours	$47	$3,102.00
15-WEL-050	Core Cutter	35 hours	$26	$910.00
15-WEL-050	Assay (Internal)	395 samples	$26	$10,270.00
15-WEL-050	Sr. Geologist	5 hours	$70	$350.00
			SUB TOTAL	**$16,216.00**
			TOTAL LABOUR	**$17,042.00**

DRILLING

Drill Hole ID	Item			Cost
15-WEL-049	Move			$2,460.00
15-WEL-049	Casing			$615.00
15-WEL-049	Drilling			$1,078.38
15-WEL-049	Standby			$0.00
15-WEL-049	Grout/Survey			$0.00
15-WEL-049	Supervision			$650.00
15-WEL-049	Rentals			$896.25
	SUB TOTAL			**$5,699.63**
15-WEL-050	Move			$1,025.00
15-WEL-050	Casing			$1,742.00
15-WEL-050	Drilling			$46,655.00
15-WEL-050	Standby			$820.00
15-WEL-050	Grout/Survey			$7,060.00
15-WEL-050	Supervision			$4,225.00
15-WEL-050	Rentals			$896.25
	SUB TOTAL			**$62,423.25**
			TOTAL DRILLING	**$68,122.88**

OTHER

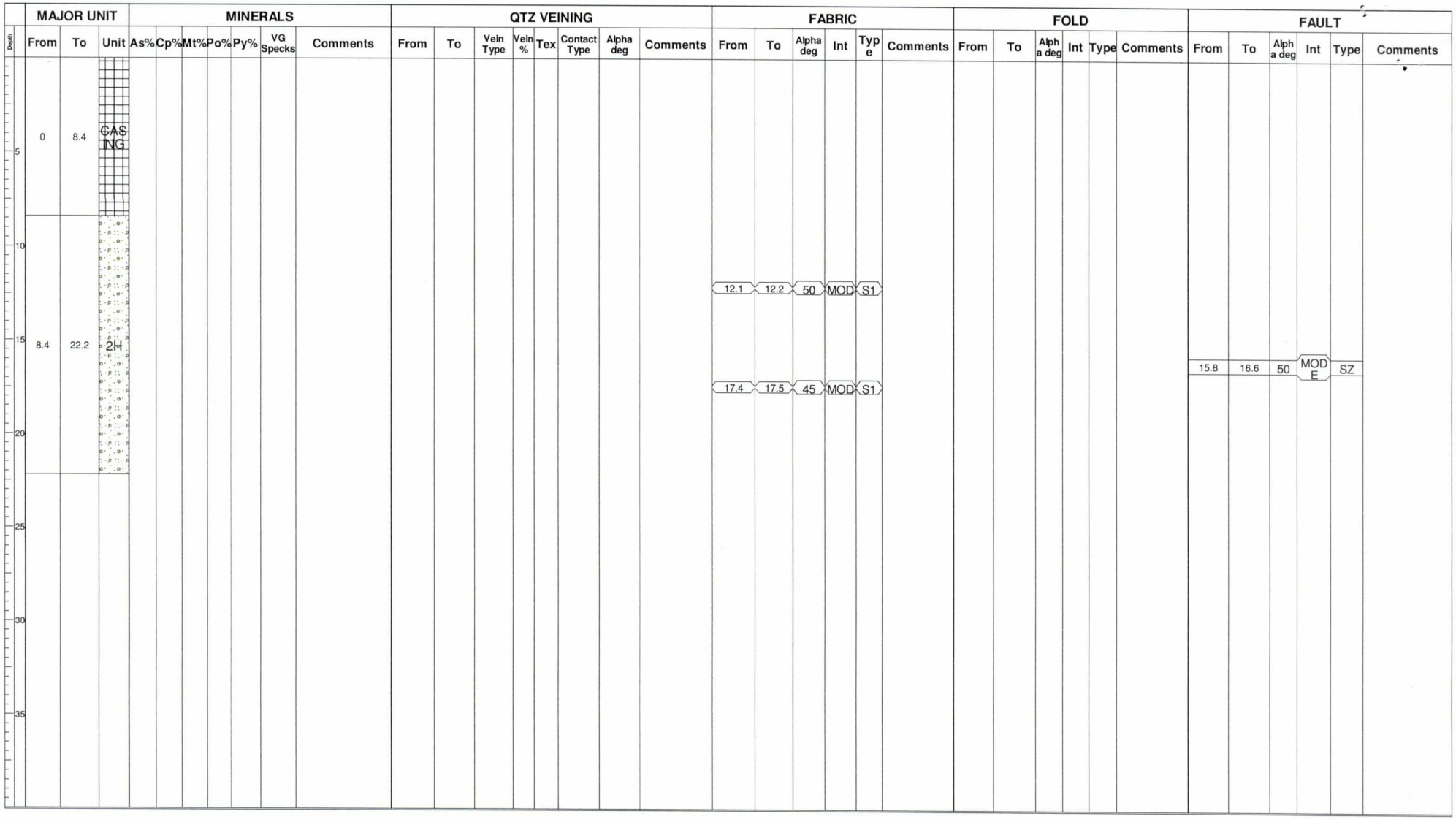
Item	Unit		Cost/Unit	Total
Core Shack Rental	1 month		$4,700	$4,700.00
Cut Shack Rental	1 month		$2,600	$2,600.00
Drill Mobilization	flat rate		$5,000	$5,000.00
Drill Demobilization	flat rate		$5,000	$5,000.00
Camp costs for Drillers (5)	22 days (5 people)		$80/day	$8,800.00
Drill Unload and Staging - Equipment	6 hours		$102	$612.00
Pad/Sump building - Equipment	4 hours		$102	$408.00
Crush for pad - Material/Equipment	4 hours		$102	$408.00
Move onto pad - Equipment	3 hours		$102	$306.00
Drill Loading - Equipment	6 hours		$102	$612.00
Report Writing - Logging Geo	12 hours		$50/hr	$600.00
Report Verification - Sr. Geo	10 hours		$70/hr	$700.00
Core Boxes - NQ two row	$5.75/tray		420	$2,415.00
			TOTAL OTHER	**$32,161.00**

GRAND TOTAL **$117,325.88**

Appendix 4

Drill Logs

15-WEL-049



MAJOR UNIT			MINERALS							QTZ VEINING								FABRIC						FOLD						FAULT					
Depth	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments
	0	8.4	CASING																																	
5																																			
10																			12.1	12.2	50	MOD	S1													
15	8.4	22.2	2H																												15.8	16.6	50	MOD E	SZ	
																			17.4	17.5	45	MOD	S1												
20																																				
25																																				
30																																				
35																																				

MUSSELWHITE MINE - GEOLOGY

Hole: **15-WEL-050** Project: **WEL**

Mine Grid Easting: 8457.798
Mine Grid Northing: 11944.49
Elevation: 5298.32

UTM East: 676522.5
UTM North: 5833779

Planned Depth(m): 600
Actual Depth (m): 600
Core Diameter: NQ2

Plugged: YES
Grout Test: YES
Result: GOOD

Drill Start Date: 7/20/2015
Drill End Date: 7/29/2015

Target 1: WEL-A
Target 2:
Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
0	269.9	-64.2	MAXI
3	270	-64.1	MAXI
6	270	-64	MAXI
9	270.1	-63.9	MAXI
12	270.1	-63.8	MAXI
15	270.1	-63.7	MAXI
18	270.1	-63.7	MAXI
21	270.1	-63.7	MAXI
24	270.1	-63.7	MAXI
27	270	-63.8	MAXI
30	270.1	-63.7	MAXI
33	270.1	-63.8	MAXI
36	270.2	-63.7	MAXI
39	270.2	-63.7	MAXI
42	270.2	-63.7	MAXI
45	270.3	-63.7	MAXI
48	270.3	-63.6	MAXI
51	270.3	-63.6	MAXI
54	270.3	-63.6	MAXI
57	270.3	-63.5	MAXI
60	270.4	-63.5	MAXI
63	270.4	-63.5	MAXI
66	270.4	-63.5	MAXI
69	270.5	-63.4	MAXI
72	270.6	-63.4	MAXI
75	270.6	-63.4	MAXI
78	270.6	-63.4	MAXI
81	270.7	-63.3	MAXI
84	270.7	-63.3	MAXI
87	270.8	-63.3	MAXI
90	270.8	-63.3	MAXI
93	270.9	-63.3	MAXI
96	270.9	-63.3	MAXI
99	271	-63.3	MAXI
102	271	-63.3	MAXI
105	271.1	-63.3	MAXI
108	271.2	-63.3	MAXI
111	271.3	-63.3	MAXI
114	271.3	-63.2	MAXI
117	271.4	-63.3	MAXI
120	271.5	-63.2	MAXI
123	271.6	-63.2	MAXI
126	271.7	-63.2	MAXI
129	271.7	-63.2	MAXI
132	271.8	-63.2	MAXI
135	271.8	-63.1	MAXI
138	271.9	-63.2	MAXI
141	271.9	-63.2	MAXI
144	272	-63.2	MAXI
147	272.1	-63.2	MAXI
150	272.1	-63.2	MAXI
153	272.2	-63.1	MAXI
156	272.3	-63.1	MAXI
159	272.3	-63.1	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **15-WEL-049** Project: **WEL**

Mine Grid Easting: 8457.877
Mine Grid Northing: 11944.5
Elevation: 5298.729

UTM East: 676522.5
UTM North: 5833779

Planned Depth(m): 600
Actual Depth (m): 22.2
Core Diameter: NQ2

Plugged: NO
Grout Test:
Result: NO RESULTS

Drill Start Date: 7/19/2015
Drill End Date: 7/19/2015

Target 1: WEL-A
Target 2:
Target 3:

Drill Instructions:

Collar Comments: Hole cancelled due to lift and binding of rods. Collared at -61.5 and was at -57 by 16m. Recollared steeper as 15-WEL-050

Survey

Depth	Azimuth	Dip	SurveyType
0	270.168	-61.554	SURV
16	270	-57.4	EZS

15-WEL-049

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					0	8.4	CASING														
					8.4	22.2	2H	GG	FOL	Grey-green, fg, foliated, altered lapilli tuff. ~5-10% fg (0.5-3mm) lapilli scattered throughout, often forming patches. Unit is altered by green amph, qtz stringers (~6-8%), and increased bio alt. Increased quartz veining in last 2m.	Larger crb-qtz vein present between 17.7-17.8m with a weak colloform texture. Some patches appear somewhat mafic (possibly intercalated?), which contributes to the intermediate composition. No min or mag noted. EOH due to recollaring of hole.										

