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2017 Diamond Drill Report
on Behalf of Melkior Exploration Inc.
Carscallen and Denton Township Properties Timmins, Ontario
Porcupine Mining Division, Ontario September 20, 2019

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1.0 Executive Summary

Between the months of August and September 2017, a drill program was conducted on the Carscallen and Denton properties on behalf of Melkior Resources Inc. Drill holes CAR-17-01 to CAR-17-11 were drilled in Carscallen Township on cell claims 309685, 130505, 327760 and 331228. Drill holes CAR-17-12 to CAR-17-16 were drilled on cell claims 151826, 225135 and 192506 in Denton Township. The program was planned and carried out by Wade Kornik BSc, P.Geol who further logged, sampled, assayed and interpreted the results for the program. The discussion of drill results and conclusion and recommendations portion of this report are based upon Mr. Kornik's interpretation of the results of the 2017 Carscallen drill program.

Drill holes CAR-17-2,3,4,5 and 6 were drilled to test an inferred north-south trending fault approximately 75 meters west of the Zam-Zam zone in Carscallen Township. Drill holes CAR-17-1 and 4 were drilled to test for the presence of an east west structure related to an interpreted IP chargeability anomaly and were drilled in the same area. CAR-17-7 was drilled to evaluate an offset in the 1010 zone and test an interpreted crosscutting IP anomaly. CAR-17-8 was drilled approximately 100 meters south of CAR-17-7 to test the projected 1010 offset and crosscutting IP anomaly. CAR-17-10 was drilled approximately 130 meters south of CAR-17-08 and Car-17-9 and 11 were drilled 35 meters south of CAR-17-10. The three drill holes were designed to target both a gold in soil anomaly and the area underlying a high-grade float sample (Target F).

Drill holes CAR-17-12,13,14,15 and 16 were drilled in Denton Township to confirm an inferred Target H fault and the presence of a gold bearing coincident quartz vein. These drill holes collectively identified 100m of strike length on a north-south trending fault with quartz veining and intensely silicified host with pyrite. This mineralized structure was encountered at shallow depths in close proximity to Melkior's eastern boundary and was named the Behemoth Zone. Assay results for the drill program are examined in the Discussion of Drill Results portion of this report. Follow up work is outlined in the Conclusion and Recommendations portion of this report.

2.0 PHYSIOGRAPHY

2.1 Access

The Melkior Denton/Carscallen Property is located within the boundaries of the City of Timmins, Ontario and is approximately 25 km southwest of the center of Timmins. The property is in the Porcupine Mining Division and occurs in the central portion of Carscallen Township and northwestern portion of Denton Township. Provincial highway 101 transverses the southernmost claims in Denton Township and provides excellent access to the city of Timmins. Unmaintained roads and trails provide access to the property. Timmins is a city with a population of 43,165 (2011 census) and is located 550 km north- northwest of Toronto, Ontario. The city is serviced by scheduled flights to numerous southern and northern Ontario destinations.

2.2 CLIMATE

Timmins is near the northern periphery of the hemiboreal humid continental climate (Dtb). The climate is typical of northern Ontario with extreme season variations. Average daily January temperatures range between -24°C to -11°C and average daily July temperatures range between +11°C to +24°C. Annual average annual precipitation is 831 mm about half of which is in the form of snow (Environment Canada data for Timmins). Exploration and mining operations can be carried out year-round on the Property.

2.3 INFRASTRUCTURE

The Property benefits from excellent access and close proximity to the City of Timmins. Mining, along with milling and smelting are the major components of the local economy. A full range of equipment, supplies and services required for mining development and exploration is available in Timmins. The Timmins area also possesses a skilled mining work force from which personnel can be sourced for new mine developments. The Property is in close proximity to a paved highway, secondary access roads and a major power line. Abundant water resources are present in the lakes, rivers and creeks.