MUSSELWHITE MINE - GEOLOGY

Hole: **15-WEL-050** Project: **WEL**

Mine Grid Easting: 8457.798
Mine Grid Northing: 11944.49
Elevation: 5298.32

Planned Depth(m): 600
Actual Depth (m): 600
Core Diameter: NQ2

Drill Start Date: 7/20/2015
Drill End Date: 7/29/2015

UTM East: 676522.5
UTM North: 5833779

Plugged: YES
Grout Test: YES
Result: GOOD

Target 1: WEL-A
Target 2:
Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
162	272.4	-62.9	MAXI
165	272.4	-62.9	MAXI
168	272.5	-62.9	MAXI
171	272.5	-62.9	MAXI
174	272.5	-62.9	MAXI
177	272.6	-62.9	MAXI
180	272.7	-62.9	MAXI
183	272.7	-62.9	MAXI
186	272.9	-62.9	MAXI
189	273	-62.9	MAXI
192	273	-62.9	MAXI
195	273.1	-62.9	MAXI
198	273.2	-62.9	MAXI
201	273.3	-62.9	MAXI
204	273.3	-63	MAXI
207	273.4	-62.9	MAXI
210	273.5	-62.9	MAXI
213	273.5	-62.8	MAXI
216	273.6	-62.9	MAXI
219	273.7	-62.8	MAXI
222	273.7	-62.9	MAXI
225	273.8	-62.9	MAXI
228	273.8	-62.8	MAXI
231	273.8	-62.9	MAXI
234	273.9	-62.8	MAXI
237	273.9	-62.8	MAXI
240	273.9	-62.9	MAXI
243	274	-62.9	MAXI
246	274	-62.8	MAXI
249	274.1	-62.8	MAXI
252	274.2	-62.8	MAXI
255	274.2	-62.8	MAXI
258	274.3	-62.8	MAXI
261	274.2	-62.8	MAXI
264	274.2	-62.8	MAXI
267	274.3	-62.8	MAXI
270	274.4	-62.7	MAXI
273	274.5	-62.7	MAXI
276	274.5	-62.6	MAXI
279	274.6	-62.6	MAXI
282	274.7	-62.6	MAXI
285	274.7	-62.6	MAXI
288	274.8	-62.5	MAXI
291	274.9	-62.5	MAXI
294	275	-62.4	MAXI
297	275.1	-62.4	MAXI
300	275.2	-62.3	MAXI
303	275.3	-62.4	MAXI
306	275.5	-62.3	MAXI
309	275.6	-62.3	MAXI
312	275.6	-62.3	MAXI
315	275.7	-62.2	MAXI
318	275.7	-62.2	MAXI
321	275.7	-62.2	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **15-WEL-050** Project: **WEL**

Mine Grid Easting: 8457.798
Mine Grid Northing: 11944.49
Elevation: 5298.32

UTM East: 676522.5
UTM North: 5833779

Planned Depth(m): 600
Actual Depth (m): 600
Core Diameter: NQ2

Plugged: YES
Grout Test: YES
Result: GOOD

Drill Start Date: 7/20/2015
Drill End Date: 7/29/2015

Target 1: WEL-A
Target 2:
Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
324	275.8	-62.1	MAXI
327	275.8	-62.1	MAXI
330	275.7	-62.1	MAXI
333	275.7	-62.1	MAXI
336	275.7	-62	MAXI
339	275.7	-62	MAXI
342	275.7	-62	MAXI
345	275.7	-61.9	MAXI
348	275.7	-61.8	MAXI
351	275.8	-61.7	MAXI
354	275.7	-61.7	MAXI
357	275.7	-61.4	MAXI
360	275.7	-61.4	MAXI
363	275.7	-61.5	MAXI
366	275.6	-61.6	MAXI
369	275.6	-61.6	MAXI
372	275.7	-61.6	MAXI
375	275.7	-61.6	MAXI
378	275.8	-61.5	MAXI
381	275.9	-61.5	MAXI
384	275.9	-61.5	MAXI
387	275.9	-61.6	MAXI
390	275.8	-61.7	MAXI
393	275.6	-61.7	MAXI
396	275.5	-61.5	MAXI
399	275.5	-61.5	MAXI
402	275.4	-61.6	MAXI
405	275.5	-61.6	MAXI
408	275.4	-61.6	MAXI
411	275.4	-61.7	MAXI
414	275.3	-61.7	MAXI
417	275.4	-61.6	MAXI
420	275.4	-61.6	MAXI
423	275.5	-61.5	MAXI
426	275.5	-61.6	MAXI
429	275.6	-61.7	MAXI
432	275.4	-61.7	MAXI
435	275.4	-61.5	MAXI
438	275.4	-61.6	MAXI
441	275.5	-61.4	MAXI
444	275.5	-61.5	MAXI
447	275.5	-61.7	MAXI
450	275.4	-61.5	MAXI
453	275.5	-61.5	MAXI
456	275.5	-61.5	MAXI
459	275.5	-61.5	MAXI
462	275.6	-61.5	MAXI
465	275.5	-61.5	MAXI
468	275.5	-61.4	MAXI
471	275.6	-61.4	MAXI
474	275.6	-61.6	MAXI
477	275.5	-61.5	MAXI
480	275.5	-61.4	MAXI
483	275.6	-61.3	MAXI

MUSSELWHITE MINE - GEOLOGY

Hole: **15-WEL-050** Project: **WEL**

Mine Grid Easting: 8457.798
Mine Grid Northing: 11944.49
Elevation: 5298.32

UTM East: 676522.5
UTM North: 5833779

Planned Depth(m): 600
Actual Depth (m): 600
Core Diameter: NQ2

Plugged: YES
Grout Test: YES
Result: GOOD

Drill Start Date: 7/20/2015
Drill End Date: 7/29/2015

Target 1: WEL-A
Target 2:
Target 3:

Drill Instructions:

Collar Comments:

Survey

Depth	Azimuth	Dip	SurveyType
486	275.6	-61.5	MAXI
489	275.6	-61.4	MAXI
492	275.7	-61.5	MAXI
495	275.7	-61.6	MAXI
498	275.7	-61.6	MAXI
501	275.7	-61.5	MAXI
504	275.6	-61.6	MAXI
507	275.6	-61.5	MAXI
510	275.6	-61.5	MAXI
513	275.7	-61.6	MAXI
516	275.6	-61.4	MAXI
519	275.7	-61.3	MAXI
522	275.8	-61.3	MAXI
525	275.9	-61.3	MAXI
528	275.8	-61.3	MAXI
531	275.8	-61.2	MAXI
534	275.8	-61.2	MAXI
537	275.8	-61.2	MAXI
540	275.9	-61.1	MAXI
543	275.9	-61.1	MAXI
546	275.9	-61.1	MAXI
549	275.9	-61	MAXI
552	275.9	-61	MAXI
555	276	-61	MAXI
558	276	-60.9	MAXI
561	276	-60.9	MAXI
564	276	-60.8	MAXI
567	276	-60.8	MAXI
570	276.1	-60.8	MAXI
573	276.1	-60.7	MAXI
576	276.1	-60.7	MAXI
579	276.1	-60.7	MAXI
582	276.1	-60.6	MAXI
585	276.2	-60.6	MAXI
588	276.2	-60.6	MAXI
591	276.2	-60.5	MAXI
594	276.2	-60.5	MAXI
597	276.2	-60.5	MAXI
600	276.2	-60.4	MAXI

15-WEL-050

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5					0	9.6	CASING														
10					9.6	10.6	8A	W	FOL	(BOULDER @ Surface) Salt&Pepper diorite. Coarse bt flecks defining weak foliation within a dominantly plag minor quartz groundmass. Med-coarse gr.											
15					10.6	23.3	1	LG	DI	Well foliated and locally intensely sheared 1. Looks like it could have sections of 6 or bt alt 2 as well; highly distorted. From 10.6-12.5m unit is well foliated and slightly carb altered. From 12.5-14.4m unit is intensely distorted, bt altered,	and quartz flooded. From 14.4-15.7m unit is well foliated and moderately bt altered. From 15.7-23.3m unit is intensely to mod sheared, intensely bt altered and has ~3% qtz-carb stringers. No mag no min.										
20																					
25					23.3	35.8	3F	G	FOL	Light to dark grey, well-foliated, bedded felsic tuff. Lapill thruout >2mm, intercalated with 6. Qtz sweats and small veins thruout ~ 3%.	Trace Po, locally thready.										
30																					
35					35.8	57.3		B	FOL	Grey-light brown, well-foliated metasediment (6). Local mod. biotized areas (1 - 6 cm) thruout. ~ 10% qtz-carb stringers, qtz sweats.	Trace po+py locally thruout, rarely wispy along laminae.										

15-WEL-050

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45					35.8	57.3		B	FOL	Grey-light brown, well-foliated metasediment (6). Local mod. biotized areas (1 - 6 cm) thruout. ~ 10% qtz-carb stringers, qtz sweats.	Trace po+py locally thruout, rarely wispy along laminae.										
50																					
55																					
60					57.3	65.6	1	LG	FOL	Light green-light grey, weakly fol - weakly distorted, weakly magnetic 1. Locally talcose and serpentenized. Gently folded. ~1% qtz-carb stringer. ~3cm qtz vein at contact with 6. One single spot with small blocky po min at 63.2m.											
65					65.6	67.2		B	FOL	Well foliated, brown-green 6. Weakly distorted from 65.6-66.2m. ~2% qtz-carb stringers. Diffuse LC with 3C. No apparent min.											
70					67.2	70.7	3C	GG	FOL	Well foliated, grey-green, intermediate-felsic lapilli tuff. Contains large rounded-sub rounded fragments that are somewhat flattened parallel to fol. Also contains lapilli 1-5mm. Matrix is often brown-green with bt-amph. No apparent min.											
75					70.7	165.8		G	FOL	Grey-light brown, fg, well-foliated, weakly sheared metasediment (6). Local mod. biotized areas (1 - 15cm) throughout. Intercalated patches of 3F and small patches that appear like mafic. ~10% qtz-crb stringers. 70.7-72m is heavily qtz flooded (~30%)	and mod altered with amph. Locally contains ~6mm grts in first ~15m of unit. Trace PO locally throughout, threads along laminae. Weak shearing throughout, but stronger from 142m to end of unit. 4F wisps become intercalated due to shallow angle. No mag.										

15-WEL-050

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					70.7	165.8		G	FOL	Grey-light brown, fg, well-foliated, weakly sheared metasediment (6). Local mod. biotized areas (1 - 15cm) throughout. Intercalated patches of 3F and small patches that appear like mafic. ~10% qtz-crb stringers. 70.7-72m is heavily qtz flooded (~30%)	and mod altered with amph. Locally contains ~6mm grts in first ~15m of unit. Trace PO locally throughout, threads along laminae. Weak shearing throughout, but stronger from 142m to end of unit. 4F wisps become intercalated due to shallow angle. No mag.										
105																					
110																					
115																					

15-WEL-050

Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					70.7	165.8		G	FOL	Grey-light brown, fg, well-foliated, weakly sheared metasediment (6). Local mod. biotized areas (1 - 15cm) throughout. Intercalated patches of 3F and small patches that appear like mafic. ~10% qtz-crb stringers. 70.7-72m is heavily qtz flooded (~30%)	and mod altered with amph. Locally contains ~6mm grts in first ~15m of unit. Trace PO locally throughout, threads along laminae. Weak shearing throughout, but stronger from 142m to end of unit. 4F wisps become intercalated due to shallow angle. No mag.										
145																					
150																					
155																					

15-WEL-050

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					70.7	165.8		G	FOL	Grey-light brown, fg, well-foliated, weakly sheared metasediment (6). Local mod. biotized areas (1 - 15cm) throughout. Intercalated patches of 3F and small patches that appear like mafic. ~10% qtz-crb stringers. 70.7-72m is heavily qtz flooded (~30%)	and mod altered with amph. Locally contains ~6mm grts in first ~15m of unit. Trace PO locally throughout, threads along laminae. Weak shearing throughout, but stronger from 142m to end of unit. 4F wisps become intercalated due to shallow angle. No mag.									
165					165.8	170.2	4F	B	BA	Brown-green-grey, fg-mg, banded, weakly porphyroblastic, well foliated, poorly developed 4F that is intercalated with metasediment. ~25% mg (1-6mm) grts within a fg bio matrix. This is intercalated by bands of sed or occasional green amph wisps.	Very strong micaceous component causing shimmering of areas. ~3% qtz-crb stringers and a larger qtz vein between 168.8-169m. Trace PO min and no mag. Sharp LC with mafic.									
170					170.2	171.2	2	DG	FOL	Dark green, fine grained, well foliated mafic volcanics with weak shearing. Bio altered (~10-15%) that is aligned with foliation. There is ~3-5% sub-parallel to foliation qtz-carb stringers. Sharp LC with 4F.										
					171.2	172.9	4F	B	BA	Brown-green-grey, fg-mg, banded, weakly porphyroblastic, well foliated, poorly developed 4F that is weakly intercalated with altered mafic. ~25% mg (1-6mm) grts within a fg bio matrix. This is intercalated by patchy green amph wisps that almost										
					172.9	173.3	2	DG	FOL	Dark green, fine grained, well foliated mafic volcanics with weak shearing. Bio altered (~10-15%) that is aligned with foliation. There is ~3-5% sub-parallel to foliation qtz-carb stringers. Sharp LC with 4F.	appear like localized 4E. Strong micaceous component causing shimmering in areas. ~3% qtz-crb stringers and trace PO min locally. Sharp LC with mafic.									
175					173.3	176.4	4F	B	BA	Brown-green-grey, fg-mg, banded, weakly porphyroblastic, well foliated, poorly developed 4F. ~20% mg (1-6mm) grts within a fg bio matrix. This is intercalated by patchy green amph wisps that almost appear like localized 4E.	Weaker 4F that in areas almost appears like a 6W. ~3% qtz-crb stringers and trace PO min locally.									
					176.4	181.2	2	DG	FOL	Dark green fine grained well foliated mafic volcanic rock. ~1-2% qtz/carb veining. No min seen. Contacts at very low angle to core axis.										
180																					
185																					
190					181.2	235.6	4F	G	POR BL	4F intercalated with minor 6 locally. ~15-20% med grained anhedral to subhedral grts in bio matrix. Local trace po min. Network of methane-like fractures from 217-226.6m. Drillers reported losing water @ 222m.										
195																					
200																					

15-WEL-050

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
					181.2	235.6	4F	G	POR BL	4F intercalated with minor 6 locally. ~15-20% med grained anhedral to subhedral grts in bio matrix. Local trace po min. Network of methane-like fractures from 217-226.6m. Drillers reported losing water @ 222m.												
220																					
225																					
230																					
235											In high strain zones, core becomes much greener due to higher % amph. Tr% po mineralization in some qtz veins. From 312-317m flecks of po with varying intensity seen.											
					235.6	329.5	2	G	FOL	Dark grey to light green, fine gr, foliated 2. Some weak mineralization in first 10 meters, non-magnetic otherwise. 2% qtz-carb veins, wide range of thickness (.2mm-2cm, and a few ~7cm). Two mod brittle faults near end of unit.												
240																					

15-WEL-050

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	E700315	243	244	0.025																	
	E700316	244	245	0.047																	
245	E700317	245	246	0.053																	
	E700318	246	247	0.03																	
	E700319	247	248	0.044																	
	E700321	248	249	0.049																	
	E700322	249	250	0.425																	
250	E700323	250	251	0.233																	
	E700324	251	252	0.08																	
	E700325	252	253	3.512																	
	E700326	253	254	0.057																	
	E700327	254	255	0.077																	
255	E700328	255	256	0.027																	
	E700329	256	257	0.028																	
	E700331	257	258	0.043																	
	E700332	258	259	0.032							In high strain zones, core becomes much greener due to higher % amph. Tr% po mineralization in some qtz veins. From 312-317m flecks of po with varying intensity seen.										
	E700333	259	260	0.066																	
260	E700334	260	261	0.06	235.6	329.5	2	G	FOL	Dark grey to light green, fine gr, foliated 2. Some weak mineralization in first 10 meters, non-magnetic otherwise. 2% qtz-carb veins, wide range of thickness (.2mm-2cm, and a few ~7cm). Two mod brittle faults near end of unit.											
	E700335	261	262	0.049																	
	E700336	262	263	0.068																	
	E700337	263	264	0.037																	
	E700338	264	265	0.024																	
265	E700339	265	266	0.058																	
	E700341	266	267	0.137																	
	E700342	267	268	0.225																	
	E700343	268	269	0.128																	
	E700344	269	270	0.278																	
270	E700345	270	271	0.039																	
	E700346	271	272	0.043																	
	E700347	272	273	0.024																	
	E700348	273	274	0.038																	
	E700349	274	275	0.104																	
275	E700351	275	276	0.097																	
	E700352	276	277	0.13																	
	E700353	277	278	0.197																	
	E700354	278	279	0.055																	
	E700355	279	280	0.057																	
280	E700356	280	281	0.03																	

15-WEL-050

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	E700356	280	281	0.03																	
	E700357	281	282	0.027																	
	E700358	282	283	0.028																	
	E700359	283	284	0.048																	
	E700361	284	285	0.068																	
285	E700362	285	286	0.146																	
	E700363	286	287	0.066																	
	E700364	287	288	0.232																	
	E700365	288	289	0.019																	
	E700366	289	290	0.068																	
290	E700367	290	291	0.011																	
	E700368	291	292	0.068																	
	E700369	292	293	0.059																	
	E700371	293	294	0.124																	
	E700372	294	295	0.012																	
295	E700373	295	296	0.038																	
	E700374	296	297	0.001																	
	E700375	297	298	0.011																	
	E700376	298	299	0.03																	
	E700377	299	300	0.014																	
300	E700378	300	301	0.011	235.6	329.5	2	G	FOL	Dark grey to light green, fine gr, foliated 2. Some weak mineralization in first 10 meters, non-magnetic otherwise. 2% qtz-carb veins, wide range of thickness (.2mm-2cm, and a few ~7cm). Two mod brittle faults near end of unit.	In high strain zones, core becomes much greener due to higher % amph. Tr% po mineralization in some qtz veins. From 312-317m flecks of po with varying intensity seen.										
	E700379	301	302	0.109																	
	E700381	302	303	0.032																	
	E700382	303	304	0.073																	
	E700383	304	305	0.015																	
305	E700384	305	306	0.001																	
	E700385	306	307	0.001																	
	E700386	307	308	0.001																	
	E700387	308	309	0.001																	
	E700388	309	310	0.016																	
310	E700389	310	311	0.001																	
	E700391	311	312	0.034																	
	E700392	312	313	0.021																	
	E700393	313	314	0.045																	
	E700394	314	315	0.201																	
315	E700395	315	316	0.614																	
	E700396	316	317	1.64																	
	E700397	317	318	0.05																	
	E700398	318	319	0.023																	
	E700399	319	320	0.012																	
320	E700401	320	321	0.019																	

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	E700401	320	321	0.019	235.6	329.5	2	G	FOL	Dark grey to light green, fine gr, foliated 2. Some weak mineralization in first 10 meters, non-magnetic otherwise. 2% qtz-carb veins, wide range of thickness (.2mm-2cm, and a few ~7cm). Two mod brittle faults near end of unit.	In high strain zones, core becomes much greener due to higher % amph. Tr% po mineralization in some qtz veins. From 312-317m flecks of po with varying intensity seen.									
	E700402	321	322	0.07																
	E700403	322	323	0.063																
	E700404	323	324	0.201																
	E700405	324	325	0.011																
325	E700406	325	326	0.158																
	E700407	326	327	0.09																
	E700408	327	328	0.043																
	E700409	328	329	0.001																
	E700411	329	329.5	0.001																
330	E700412	329.5	330	0.001	329.5	366.6	4F		POR BL	Grey-maroon, med gr, porphyroblastic, non-magnetic 4F. ~75% med grained garnets (~2mm). A small moderate brittle fault seen from 361.8-361.8m. A couple weak-moderate folds seen throughout.	Silica flooding appearing as distorted bands from 340.2-342m with flecks of po mineralization throughout. Local po mineralization up to 7%, but majority is tr%.									
	E700413	330	331	0.012																
	E700414	331	332	0.02																
	E700415	332	333	0.001																
	E700416	333	334	0.019																
	E700417	334	335	0.019																
335	E700418	335	336	0.02																
	E700419	336	337	0.022																
	E700421	337	338	0.037																
	E700422	338	339	0.023																
	E700423	339	340	1.589																
340	E700424	340	341	1.172																
	E700425	341	341.5	0.377																
	E700426	341.5	342	2.158																
	E700427	342	342.4	2.667																
	E700428	342.4	343	0.348																
	E700429	343	344	0.081																
	E700431	344	345	0.042																
345	E700432	345	346	0.048																
	E700433	346	347	0.029																
	E700434	347	348	0.036																
	E700435	348	349	0.043																
	E700436	349	350	0.168																
350	E700437	350	351	0.242																
	E700438	351	352	0.189																
	E700439	352	353	0.062																
	E700441	353	354	0.062																
	E700442	354	355	0.024																
355	E700443	355	356	0.051																
	E700444	356	357	0.035																
	E700445	357	358	0.022																
	E700446	358	359	0.021																
	E700447	359	360	0.028																
360	E700448	360	361	0.021																

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	E700448	360	361	0.021																	
	E700449	361	362	0.025							Silica flooding appearing as distorted bands from 340.2-342m with flecks of po mineralization throughout. Local po mineralization up to 7%, but majority is tr%.										
	E700451	362	363	0.027																	
	E700452	363	364	0.019	329.5	366.6	4F		POR BL	Grey-maroon, med gr, porphyroblastic, non-magnetic 4F. ~75% med grained garnets (~2mm). A small moderate brittle fault seen from 361.8-361.8m. A couple weak-moderate folds seen throughout.											
	E700453	364	365	0.022																	
365	E700454	365	366	0.021																	
	E700455	366	366.6	0.387																	
	E700456	366.6	367	0.138																	
	E700457	367	368	0.079	366.6	369	4E	GG	POR BL	Grey-green, foliated-porphryoblastic, non-magnetic 4E. ~10% med grain garnet, .3-1cm. Groundmass looks like volcanic texture, but garnets at contact indicate that it is 4E. No mineralization.											
	E700458	368	369	0.046																	
	E700459	369	370	0.078																	
370	E700461	370	371	0.025																	
	E700462	371	372	0.027																	
	E700463	372	373	0.044																	
	E700464	373	374	0.045																	
	E700465	374	375	0.058	369	380.3	4F	G	POR BL	Grey-maroon, porphyroblastic, non-magnetic 4F. ~600% med grain garnets, 1-3mm. Foliation begins flipping at 378m, but doesn't fully switch until next unit. Minor local py mineralization (up to 1%).											
375	E700466	375	376	0.024																	
	E700467	376	377	2.134																	
	E700468	377	378	0.125																	
	E700469	378	379	0.118																	
	E700471	379	380	0.096																	
380	E700472	380	380.3	0.052																	
	E700473	380.3	381	0.05																	
	E700474	381	382	0.05							~5% carb +qtz veinlets. Tr% diss Po+ minor Py.										
	E700475	382	383	0.261	380.3	385	4FE		POR BL	Dark brown-maroon-green, porphyroblastic, non-magnetic moderately developed gar-bio (4F) with intercalated gar-green amph (4E) bands. 4F is composed of 20-30% fg-mg, locally aligned gar studding a bio matrix. 2-10cm wide 4E bands with ~35% mg gar. Greyish brown-maroon, porphyroblastic, no-magnetic mod-poorly developed gar-bio (4F). 5-15% mg garnets studding bio rich matrix. In some spots unit appears to be a borderline garnetiferous meta-sediment.	High strain zones from 385-386.2 & 387.5-388.2m with intense carb veining. 2-5% Po from 387.5-388.2m.								
	E700476	383	384	0.582																	
	E700477	384	385	0.036																	
385	E700478	385	386	0.029																	
	E700479	386	387	0.072	385	388.2	4F		POR BL	Dark green, fg, well foliated non-magnetic mafic volcanic (2). Strong green amph and bio alt with well-defined bio grains defining FOL. ~2% qtz-carb veinlets with light green amph alt halos. FOL gradually flips within unit with upper and lower contacts flipping 180. Minor diss Po at diffuse lower contact with 2T.				M					
	E700481	387	387.5	0.019																	
	E700482	387.5	388.2	5.583																	
	E700483	388.2	389	1.13	388.2	389	2		FOL	Dark brownish grey, very well foliated-sheared, non-magnetic bio/carb altered mafic volcanic (2T). Intense bio alt with groundmass almost completely composed of very fine bio forming segregated layers. Unit could be a meta-sediment but has a	more mafic texture. ~50% sugary carb veining. ~5% Po stringers.										
	E700484	389	389.9	11.07	389	389.9	2T		FOL												
390	E700485	389.9	390.9	0.552																	
	E700486	390.9	391.9	0.103																	
	E700487	391.9	392.5	2.876																	
	E700488	392.5	393.5	0.219																	
	E700489	393.5	394.5	0.027																	
395	E700491	394.5	395.5	0.613	389.9	403.9	2		FOL	Dark green, fg, well foliated (FOL runs down Core Axis), non-magnetic mafic volcanic (2). Strong green amph alt, mod bio alt with increased bio alt in the vicinity of qtz veining. ~5% qtz -carb veinlets with light green amph alt halos with increased	very low angle qtz-carb veining from 397.2-401m. Tr% very fine diss Po.										
	E700492	395.5	396.5	0.247																	
	E700493	396.5	397.2	0.802																	
	E700494	397.2	398.2	1.236																	
	E700495	398.2	399	0.109																	
	E700496	399	400	0.115																	
400	E700497	400	401	0.145																	