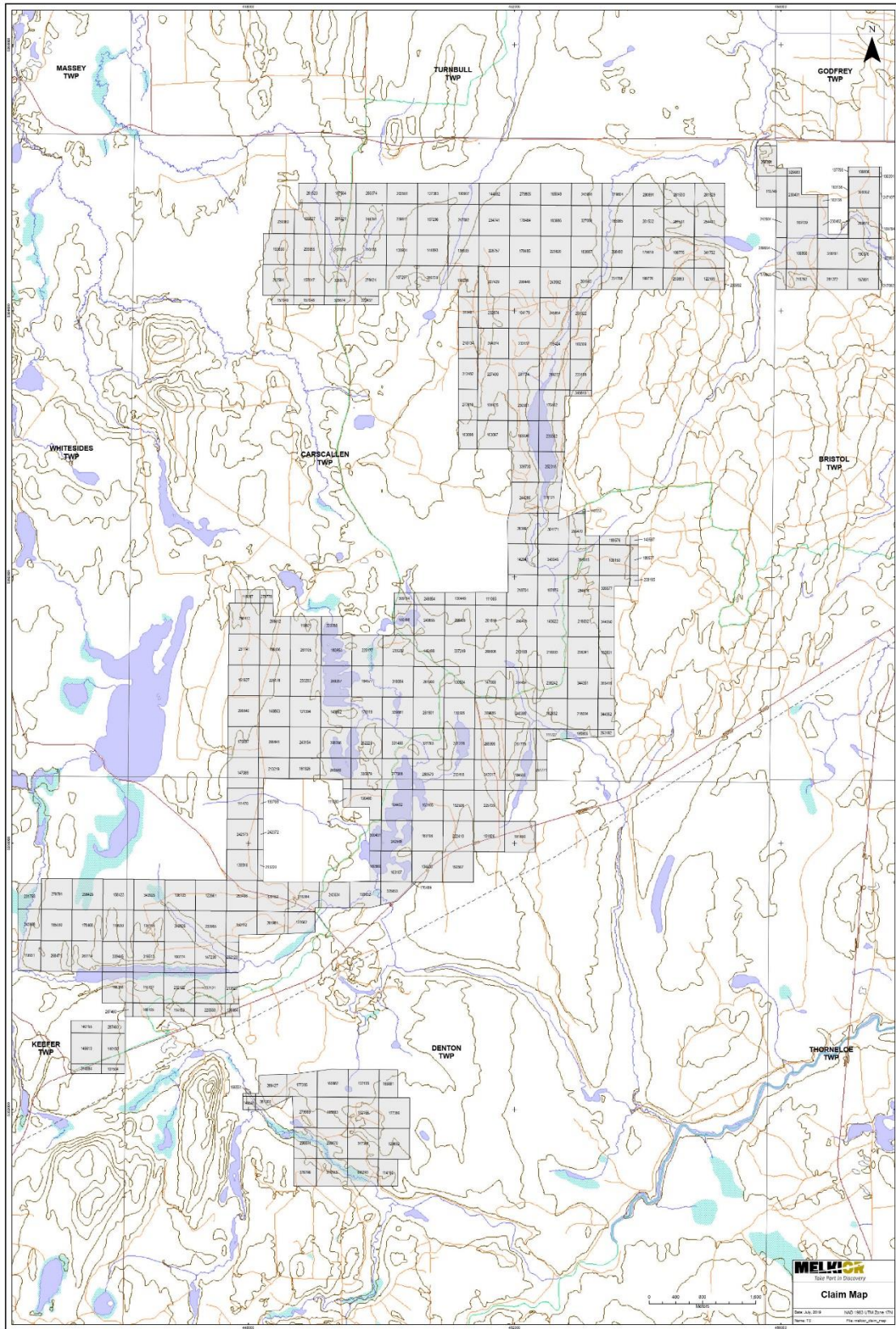


Figure 1 Melkior current claim status in Carscallen, Bristol, Kefer and Denton Townships

3.0 Property Status

The Melkior property claim status tables for Carscallen, Denton and Bristol Townships are listed in **Appendix 5** of this report. Drill holes CAR-17-01 to CAR-17-11 were drilled in Carscallen Township on cell claims 309685, 130505, 327760 and 331228. Drill holes CAR-17-12 to CAR-17-16 were drilled on cell claims 151826, 225135 and 192506 in Denton Township. All cell claims are in good standing (see figures 2,3, and 4).

4.1 Regional Geological Setting

The following section is based largely upon a report by Geovector in April 2014 entitled Report on 2011 to 2013 Exploration by Melkior Resources Inc. on the Carscallen Property and authored by Eric Hebert and Tom Setterfield. Timmins is one of nine major volcanic centers of the Abitibi greenstone belt defined by Goodwin and Ridler (1970). Structural complexity have made stratigraphic syntheses challenging. Thus, the district was divided into a number of "tectonic assemblages", on the basis of similarities in stratigraphy, litho-geochemistry, age dates and aeromagnetic and airborne EM signatures (Jackson and Fyon, 1992). Since the initial division of the Abitibi belt into tectonic assemblages, more accurate and more abundant age dates have enabled a simplified and improved delineation of the assemblages to be made (Ayer et al., 1999). In the Timmins district, three volcanic assemblages (Deloro, Kidd-Munro and Tisdale) and two sedimentary (Porcupine and Timiskaming) assemblages are recognized, all of Archean age. The Deloro assemblage is the oldest, and consists of mafic to felsic, calc-alkalic metavolcanic rocks and associated iron formation. The Kidd-Munro assemblage which is predominantly tholeiitic to komatiitic volcanics unconformably overlies the Deloro assemblage (Ayer et al. 1999). The Tisdale assemblage overlies the Kidd-Munro assemblage and ranges from tholeiitic mafic to komatiitic metavolcanic rocks with minor rhyolite, grading up to calc-alkalic pyroclastic rocks and local iron formation. The Porcupine assemblage is the oldest sedimentary package and consists mostly of turbiditic sediments; it unconformably overlies the volcanic assemblages. The Timiskaming assemblage consists of coarse elastic metasediments and overlies the Porcupine assemblage.

The volcano-sedimentary rocks have been intruded by the Kamiskotia Gabbroic Complex, roughly equivalent in age to the Tisdale assemblage (Hall and Smith; Fig. 4), and by later, predominantly felsic, Archean plutons, as well as Proterozoic dike swarms. The most important regional structural element is the east-northeast trending Porcupine- Destor Fault Zone, which is traceable for more than 450 km. This fault zone and associated splays influence the location of many of the major gold deposits in the Abitibi greenstone belt. The zone passes 3 km south of the Carscallen property.