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Assay				MAJOR UNIT						MINOR UNIT		ALTERATION							
Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
E700497	400	401	0.145																	
E700498	401	402	0.086	389.9	403.9	2		FOL	Dark green, fg, well foliated (FOL runs down Core Axis), non-magnetic mafic volcanic (2). Strong green amph alt, mod bio alt with increased bio alt in the vicinity of qtz veining. ~5% qtz -carb veinlets with light green amph alt halos with increased	very low angle qtz-carb veining from 397.2-401m. Tr% very fine diss Po.										
E700499	402	403	0.047																	
E700501	403	403.9	0.321																	
E700502	403.9	404.4	3.843	403.9	407.9	2T		FOL	Dark brownish to greenish grey, very well foliated-sheared, non-magnetic bio/carb altered mafic volcanic (2T). Intense bio alt, with fg bio defining FOL on core surface and when core is broken bio is seen forming segregated layers. ~30% sugary carb	veining. Strong carb overprinting. Locally up to 3% fine stringers. (looks like SPUR Zone).			S	S						
E700503	404.4	405	9.55																	
E700504	405	405.5	1.607																	
E700505	405.5	406	0.665																	
E700506	406	406.5	2.165																	
E700507	406.5	407.2	7.859																	
E700508	407.2	407.9	1.627																	
E700509	407.9	408.7	0.183	407.9	411.3	2		FOL	Dark green, fg, well foliated, non-magnetic mafic volcanic (2). Strong green amph and bio alt, local weak carb overprinting. ~3% qtz -carb veinlets and sugary carb veins. Tr% very fine diss Po.											
E700511	408.7	409.7	0.29																	
E700512	409.7	410.7	0.034																	
E700513	410.7	411.3	0.041																	
E700514	411.3	412.2	0.881	411.3	412.2	2T		FOL	Small interval of dark brownish to greenish grey, very well foliated-sheared, non-magnetic bio/carb altered mafic volcanic (2T). Very similar to 2T above. Intense bio alt, and carb overprinting. ~20% sugary carb veining. ~1% fine stringers.				S	S						
E700515	412.2	413.2	0.124	412.2	417.2	2		FOL	Dark green-dark greenish grey, fg, well foliated non-magnetic mafic volcanic (2). Strong green amph and bio alt, local moderate carb overprinting. ~15% qtz -carb and carb veining ~.5% diss Po generally associated with qtz veins..											
E700516	413.2	414.2	0.269																	
E700517	414.2	415.2	1.911																	
E700518	415.2	416.2	2.247																	
E700519	416.2	417.2	0.32																	
E700521	417.2	417.7	8.731	417.2	419.1	2T		FOL	Dark greenish grey, sheared, non-magnetic, bio/carb altered mafic volcanic (2T). Intense sugary carb and qtz carb veining. Sheared lower contact with altered 4F. Very well mineralized.				S	S						
E700522	417.7	418.5	7.397																	
E700523	418.5	419.1	13.63																	
E700524	419.1	420	7.26	419.1	435.9	4F		POR BL	Dark brown-maroon, porphyroblastic, non-magnetic moderately-well developed gar-bio (4F). ~50% fg-mg garnets studding bio rich matrix, with local gar concentrations forming poorly defined bands. Minor 1-3cm wide 4E bands with weak grunerite alt.	From UC to 420m the 4F looks more like a garnetiferous meta sed and is sheared with intense qtz-carb veining, carb overprinting, and is well mineralized.								
E700525	420	421	1.558																	
E700526	421	422	0.072																	
E700527	422	423	0.062																	
E700528	423	424	0.036																	
E700529	424	425	0.043																	
E700531	425	425.6	0.029																	
E700532	425.6	426.1	0.174																	
E700533	426.1	427	0.068							About half a dozen bands of grt-bt that are ~1cm wide. Local Po mineralization up to 1%.										
E700534	427	428	0.04																	
E700535	428	429	0.058							Two 10 cm groupings of qtz clasts (3-5cm long). Local Po mineralization up to 5% in fg diss, blebs and wisps.										
E700536	429	430	0.04																	
E700537	430	431	0.754																	
E700538	431	432	0.056																	
E700539	432	433	0.022																	
E700541	433	434	0.03																	
E700542	434	435	0.033																	
E700543	435	435.9	0.04																	
E700544	435.9	436.8	0.089	435.9	436.8	4E		POR BL	Green-maroon-grey, porphyroblastic, partially magnetic 4E. Magnetism occurs in bands 2-3cm wide. 50% qtz veins that are not uniform, but rather patchy with intermixed amph. ~40% mgr to cgr grts (0.3-0.7cm) in amph matrix. Dark green, fg, very well foliated, locally porphryoblastic, non-magnetic garnetiferious metasediment (6). 2-4% mgr grts (0.2-0.4cm). Strong green amph alt (possible poorly formed 4E).	In last 20cm of unit, edges of amph and bt bands have grt-gru on edges. Unit doesn't have well-defined folds, but bands are all moderately wavy. Local minor Po mineralization up to 3%.								
E700545	436.8	437.6	0.027	436.8	440.3	6W	G	FOL	Grey-maroon-green, porphyroblastic, non-magnetic 4FE. ~30% mgr grts (0.2-0.5cm) in bt groundmass. ~20% bands of grt in amph varying in size from 2-15cm. Few well-defined bands of grt in bt matrix (~1cm wide). ~2% chert in very distorted bands.										
E700546	437.6	438.6	0.01																	
E700547	438.6	439.4	0.013																	
E700548	439.4	440.3	0.014					POR BL												
E700549	440.3	441	0.001	440.3	442.6	4FE														

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	E700549	440.3	441	0.001	440.3	442.6	4FE		POR BL	Grey-maroon-green, porphyroblastic, non-magnetic 4FE. ~30% mgr grts (0.2-0.5cm) in bt groundmass. ~20% bands of grt in amph varying in size from 2-15cm. Few well-defined bands of grt in bt matrix (~1cm wide). ~2% chert in very distorted bands.	In last 20cm of unit, edges of amph and bt bands have grt-gru on edges. Unit doesn't have well-defined folds, but bands are all moderately wavy. Local minor Po mineralization up to 3%.									
	E700551	441	441.8	0.028																	
	E700552	441.8	442.6	0.022																	
	E700553	442.6	443	0.021	442.6	458.4	4F		POR BL	Maroon-grey, porphyroblastic, non-magnetic 4F. ~70% mgr grt (0.1-0.4cm) in very poorly defined bands. ~3% grt in amph bands (1-2cm and two 10cm bands). ~7% gru bands that are mostly 1-2cm wide. Gru is most abundant in part of unit that is more folded.	Minor to intense folds throughout the unit, but most intense folding is from 449.2-453m. Minor to moderate local Po mineralization in wisps, up to 7%.									
	E700554	443	444	0.019																	
	E700555	444	445	0.077																	
445	E700556	445	446	0.028																	
	E700557	446	447	0.019																	
	E700558	447	447.7	0.263																	
	E700559	447.7	448.1	0.04																	
	E700561	448.1	449	0.037																	
	E700562	449	450	0.04																	
450	E700563	450	451	0.039																	
	E700564	451	451.5	0.024																	
	E700565	451.5	452.2	0.027																	
	E700566	452.2	452.5	1.002																	
	E700567	452.5	453	0.109																	
	E700568	453	453.7	0.021																	
	E700569	453.7	454.1	0.084																	
455	E700571	454.1	455	0.04																	
	E700572	455	455.7	0.029																	
	E700573	455.7	456.2	0.485																	
	E700574	456.2	457	0.298																	
	E700575	457	458	0.039																	
	E700576	458	458.4	0.027																	
	E700577	458.4	459	0.05	458.4	459	4E	GG	FOL	Green-grey, foliated, non-magnetic 4E. ~10% mgr grts (0.1-0.5cm) in amph groundmass. ~10% qtz-carb veins (~0.4cm wide). Tr% Po mineralization.											
	E700578	459	460	0.024	459	462	4F		POR BL	Maroon-grey, porphyoblastic, non-magnetic 4F. ~40% fgr-cgr grts (0.2-1cm). ~15% qtz in very distorted bands. Near UC, unit is 50% poorly defined bands of amph. In last metre of unit, grt density lessens and becomes ~5%. Local tr% Po mineralization.										
460	E700579	460	461	0.044																	
	E700581	461	462	0.03																	
	E700582	462	463	0.036	462	470.4	2	GG	FOL	Grey-green, fine gr, very well foliated, non-magnetic mafic volcanic (2). Strong green amph alt. 5-10% local areas of biotization in ~5-10cm wide bands. Patchy beige colours ragged veins or clasts from 466-467m. Local minor folds.	Foliation flips twice in last 3m of unit. No mineralization.										
	E700583	463	464	0.063																	
	E700584	464	465	0.023																	
465	E700585	465	466	0.014																	
	E700586	466	467	0.027																	
	E700587	467	468	0.016																	
	E700588	468	469	0.011																	
	E700589	469	470	0.028																	
470	E700591	470	470.4	0.037																	
	E700592	470.4	471.4	0.022	470.4	479.3	4F		POR BL	Maroon-dark brown, porphyroblastic, non-magnetic 4F. $f consists of ~65% mg-cg gar in a fg bio groundmass.~10% intercalated, low angle, folded bands of 4E (3-8cm wide) with fine grun alt aling egdes. About 6 bands of grt in gru (~0.5cm wide), that are	separate from bands of amph. Local moderate to intense folds throughout unit. Foliation is flipped from normal in this unit, but can be hard to interpret because of intense folding and the low angle nature banding. No mineralization.									
	E700593	471.4	472.4	0.66																	
	E700594	472.4	473.4	2.598																	
	E700595	473.4	474.4	0.048																	
475	E700596	474.4	475.4	0.045																	
	E700597	475.4	476.4	0.033																	
	E700598	476.4	477.4	0.036																	
	E700599	477.4	478.4	0.033																	
	E700601	478.4	479.3	0.059																	
	E700602	479.3	480	0.035	479.3	486	2		FOL	Greeny, well foliated, non-magnetic mafic volcanic (2). string green amph alt, patchy mod bio alt. Intercalated 8-12cm very low angle bands of 4E and 4F thoughout. Looking at inside of core suggests these are not actually "bands", but rather	core is drilled along contacts. Grts within bands of 4E and 4F are fgr-cgr (0.1-0.7cm). ~5% qtz-carb veins (1-12cm wide). No mineralization.									
480	E700603	480	481	0.033																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	E700603	480	481	0.033																	
	E700604	481	482	0.049																	
	E700605	482	483	0.049																	
	E700606	483	484	0.047	479.3	486	2		FOL	Greeny, well foliated, non-magnetic mafic volcanic (2). string green amph alt, patchy mod bio alt. Intercalated 8-12cm very low angle bands of 4E and 4F thoughout. Looking at inside of core suggests these are not actually "bands", but rather	core is drilled along contacts. Grts within bands of 4E and 4F are fgr-cgr (0.1-0.7cm). ~5% qtz-carb veins (1-12cm wide). No mineralization.										
	E700607	484	485	0.039																	
485	E700608	485	486	0.059																	
	E700609	486	487	0.075																	
	E700611	487	488	0.047																	
	E700612	488	489	0.046	486	492	4F		POR BL	Maroon-dark-brown, porphyroblastic, non-magnetic well developed 4F. ~70% mgr grts (0.3-0.5cm). In middle of unit, there is a 12cm band of 4E. No mineralization.											
	E700613	489	490	0.064																	
490	E700614	490	491	0.042																	
	E700615	491	492	0.27																	
	E700616	492	493	0.048																	
	E700617	493	494	0.025	492	495.4	4EF		DI	White-grey-green, distorted, non-magnetic 4EF. Unit is ~50% 4E and ~50% 4F. Unit is also intensely silica flooded which causes distortion. ~20% fgr-cgr grts (0.2-1.5cm), but silica flooding makes it difficult to determine exact %.	Small group of 4 knife faults from 493.9-494m with a 0.5cm displacement. Tr% diss Po mineralization.										
	E700618	494	494.5	0.001																	
495	E700619	494.5	495.4	0.034																	
	E700621	495.4	496.1	0.035	495.4	496.1	4F		POR BL	Maroon-dark brown, porphyroblastic, non-magnetic 4F. ~60% fgr-cgr grts (0.2-2cm). No mineralization.											
	E700622	496.1	497	0.032																	
	E700623	497	498	0.025																	
	E700624	498	499	0.021	496.1	501.4	2	GG	FOL	Green-greenish grey, fine gr,well foliated, non-magnetic mafic volcanic (2). ~20% qtz-carb veins, ranging from 2-10cm wide. A fair amount of qtz-carb veins are distorted. Minor local folds seen. Local minor-moderate Po mineralization in wisps and bands,	up to 10%.										
	E700625	499	500	0.022																	
500	E700626	500	500.8	0.026																	
	E700627	500.8	501.4	0.025																	
	E700628	501.4	502	0.012																	
	E700629	502	503	0.032																	
	E700631	503	504	0.043	501.4	505.5	4F		POR BL	Maroon-grey, porphyroblastic, non-magnetic 4F. ~60% fgr-cgr grts (0.1-1cm) locally allinged in a bt groundmass. LC is based on where grts end, but grts become sparse here and make contact gradational. Local minor diss Po mineralization.											
	E700632	504	505	0.017																	
505	E700633	505	505.5	0.551																	
	E700634	505.5	506	0.027																	
	E700635	506	507	0.019	505.5	508.3	2	G	FOL	Green, fine gr, foliated, non-magnetic mafic volcanic (2). Strong green amph alt, local sections of wispy ~5cm wide biotization. Local minor diss Po mineralization.											
	E700636	507	508	0.033																	
	E700637	508	508.3	0.02																	
	E700638	508.3	509	0.669																	
	E700639	509	510	1.487	508.3	510.8	4EF		POR BL	Green-maroon- dark brown, porphyroblastic, banded, non-magnetic 4EF. ~50% fgr-cgr grts (0.2-1cm). ~60% 4E, however hard to distinguish between 4E & 4F due to diffuse contacts between the bio nd green amp groundmass . Local minor to moderate	Po mineralization, up to 15%.										
510	E700641	510	510.8	0.123																	
	E700642	510.8	511.4	0.283																	
	E700643	511.4	512.4	0.074	510.8	513.4	2	G	FOL	Green, fine gr, foliated, non-magnetic mafic volcanic (2). ~1% qtz-carbs veins (~0.5cm wide). One 4cm band of grt-bt (grts are ~0.7cm wide). No mineralization.											
	E700644	512.4	513.4	0.065																	
	E700645	513.4	514	0.028																	
	E700646	514	515	0.042																	
515	E700647	515	516	0.104	513.4	518.3	4F		POR BL	Dark brown-maroon, porphyroblastic, non-magnetic, well developed 4F. ~60% mg garnet in a bio matrix with local gar concentrations defining weak banding. Gradational lower contact with 4EF downhole. Nil Min.											
	E700648	516	517	0.064																	
	E700649	517	517.7	0.048																	
	E701676	517.7	518.3	0.046																	
	E701677	518.3	519.3	0.134						Green-marron-dark brown, banded, porphyroblastic, non-magnetic interbedded moderately developed 4E and poor to moderately developed 4F. 10-20% mg garnets in a well (low angle) foliated green amph matrix. 4F banding is very low angle	with drillhole appearing to be drilling along a 4E-4F contact. Local folding. Nil Min.										
	E701678	519.3	520.3	0.083	518.3	524.3	4EF		POR BL												
520	E701679	520.3	521.3	0.05																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	E701679	520.3	521.3	0.05	518.3	524.3	4EF		POR BL	Green-marron-dark brown, banded, porphyroblastic, non-magnetic interbedded moderately developed 4E and poor to moderately developed 4F. 10-20% mg garnets in a well (low angle) foliated green amph matrix. 4F banding is very low angle	with drillhole appearing to be drilling along a 4E-4F contact. Local folding. Nil Min.										
	E701681	521.3	522.3	0.163																	
	E701682	522.3	523.3	0.047																	
	E701683	523.3	524.3	0.035																	
	E701684	524.3	525	0.039	524.3	526.4	4F		POR BL	Dark brown-maroon, porphyroblastic, non-magnetic, well developed 4F. ~50% mg garnet in a bio matrix.											
525	E701685	525	526	0.047																	
	E701686	526	526.4	0.088																	
	E701687	526.4	527.4	0.042	526.4	530.3	4E		POR BL	Buff green-maroon, very well foliated-porphyroblastic, non-magnetic poorly developed gar-amph 4E. 5-10% mg gar porph in a highly foliated green amph matrix. The green amph groundmass is altered with wispy of bio and patchy actinolite.	Fine Po and Cpy stringers.										
	E701688	527.4	528.4	0.024																	
	E701689	528.4	529.4	0.054																	
530	E701691	529.4	530.3	0.016																	
	E701692	530.3	531	0.041	530.3	533.4	2U		FOL	Buff greyish green, fg, well foliated, non-magnetic, strongly altered, garnet bearing meta-volcanic (2U). Unit is moderately silicified with very strong green amph alt, patchy zones of wispy bio alt and~5% mg gar porph. It is possible the unit is a meta	sediment with.2-.4cm white qtz blebs from 531-232 (sweats?). ~.5% fine Po stringers.										
	E701693	531	532	0.03																	
	E701694	532	533	0.04																	
	E701695	533	533.4	0.023																	
	E701696	533.4	534	0.035	533.4	544	4FE		POR BL	Dark brown-maroon-green, porphyroblastic, banded, non-magnetic 4FE. Majority of unit consists of 50% mg gar in a fg bio matric. ~20% 5-20cm wide 4E bands with ~20% mg gar porph. 4E bands are generally folded within the 4F. 5-7% .5-2cm	wide qtz veining. Overall .5% diss and stringer Po with increased Min (~2%) from 540-4542m.										
	E701697	534	535	0.039																	
535	E701698	535	536	1.005																	
	E701699	536	537	0.08																	
	E701701	537	538	0.201																	
	E701702	538	539	0.033																	
	E701703	539	540	2.279																	
540	E701704	540	541	0.869																	
	E701705	541	542	0.654																	
	E701706	542	543	0.067																	
	E701707	543	544	0.072																	
	E701708	544	545	0.036	544	545.8	6B		DI	Green-maroon, porphyroblastic, non-magnetic, clastic gar-amph (4E). ~40% fg-mg gar in a green amph + bio matrix. 10-20% subrounded-rounded .3-2cm wide qtz clasts aligned with FOL. Qtz clasts could be the result of intense boudinaged qtz	veining or are actual clasts (conglomerate). Sharp UC with clasts aligned perpendicular to to 4F banding above. (makes a stronger case for true conglomerate?) 2-3% fg diss Po and minor stringers.										
545	E701709	545	545.8	0.031																	
	E701711	545.8	546.3	0.019	545.8	554	4F		POR BL	Dark brown-maroon, porphyroblastic, non-magnetic, moderately developed 4F. ~50% fg-mg gar in a fg bio matrix. Minor 2-5cm wide 4E bands throughout. Sporadic .2-1cm rounded qtz clasts. ~5% .5-3cm wide qtz veining with green amph along	vein margins. Very gradational/sheared lower contact. ~1% stringer and diss Po										
	E701712	546.3	547	0.022																	
	E701713	547	548	0.027																	
	E701714	548	549	0.032																	
	E701715	549	550	12.87																	
550	E701716	550	551	0.153																	
	E701717	551	552	0.055																	
	E701718	552	553	0.025																	
	E701719	553	554	0.051																	
	E701721	554	555	0.016	554	567.3	2H		FOL	Green, fg, foliated, non-magnetic, locally clastic mafic volcanic tuff (2H). Mod green amph alt, local mod bio alt. ~2% qtz-carb veins and fine carb stringers. .5-3cm wide, rounded, buff grey, almost cherty clasts. Clasts are present in altered/shered	zone (554-555m). Nil Min.										
555	E701722	555	556	0.027																	
	E701723	556	557	0.027																	
	E701724	557	558	0.022																	
	E701725	558	559	0.019																	
	E701726	559	560	0.015																	
560	E701727	560	561	0.013																	