Figure 3 Melkior claim map North Plan Carscallen Twp with 2017 ddh Locations

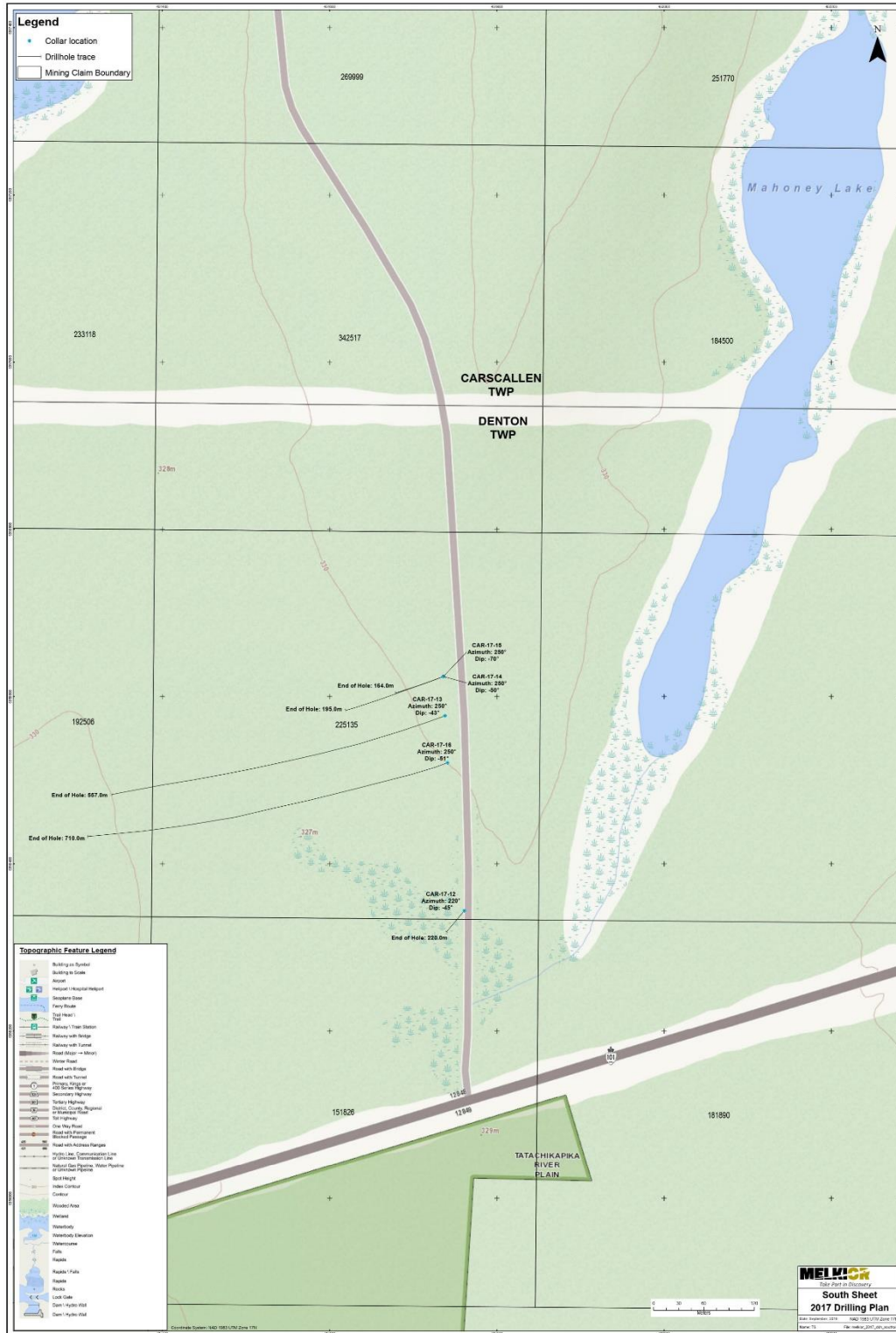


Figure 4 Melkior claim map South Plan Denton Twp with 2017 ddh Locations

4.3 Property Geology

The bedrock of the Carscallen property consists mainly of felsic plutonic rocks of the Carlton Lake Pluton in the western part of the property, intruding into mafic metavolcanic rocks of the Deloro assemblage (Fig. 5). The rock types observed at surface and in core include: granite/granodiorite, mafic volcanic rocks, iron formation (sulphide and oxide facies), quartz-feldspar porphyry intrusions/dikes and locally Iamprophyre dikes. Ultramafic rocks have been mapped on the property (OFR6093), however, no occurrences of ultramafic rocks have been noted during exploration by Melkior.

Granite/granodiorite

A large granite intrusion, most likely a lopolith, occurs in the western and central part of the property. It consists of a medium to coarse-grained granite and/or granodiorite, depending on the abundance of potassium feldspar. According to Hall and Smith (2002), this intrusion belongs to the Carlton Lake Pluton, an Archean plutonic unit. Several alteration styles affect the granite including a pervasive hematite-calcite purple-red alteration and a silica-sericite-ankerite dark grey alteration.

Mafic Volcanic Rocks

A thick sequence of mafic volcanic rocks with minor interbedded iron formation (chert- magnetite-sulphide) occurs in the eastern part of the property and at depth underneath the granite lopolith. The volcanic rocks, which are part of the Deloro assemblage, are mainly massive flows, interbedded with flow breccia and locally pillowed lava. This unit is intruded by the Carlton Lake granite. Xenoliths of mafic volcanic rocks are locally caught up in the granite intrusion. Granite with mafic xenoliths is a good host rock for gold mineralization .

Quartz feldspar Porphyry (QFP)

A series of QFP dikes cross-cut both the Delora Assemblage and the Carlton Lake intrusions. They typically contain 1-2% disseminated pyrite grains (euhedral) and local pyrite stringers. The QFP dikes are pervasively carbonatized, giving the rock a light beige color. These dikes vary from ~5 to 30 metres in thickness.

Iron Formations

Iron formations are encountered in some drill holes, consisting of layers of pyrite, pyrrhotite, magnetite and chert. The total thickness is about 10 metres. These iron formations occur at the top of the mafic volcanic unit under the Shenkman area and a strong exposure on surface occurs on the Wire Gold showing.

Gold Mineralization

Gold mineralization occurs in pyrite-quartz veins/stringers which contain 10 to 50% pyrite. The veins are typically several cm to almost half a meter thick grading generally between 1 g/t Au to 100 g/t Au, and mostly occur within corridors several metres wide. Three main mineralized corridors are recognized: Zamzam/Jowsey, Shenkman and 1010 . Quartz-feldspar porphyry dikes appear to be spatially related to these mineralized corridors. At depth, near the granite/mafic volcanic rock contact, gold mineralization occurs in the granite within pyrite-rich mafic xenoliths.

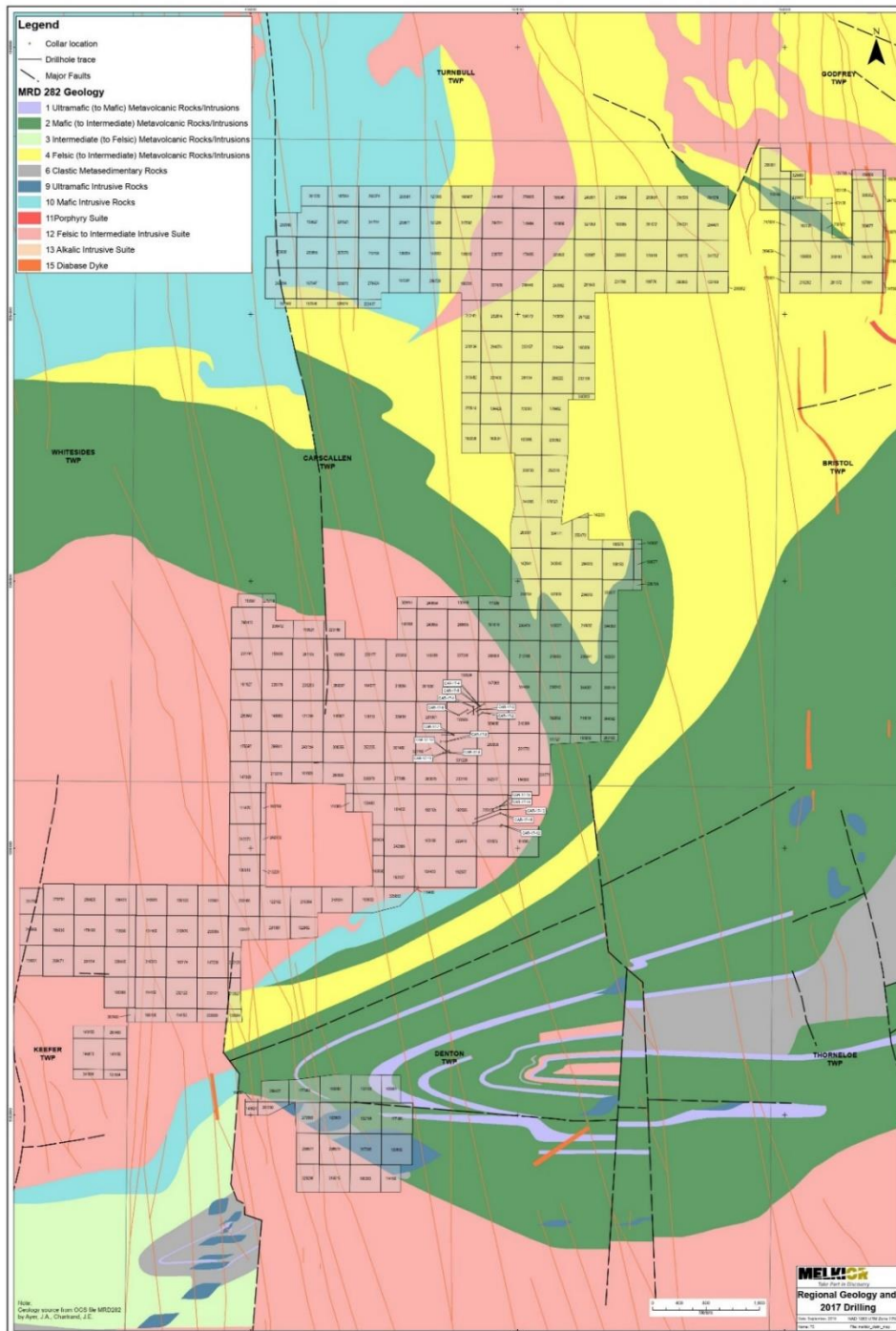


Figure 5 Property Geology with Melkior Claim Block and 2017 DDH Locations

5.0 Discussion of Drill Results

The following Discussion of Drill Results and Conclusions and Recommendations is based upon the work of Wade Kornik, B.S.c, P.Geo who planned, logged, sampled and interpreted the results for the 2017 Carscallen Drill program on behalf of Melkior Resources Inc. Certified reference standards and blanks were routinely inserted into the sample stream for both Actlabs and ALS as part of Melkior's quality control/quality assurance program. **CAR-17-2, CAR-17 -3, CAR-17-4, CAR-17 - 5** confirmed Target A, an interpreted fault zone and identified a co-incident new gold bearing quartz vein sub-parallel to and west of the Zamzam Zone. Results from **CAR-17 -2** assayed **36.10ppm gold over 0.40m** and **CAR-17-5** assayed **12.10ppm gold over 0.65m** at shallow depth. **CAR-17- 1** and **CAR-17 -4** returned positive but inconclusive results for the presence of testing an east west structure related to an