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Assay				MAJOR UNIT						MINOR UNIT		ALTERATION							
Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
E701727	560	561	0.013	554	567.3	2H		FOL	Green, fg, foliated, non-magnetic, locally clastic mafic volcanic tuff (2H). Mod green amph alt, local mod bio alt. ~2% qtz-carb veins and fine carb stringers. .5-3cm wide, rounded, buff grey, almost cherty clasts. Clasts are present in altered/shered	zone (554-555m). Nil Min.										
E701728	561	562	0.031																	
E701729	562	563	0.018																	
E701731	563	564	0.039																	
E701732	564	565	0.023																	
E701733	565	566	0.046																	
E701734	566	566.7	0.031																	
E701735	566.7	567.3	0.034																	
E701736	567.3	568	0.053	567.3	579.6	4F		POR BL	Dark brown-maroon, porphyroblastic, non-magnetic, well developed 4F. ~50% cg grading to mg gar in a fg bio matrix. Weak distorted folding from 651-573m. ~5% .5-3cm wide qtz veining. Weak grunerite alt banding throughout. Tr% diss Po.										
E701737	568	569	0.022																	
E701738	569	569.7	0.038																	
E701739	569.7	570.7	0.071																	
E701741	570.7	571.7	0.038																	
E701742	571.7	572.7	0.029																	
E701743	572.7	573.7	0.028																	
E701744	573.7	574.7	0.096																	
E701745	574.7	575.7	0.124																	
E701746	575.7	576.7	3.263																	
E701747	576.7	577.7	1.161																	
E701748	577.7	578.7	0.08																	
E701749	578.7	579.6	0.044																	
E701751	579.6	580.2	0.045	579.6	580.2	4E		BA	Small interval of green-grey-maroon, banded, magnetic 4E. Alternating .5-1cm wide bands of green amph+gar and chert+magnetite. ~15% mg gar. ~5% 1cm wide qtz veining parallel to banding. ~.5% diss and minor stringer Po.										
E701752	580.2	581	0.075	580.2	592.3	4FE		BA	Grey-maroon, banded ad porphyroblastic, partially magnetic 4FE. ~30% bands of 4E (1-4cm). Bands of 4E are grt-amph with mod gru alteration. These bands are weakly magnetic. ~70% fgr-mgr grts (<0.4cm). At 591.3, unit grades into poorly developed 4F.	No mineralization.									
E701753	581	582	0.025																	
E701754	582	583	0.016																	
E701755	583	584	0.032																	
E701756	584	585	0.016																	
E701757	585	586	0.025																	
E701758	586	587	0.014																	
E701759	587	588	0.026																	
E701761	588	589	0.056																	
E701762	589	590	0.037						Grey-maroon-beige-blue, banded, magnetic moderately developed 4EA, borderline 4E. Alternating bands of chert-magnetite and grt in different groundmasses, 1-3cm wide. ~15% grt-bt, ~15% grt-amph, ~20% grt-gru, ~50% chert-magnetite.										
E701763	590	591																		
E701764	591	591.4	0.044																	
E701765	591.4	592.3	0.035																	
E701766	592.3	592.7	0.049																	
E701767	592.7	593	0.042																	
E701768	593	593.7	0.3	592.3	594.7	4EA		BA	Grey-maroon, banded and porphyroblastic, partially magnetic 4FB. ~15% magnetic chert-magnetite bands, 1-2cm wide. ~70% fgr-mgr grts (<0.4cm) in bt groundmass. No mineralization.	Tr% po mineralization, blebs and diss.										
E701769	593.7	594.1	0.054																	
E701771	594.1	594.7	0.149																	
E701772	594.7	595.6	0.047	594.7	595.6	4FB		BA	Green-grey-beige, banded, magnetic 4E. ~15% chert-magnetite (0.5-1cm). ~20% fgr-mgr grts (<0.4cm). ~10% bands of grt-bt (1-2cm wide). No mineralization.											
E701773	595.6	596	0.063	595.6	596.7	4E		BA												
E701774	596	596.7	0.016																	
E701775	596.7	597	0.039																	
E701776	597	598	0.023	596.7	600	4FB		BA	Grey-maroon, banded and porphyroblastic, partially magnetic 4FB. ~30% magnetic chert-magnetite bands, 1-2cm wide. ~70% fgr-mgr grts (<0.4cm) in bt groundmass. Local minor folds. No mineralization.											
E701777	598	599	0.014																	
E701778	599	600	0.029																	
			0.013																	

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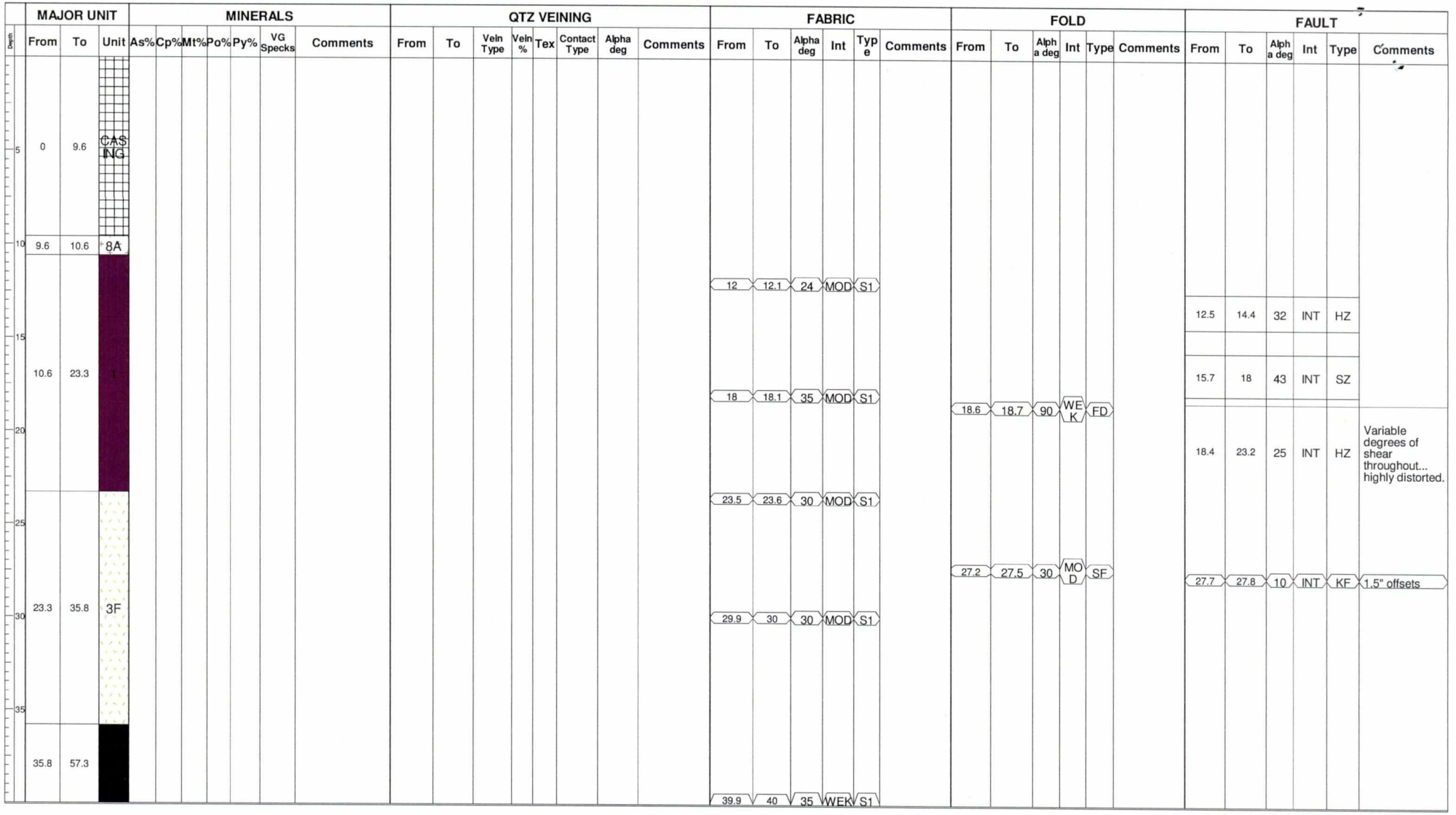

MAJOR UNIT

From	To	Unit
0	9.6	CASING
9.6	10.6	8A
10.6	23.3	1
23.3	35.8	3F
35.8	57.3	

MINERALS

As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments

QTZ VEINING

From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments

FABRIC

From	To	Alpha deg	Int	Type	Comments
12	12.1	24	MOD	S1	
18	18.1	35	MOD	S1	
23.5	23.6	30	MOD	S1	
29.9	30	30	MOD	S1	
39.9	40	35	WEK	S1	

FOLD

From	To	Alpha deg	Int	Type	Comments
18.6	18.7	90	WEK	FD	
27.2	27.5	30	MOD	SF	

FAULT

From	To	Alpha deg	Int	Type	Comments
12.5	14.4	32	INT	HZ	
15.7	18	43	INT	SZ	
18.4	23.2	25	INT	HZ	Variable degrees of shear throughout... highly distorted.
27.7	27.8	10	INT	KF	1.5" offsets

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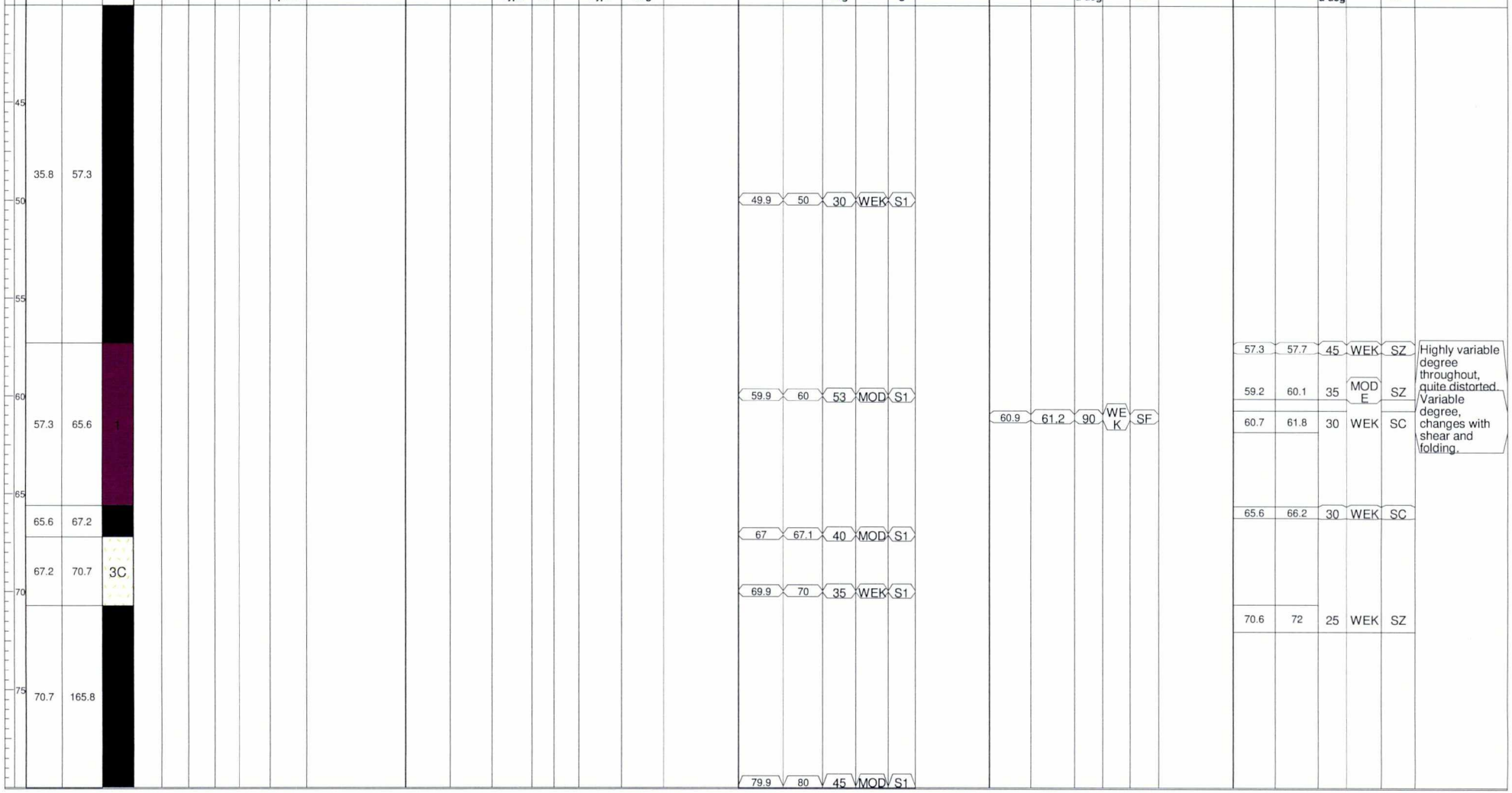

MAJOR UNIT			MINERALS							QTZ VEINING								FABRIC						FOLD						FAULT					
Depth	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments
	35.8	57.3																	49.9	50	30	WEK	S1													
	57.3	65.6	1																59.9	60	53	MOD	S1		60.9	61.2	90	WEK	SF		57.3	57.7	45	WEK	SZ	Highly variable degree throughout, quite distorted.
																															59.2	60.1	35	MODE	SZ	
																															60.7	61.8	30	WEK	SC	Variable degree, changes with shear and folding.
	65.6	67.2																	67	67.1	40	MOD	S1								65.6	66.2	30	WEK	SC	
	67.2	70.7	3C																69.9	70	35	WEK	S1													
	70.7	165.8																	79.9	80	45	MOD	S1								70.6	72	25	WEK	SZ	