interpreted IP chargeability anomaly. **CAR- 17 -1** encountered **4.78ppm gold over 0.40m** in close proximity to **3.25ppm over 0.76m**. **CAR-17 -4** was extended to undercut the mineralized **CAR-17-**lintersections and encountered a broader width of mineralization including **3.25ppm gold over 1.61m**. The orientation of the mineralization has not been established.

CAR-17-7 was drilled to evaluate an offset in the 1010 zone and test an interpreted crosscutting IP anomaly. Evidence for the IP zone remains elusive but at shallow depth assays returned **6.84 ppm over 0.75m**. **CAR-17-8** successfully encountered gold bearing mineralization in the targeted area and validated the presence of a northerly trending fault. Results include **6.20 ppm gold over 0.45m** approximately 50m vertically above the **18.65 ppm gold over 0.65m** returned by **CAR- 29-2010**.

CAR-17-9, CAR-17-10, and Car-17-11 were drilled to target both a gold in soil anomaly and the area underling a high-grade float sample (Target F). These drill holes did not encounter significant gold mineralization. The gold in soil anomaly remains unexplained. The nature of the overburden underling the high-grade float indicates some degree of transport has occurred.

Behemoth Zone

CAR-17-13, CAR-17-14 and CAR-17-16 have confirmed the inferred Target H fault and the presence of a gold bearing coincident quartz vein. These drill holes collectively identified 100m of strike length on a north-south trending fault with quartz veining and intensely silicified host with pyrite. This mineralized structure was encountered at shallow depths in close proximity to Melkior's eastern boundary (Figure 6). Assays included in **CAR-17-13** assayed **21.80 ppm gold over 1.6m**.

CAR-17-16 assayed **17.50 ppm gold over 0.30m**. This structure trends towards the Zamzam Zone located 1.8 km to the north. A new gold occurrence, the Whaleback outcrop, has been established in the center of the Behemoth Zone. Samples from the outcrop assayed up to **9.5 ppm gold** from a silicified cataclastic zone in granite that hosts a multi-episodic quartz vein (Az290) up to 30 cm wide. Two drill holes were drilled over 100m below the trend of this new gold occurrence (**CAR-17-13 and CAR-17-16**). Visible gold was encountered, assay results were lower than anticipated, metallic sieve