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MAJOR UNIT

Depth	From	To	Unit
85			
90			
95			
100	70.7	165.8	
105			
110			
115			

MINERALS

As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments

QTZ VEINING

From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments

FABRIC

From	To	Alpha deg	Int	Type	Comments
90	90.1	35	MOD	S1	
100	100.1	22	MOD	S1	
110	110.1	35	INT	S1	

FOLD

From	To	Alpha deg	Int	Type	Comments

FAULT

From	To	Alpha deg	Int	Type	Comments
81.4	82.2	40	WEK	HZ	

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Depth	MAJOR UNIT			MINERALS								QTZ VEINING								FABRIC						FOLD							FAULT					
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments		From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments		From	To	Alpha deg	Int	Type	Comments
																				120	120.1	30	INT	S1													
125																																					
130																				130	130.1	40	MOD	S1													
135																																					
140	70.7	165.8					1			Diss										140	140.1	35	MOD	S1													
																																142	144.1	35	MOD E	SZ	
145																																					
150																				150	150.1	25	INT	S1													
155																																					

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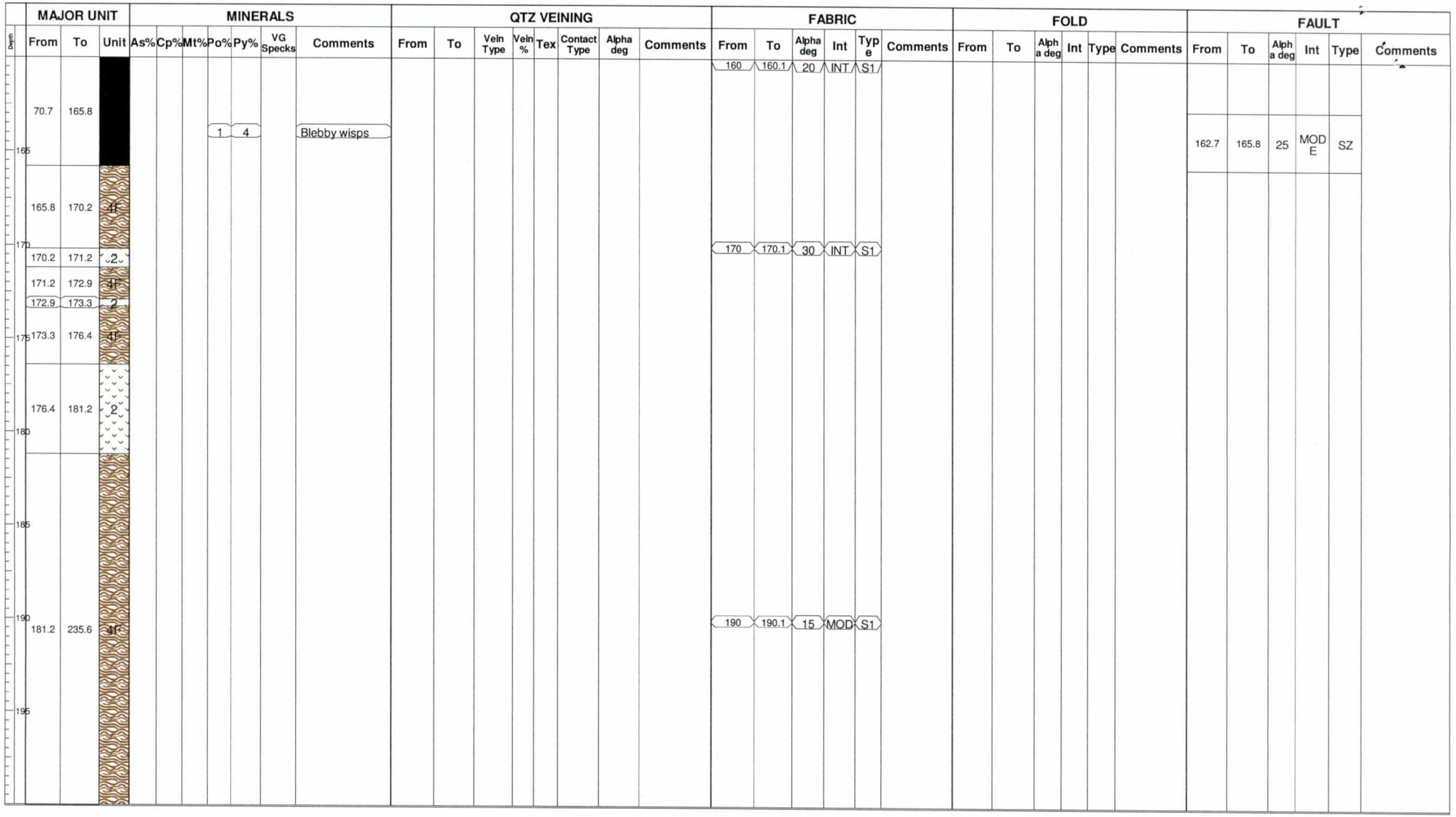

MAJOR UNIT

From	To	Unit
70.7	165.8	
165.8	170.2	4F
170.2	171.2	2
171.2	172.9	4F
172.9	173.3	2
173.3	176.4	4F
176.4	181.2	2
181.2	235.6	4F

MINERALS

From	To	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments
70.7	165.8				1	4		Blebby wisps

QTZ VEINING

From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments

FABRIC

From	To	Alpha deg	Int	Type	Comments
160	160.1	20	INT	S1	
170	170.1	30	INT	S1	
190	190.1	15	MOD	S1	

FOLD

From	To	Alpha deg	Int	Type	Comments

FAULT

From	To	Alpha deg	Int	Type	Comments
162.7	165.8	25	MOD E	SZ	

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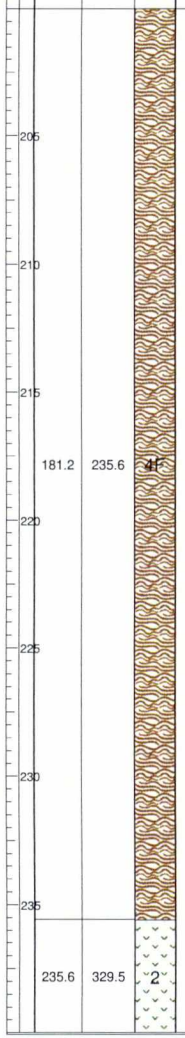

MAJOR UNIT

From	To	Unit
181.2	235.6	4F
235.6	329.5	2

MINERALS

From	To	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments

QTZ VEINING

From	To	Vein Type	Veln %	Tex	Contact Type	Alpha deg	Comments

FABRIC

From	To	Alpha deg	Int	Type	Comments
206	206.1	25	MOD	S1	
238	238.1	20	MOD	S1	

FOLD

From	To	Alpha deg	Int	Type	Comments

FAULT

From	To	Alpha deg	Int	Type	Comments
217	226.6	50	INT	Methane Fault	

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Depth	MAJOR UNIT			MINERALS							QTZ VEINING								FABRIC						FOLD						FAULT					
	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments
245																																				
250																			250	250.1	35	WEK	S1													
255																																				
260	235.6	329.5	2																260	260.1	20	WEK	S1													
265																																				
270																			270	270.1	35	WEK	S1								270	270.5	40	WEK	HZ	
275																															275	277	45	WEK	HZ	

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MAJOR UNIT

From	To	Unit
235.6	329.5	2

MINERALS

As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments
			2			Band of flecks
			1			Diss

QTZ VEINING

From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments

FABRIC

From	To	Alpha deg	Int	Type	Comments
280	280.1	40	WEK	S1	
290	290.1	25	WEK	S1	
300	300.1	40	WEK	S1	
310	310.1	30	WEK	S1	

FOLD

From	To	Alpha deg	Int	Type	Comments

FAULT

From	To	Alpha deg	Int	Type	Comments
282	285.4	45	WEK	HZ	
288.5	288.9	40	WEK	HZ	
288.9	289.1	30	MOD E	BC	
291.8	292.4	30	MOD E	BR	
292.8	311.2	40	WEK	HZ	

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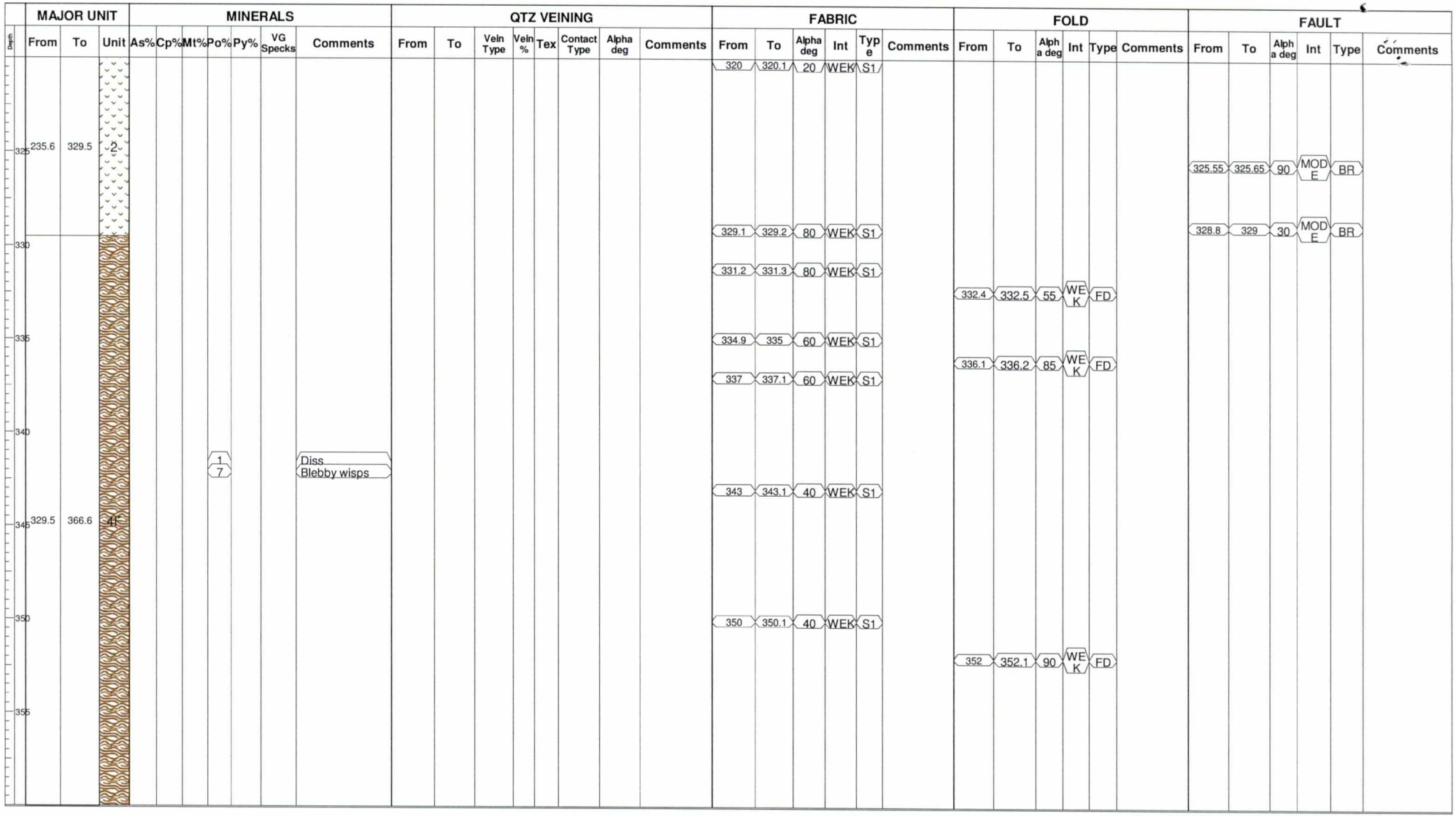