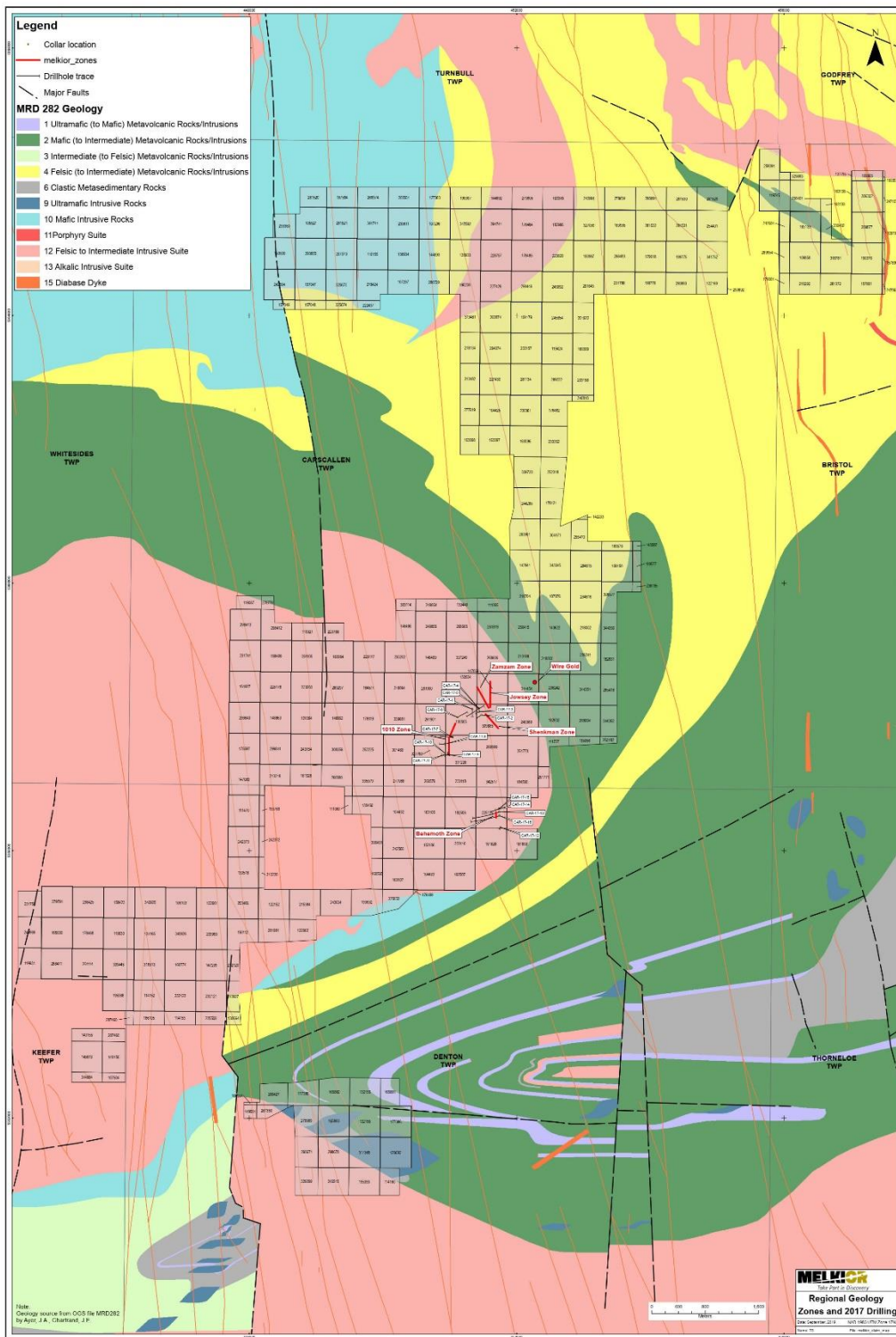


Figure 6 Property Geology with Melkior Claim Block and Au Zones

assays are going to be conducted. A series of structures were crossed by drill holes underneath the Whaleback outcrop and interpreted to be parallel to the one observed on surface (Az 290).

Multiple distinct mineralized zones were observed in both of these drill holes. Observations suggest that the mineralization in these two drill holes is related to a broad complex (Az290) trending structure that has experienced multiple periods of deformation. There seems to be a general commonality to the zones where the granite has been crushed, circulating hydrothermal fluids produce a pronounced silicified zone marginal to these cataclastic zones. Multiple periods of deformation have locally produced further cataclastic deformation, brittle failure with associated quartz veining and brecciation with associated intense silicification. Pyrite is commonly associated with these cataclastic zones and late silicification and mineralizing events.

6.0 Conclusions and Recommendations

The sporadic gold assay results across this structural and hydrothermal corridor (Behemoth Zone) taken together with a much broader envelope of elevated pathfinder elements and the presence of gold on surface and in drill core is considered extremely encouraging. **CAR-17-12 and CAR-17-16** have identified extreme alteration at the southern margin of the claim group, not previously observed on the Carscallen Project. This extreme alteration is accompanied by substantial pathfinder element enrichment at the location sampled. The nature and extent of the alteration suggests that a significant undocumented structural break transects the southern portion of the claim group. The orientation and significance of this potential structure merits evaluation.

Also new to the Carscallen Project and within the Behemoth Zone are a series of ultramafic "dykes" that host gold mineralization and are substantially enriched in pathfinder elements. It is possible that these relatively narrow features are related to a larger and deeper intrusive, possibly in the volcanics that are expected to be present immediately below the sub-horizontal lower granite contact.

Zones of intersection of north-south trending gold bearing structures with east-west structures are considered priority exploration targets. The southern extension of the new gold bearing quartz vein and the gold bearing ultramafic dikes and the gold bearing hydrothermal corridors could all intersect the inferred undocumented structural break that transects the southern portion of the claim group. Additionally, each of these gold zones could exit the base of the sub-horizontal granitic intrusive in close proximity to the undocumented structural break, and all within a relatively small area. The source of the ultramafic material below the sub-horizontal granitic intrusive that hosts Behemoth Zone is considered a high priority target.

The extreme alteration and the proposed existence of an undocumented structure crossing the Melkior claim group could have significant implications to Melkior's ongoing exploration plans. Melkior's current working hypothesis positions the Carscallen Project north of the Porcupine Destor Fault in an area where an apparent inflection in the fault zone may have produced splay faults and a series of Az290 - Az350 trending faults/structures that host Melkior gold zones. There is a significant competency contrast between the relatively ductile volcanic rock to the south of the Porcupine Destor Fault compared to the competent granitic intrusive that hosts Melkior gold zones to the north. This

competency contrast may have acted to focus fluid flow northward into the well-developed faults on the Melkior claim group. A comparison could be made to the area of the Dome Mine being located in the vicinity and north of a disrupted section of the Porcupine Destor Fault that is bounded to the south by a sequence of relatively ductile volcanics that may have focused fluid flow into structural complexities related to the PDFZ disruption and splay faults preferentially located within the more competent rock located north of the of the Porcupine Destor Fault Zone.