MAJOR UNIT			MINERALS							QTZ VEINING								FABRIC						FOLD						FAULT					
Depth	From	To	Unit	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments	From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments	From	To	Alpha deg	Int	Type	Comments
																			320	320.1	20	WEK	S1													
325	235.6	329.5	2																												325.55	325.65	90	MOD E	BR	
																			329.1	329.2	80	WEK	S1								328.8	329	30	MOD E	BR	
330																			331.2	331.3	80	WEK	S1													
																									332.4	332.5	55	WEK	FD						
335																			334.9	335	60	WEK	S1													
																									336.1	336.2	85	WEK	FD						
																			337	337.1	60	WEK	S1													
340							1			Diss																									
							7			Blebby wisps																										
																			343	343.1	40	WEK	S1													
345	329.5	366.6	4F																																
350																			350	350.1	40	WEK	S1													
																									352	352.1	90	WEK	FD						
355																																			

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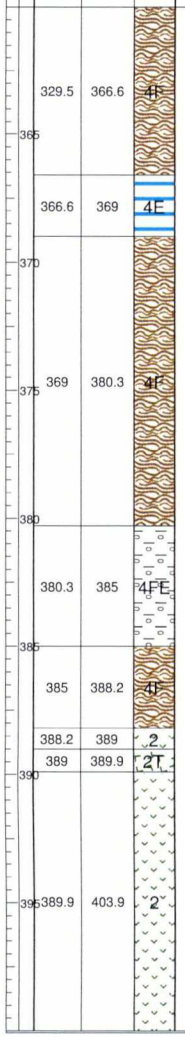

MAJOR UNIT

From	To	Unit
329.5	366.6	4F
366.6	369	4E
369	380.3	4F
380.3	385	4FE
385	388.2	4F
388.2	389	2
389	389.9	2T
389.9	403.9	2

MINERALS

From	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments
380					1		
380.3					1		Bleb
385				5			Fine stringer-diss
388.2				5			Stringer-diss
389				2			Diss-minor stringers

QTZ VEINING

From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments
381	385	CA	5		S	25	
385	386	CA	25		S	20	
387.4	388.2	CA	20		S	25	
389	389.9	CA	45		S	25	
390.2	397.2	QZ-CA	5		S	35	
397.2	401	QZ-CA	40		S	5	

FABRIC

From	To	Alpha deg	Int	Type	Comments
360	360.1	20	MOD	S1	
371	371.1	35	MOD	S1	
384	384.1	40	MOD	S1	
390	390.1	25	MOD	S1	

FOLD

From	To	Alpha deg	Int	Type	Comments
385.9	385.91	90	WEK	FD	
390.75	390.85	30	MOD	FD	

FAULT

From	To	Alpha deg	Int	Type	Comments
361.8	361.9	45	MOD E	BR	
385	386.2	25	MOD E	HZ	
387.5	388.2	30	MOD E	HZ	
389	389.9	30	MOD E	HZ	

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MAJOR UNIT

From	To	Unit
389.9	403.9	2
403.9	407.9	2T
407.9	411.3	2
411.3	412.2	2T
412.2	417.2	2
417.2	419.1	2T
419.1	435.9	4F
435.9	436.8	4E
436.8	440.3	GW

MINERALS

As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments
			2			Fine stringers and diss
			1			Diss
			7			Stringer - diss - minor blebs
			1			Diss
			5			Diss

QTZ VEINING

From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments
397.2	401	QZ-CA	40		S	5	
403.9	407.9	CA	35		S	5	
411.3	412.2	CA	40		S	5	
412.2	417.2	QZ-CA	10		S	25	
417.2	420	QZ-CA	60		S	35	

FABRIC

From	To	Alpha deg	Int	Type	Comments
401.5	401.51	5	MOD	S1	
409.5	409.51	5	MOD	S1	
413.6	413.61	20	MOD	S1	
425.5	425.51	50	MOD	S1	

FOLD

From	To	Alpha deg	Int	Type	Comments

FAULT

From	To	Alpha deg	Int	Type	Comments
403	406	5	MOD E	HZ	
411.3	412.2	15	MOD E	HZ	
417.3	420	35	INT	SZ	

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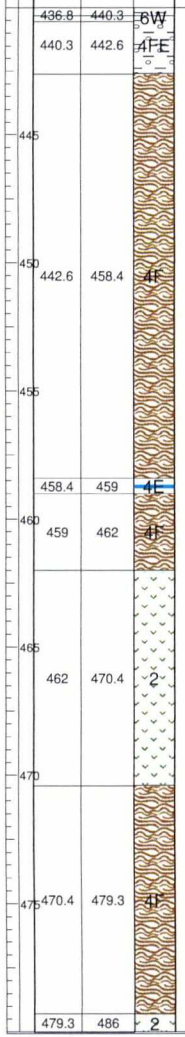

MAJOR UNIT

From	To	Unit
~~436.8~~	~~440.3~~	~~6W~~
440.3	442.6	4FE
442.6	458.4	4F
458.4	459	4E
459	462	4F
462	470.4	2
470.4	479.3	4F
479.3	486	2

MINERALS

As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments
			5			Diss
			7			Diss-blebs
			1			Diss
			3			Stringers
			5			Bleb and stringers

QTZ VEINING

From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments

FABRIC

From	To	Alpha deg	Int	Type	Comments
440	440.1	55	WEK	S1	
449.8	449.9	50	MOD	S1	
456.3	456.4	85	WEK	S1	
459	459.1	80	WEK	S1	
460	460.1	30	WEK	S1	
464.9	465	40	WEK	S1	
467.9	468	45	WEK	S1	
468.8	468.9	70	WEK	S1	
469.9	470	55	WEK	S1	
470.1	470.2	40	WEK	S1	
470.7	470.8	75	WEK	S1	
477.5	477.6	25	MOD	S1	
479.4	479.5	65	WEK	S1	

FOLD

From	To	Alpha deg	Int	Type	Comments
440.85	440.9	60	WEK	FD	
443.7	443.75	45	WEK	FD	
444	444.1	45	WEK	FD	
444.35	444.45	65	MOD	FD	
444.85	445	45	MOD	FD	
445.53	445.56	65	MOD	FD	
446.7	446.8	45	MOD	FD	
447.5	447.55	90	MOD	ZF	
449.2	449.4	90	WEK	FD	
450	450.1	60	MOD	FD	
450.8	450.85	80	WEK	SF	
451.85	451.95	80	WEK	FD	
468.2	468.3	75	WEK	MF	
472.7	472.8	45	WEK	FD	
473.1	473.15	85	MOD	MF	
473.55	473.75	60	MOD	FD	
474.6	474.7	55	WEK	FD	
475.4	475.8	85	MOD	FD	

FAULT

From	To	Alpha deg	Int	Type	Comments

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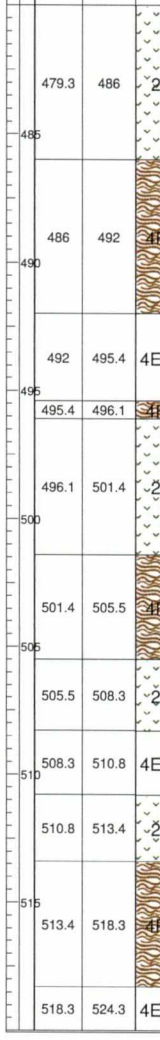

MAJOR UNIT

From	To	Unit
479.3	486	2
486	492	4F
492	495.4	4EF
495.4	496.1	4F
496.1	501.4	2
501.4	505.5	4F
505.5	508.3	2
508.3	510.8	4EF
510.8	513.4	2
513.4	518.3	4F
518.3	524.3	4EF

MINERALS

From	To	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments
496.1	501.4				3			Stringers
					10			Band
					1			Stringers
508.3	510.8				15			Diss-stringers
					1			Stringers

QTZ VEINING

From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments

FABRIC

From	To	Alpha deg	Int	Type	Comments
489.9	490	70	WEK	S1	
495.3	495.4	25	MOD	S1	
500	500.1	40	MOD	S1	
501.5	501.6	65	WEK	S1	
510.3	510.4	55	WEK	S1	

FOLD

From	To	Alpha deg	Int	Type	Comments
500.6	500.65	45	MOD	FD	
519.2	519.3	40	MOD	FD	

FAULT

From	To	Alpha deg	Int	Type	Comments
492	494.5	20	INT	SZ	Silica flooded shear zone. 4 knife faults in this section. Each has a 0.5cm displacement
496.5	496.6	85	MOD E	KF	1cm displacement
518.2	518.4	40	MOD E	BR	

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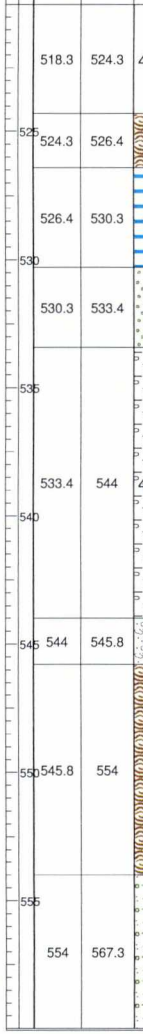

MAJOR UNIT

From	To	Unit
518.3	524.3	4EF
524.3	526.4	4F
526.4	530.3	4E
530.3	533.4	2U
533.4	544	4FE
544	545.8	6B
545.8	554	4F
554	567.3	2H

MINERALS

As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments
			1			Stringer-diss
			2			Stringer-diss
			3			Dis-stringer
			1			Stringer

QTZ VEINING

From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments

FABRIC

From	To	Alpha deg	Int	Type	Comments
520.4	520.5	25	WEK	S1	
524.4	524.5	35	WEK	S1	
531.9	531.91	30	MOD	S1	
543.4	543.41	45	MOD	S1	
552.3	552.31	45	MOD	S1	

FOLD

From	To	Alpha deg	Int	Type	Comments
522.85	522.95	40	MOD	FD	
537.8	538.1	50	MOD	FD	
539.9	540.3	20	MOD	FD	Folded 4E band
543	543.5	40	MOD	FD	

FAULT

From	To	Alpha deg	Int	Type	Comments
554	555	40	MODE	SZ	High strain zone with brecciated clasts of cherty looking qtz.

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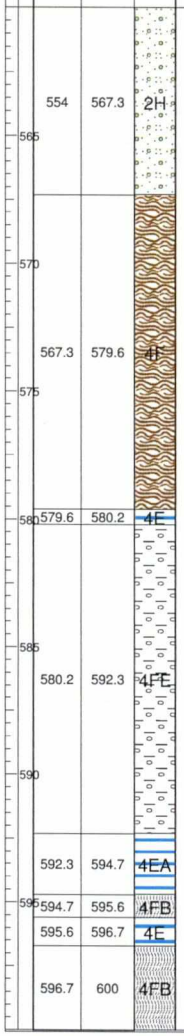

MAJOR UNIT

From	To	Unit
554	567.3	2H
567.3	579.6	4I
579.6	580.2	4E
580.2	592.3	4FE
592.3	594.7	4EA
594.7	595.6	4FB
595.6	596.7	4E
596.7	600	4FB

MINERALS

From	To	As%	Cp%	Mt%	Po%	Py%	VG Specks	Comments

QTZ VEINING

From	To	Vein Type	Vein %	Tex	Contact Type	Alpha deg	Comments

FABRIC

From	To	Alpha deg	Int	Type	Comments
564.1	564.11	30	MOD	S1	
574.4	574.41	50	MOD	S1	
581.5	581.51	50	MOD	S1	
590.1	590.11	40	MOD	S1	
599.3	599.31	45	MOD	S1	

FOLD

From	To	Alpha deg	Int	Type	Comments
571	573	50	MOD	FD	

FAULT

From	To	Alpha deg	Int	Type	Comments