Existing IP data collected by Melkior provides excellent coverage of the Behemoth Zone and vicinity. The targeting and hole placement so far has not specifically targeted IP anomalies. Historically the use of IP chargeability data has been problematic due to the presence of disseminated pyrite within porphyry units. The individual structures that together comprise the Behemoth Zone have disseminated pyrite intimately associated with relatively intense hydrothermal alteration. It is hoped in the absence of other significant chargeability sources that the existing IP data can be used to target the mineralized conduits. The geologic simplicity of bedrock types so far encountered within the Behemoth Zone and the absence of porphyry units suggests a review and re-evaluation of the IP data in this area is of paramount importance.

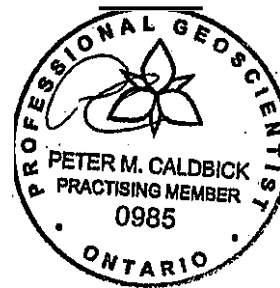
CERTIFICATE OF AUTHOR

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I, Peter Caldbick, B.s.c., P.Geo, residing at 143 Lakeshore Road, Timmins, Ontario, do certify that:

1. I am a consulting geologist currently consulting for Melkior Resources Inc.
2. I graduated with a Bachelor of Science in Geology from the University of Toronto in 1983. In addition, I have obtained an Environmental Assessment Certificate from Lakehead University in 1994.
3. I am a member in good standing of the Association of Professional Geoscientists of Ontario, Membership # 0985 and a member of the Prospectors and Developers Association of Canada.
4. I have been employed continuously as a geologist for the past 36 years since my graduation from University.

Dated this 20th day of September 2019



Peter Caldbick

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Ayer, J.A., Trowell, N.F., Madon, Z., Kamo, S., Kwok, Y.Y. and Amelin, Y. 1999. *Compilation of the Abitibi Greenstone Belt in the Timmins-Kirkland Lake Area: Revisions to Stratigraphy and New Geochronological Results. Ontario Geological Survey Open File Report 6000, p.4.1-4.14.*

Goodwin, A.M. and Ridler, R.H. 1970. *The Abitibi orogenic belt. In Symposium on basins and geosynclines of the Canadian Shield, edited by A.M. Baer. Geological Survey of Canada Paper*

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Jackson, S.L. and Fyon, J.A. 1992. *The Western Abitibi Subprovince in Ontario. In Geology of Ontario. Ontario Geological Survey Special Volume 4, pp.405-482.*

Results

Activation Laboratories Ltd.

Report: A17-08082

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
375184	8	< 0.2	< 0.5	3	210	< 1	4	< 2	13	0.81	2	< 10	44	< 0.5	< 2	2.97	5	4	1.34	< 10	< 1	0.22	16
375185	9	< 0.2	< 0.5	54	374	2	7	3	34	2.01	< 2	< 10	133	< 0.5	< 2	1.31	8	15	2.69	< 10	< 1	0.22	< 10
375186	< 5	< 0.2	< 0.5	9	180	< 1	5	< 2	11	0.62	2	< 10	44	< 0.5	< 2	2.64	4	4	1.10	< 10	< 1	0.22	16
375187	6	< 0.2	< 0.5	4	194	< 1	5	< 2	9	0.59	< 2	< 10	39	< 0.5	< 2	2.90	3	4	0.99	< 10	< 1	0.21	16
375188	5	< 0.2	< 0.5	3	204	< 1	5	< 2	14	0.81	4	< 10	53	< 0.5	< 2	2.91	6	3	1.28	< 10	< 1	0.25	17
375188A	5	< 0.2	< 0.5	4	275	< 1	9	< 2	32	1.13	< 2	< 10	53	< 0.5	< 2	2.76	8	8	1.94	< 10	< 1	0.22	27

Results

Activation Laboratories Ltd.

Report: A17-08389

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
375231	< 5	< 0.2	< 0.5	10	439	< 1	13	< 2	44	1.16	< 2	< 10	88	< 0.5	< 2	2.62	10	17	2.25	< 10	< 1	0.23	34
375232	< 5	< 0.2	< 0.5	11	468	< 1	11	< 2	43	1.20	< 2	< 10	85	< 0.5	< 2	2.77	9	15	2.17	< 10	< 1	0.25	34
375233	< 5	< 0.2	< 0.5	12	462	< 1	13	< 2	54	1.54	< 2	< 10	159	< 0.5	< 2	1.96	11	18	2.34	< 10	< 1	0.19	34
375234	< 5	< 0.2	< 0.5	8	374	< 1	14	< 2	48	1.42	< 2	< 10	106	< 0.5	< 2	1.60	10	20	2.18	< 10	< 1	0.26	33

Results

Activation Laboratories Ltd.

Report: A17-09370

Analyte Symbol	Au	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K
Unit Symbol	ppb	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.03	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01
Method Code	FA-AA	FA- GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
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375281	8		< 0.2	< 0.5	4	209	< 1	17	< 2	56	1.67	< 2	< 10	62	< 0.5	< 2	0.58	12	19	2.66	< 10	< 1	0.16
375282	8		< 0.2	< 0.5	7	397	< 1	14	3	48	1.58	3	< 10	194	< 0.5	< 2	1.85	11	16	2.13	< 10	< 1	0.63
375283	8		< 0.2	< 0.5	7	391	< 1	13	< 2	40	1.12	< 2	< 10	92	< 0.5	< 2	2.69	9	12	1.81	< 10	< 1	0.31
375284	5		< 0.2	< 0.5	11	382	< 1	15	7	39	1.30	6	< 10	101	< 0.5	3	3.02	9	16	1.95	< 10	< 1	0.42
375285	11																						
375286	6		< 0.2	< 0.5	30	581	1	18	3	54	1.60	< 2	< 10	142	< 0.5	< 2	3.42	15	15	2.80	< 10	< 1	0.37
375287	5		< 0.2	< 0.5	7	417	1	15	< 2	52	1.48	< 2	< 10	105	< 0.5	< 2	2.05	11	17	2.31	< 10	< 1	0.38
375288	< 5		< 0.2	< 0.5	3	436	< 1	15	< 2	49	1.48	< 2	< 10	82	< 0.5	< 2	2.41	10	17	2.22	< 10	< 1	0.33
375289	< 5		< 0.2	< 0.5	12	431	< 1	23	< 2	59	1.69	3	< 10	79	< 0.5	< 2	1.97	13	17	2.69	< 10	< 1	0.38
375290	< 5		< 0.2	< 0.5	4	488	1	16	2	54	1.60	3	< 10	94	< 0.5	< 2	2.81	12	17	2.44	< 10	< 1	0.46
375291	9		< 0.2	< 0.5	24	441	1	16	2	39	1.20	6	< 10	107	< 0.5	< 2	3.04	11	14	1.98	< 10	< 1	0.37
375292	5		< 0.2	< 0.5	4	409	< 1	15	< 2	45	1.34	< 2	< 10	106	< 0.5	< 2	2.29	11	14	2.11	< 10	< 1	0.36
375293	< 5		< 0.2	< 0.5	10	457	< 1	15	< 2	50	1.39	< 2	< 10	99	< 0.5	< 2	2.61	11	16	2.45	< 10	< 1	0.36
375294	< 5		< 0.2	< 0.5	5	406	< 1	14	< 2	46	1.26	2	< 10	92	< 0.5	< 2	2.18	10	13	2.08	< 10	< 1	0.28
375295	> 5000																						
375296	5		< 0.2	< 0.5	7	321	< 1	10	3	37	1.16	2	< 10	99	< 0.5	< 2	1.75	8	15	1.78	< 10	< 1	0.35
375297	< 5		< 0.2	< 0.5	7	421	< 1	14	2	48	1.43	< 2	< 10	89	< 0.5	< 2	2.44	11	20	2.25	< 10	< 1	0.27
375298	< 5		< 0.2	< 0.5	9	416	< 1	15	< 2	47	1.48	< 2	< 10	101	< 0.5	< 2	2.33	10	15	2.36	< 10	< 1	0.32
375299	6		< 0.2	< 0.5	7	389	1	15	< 2	44	1.31	< 2	< 10	105	< 0.5	< 2	2.36	10	15	2.20	< 10	< 1	0.32
375300	< 5		< 0.2	< 0.5	4	381	< 1	16	< 2	52	1.57	< 2	< 10	69	< 0.5	< 2	1.84	11	18	2.41	< 10	< 1	0.21
375301	10		< 0.2	< 0.5	4	372	1	16	< 2	52	1.77	7	< 10	73	< 0.5	< 2	1.44	12	17	2.52	< 10	< 1	0.26
375302	10		< 0.2	< 0.5	9	446	< 1	18	< 2	54	1.80	2	< 10	118	< 0.5	< 2	2.09	12	19	2.66	< 10	< 1	0.41
375303	66		< 0.2	< 0.5	11	453	< 1	16	2	58	1.54	< 2	< 10	112	< 0.5	< 2	1.80	13	18	2.57	< 10	< 1	0.39
375304	9		< 0.2	< 0.5	7	411	< 1	17	3	53	1.60	< 2	< 10	97	< 0.5	< 2	2.07	11	17	2.49	< 10	< 1	0.34
375305	5																						
375306	8		< 0.2	< 0.5	6	471	< 1	15	< 2	44	1.42	< 2	< 10	123	< 0.5	< 2	3.05	10	14	2.19	< 10	< 1	0.42
375307	< 5		< 0.2	< 0.5	8	389	< 1	16	< 2	51	1.74	8	< 10	123	< 0.5	< 2	1.83	11	18	2.48	< 10	< 1	0.50
375308	5		< 0.2	< 0.5	6	388	< 1	17	2	55	1.65	< 2	< 10	129	< 0.5	< 2	1.73	11	19	2.60	< 10	< 1	0.49
375309	36		< 0.2	< 0.5	12	392	< 1	17	< 2	55	1.58	< 2	< 10	127	< 0.5	< 2	1.57	12	19	2.46	< 10	< 1	0.42
375310	212		< 0.2	< 0.5	5	392	< 1	16	3	51	1.56	< 2	< 10	94	< 0.5	< 2	1.90	11	17	2.28	< 10	< 1	0.28
375311	8		< 0.2	< 0.5	7	409	< 1	15	< 2	49	1.42	< 2	< 10	100	< 0.5	< 2	2.21	10	14	2.19	< 10	< 1	0.30
375312	21		< 0.2	< 0.5	11	394	1	15	< 2	49	1.36	< 2	< 10	88	< 0.5	< 2	2.09	11	21	2.27	< 10	< 1	0.29
375313	52		< 0.2	< 0.5	5	393	< 1	14	< 2	43	1.27	< 2	< 10	105	< 0.5	< 2	2.58	9	13	1.96	< 10	< 1	0.36
375314	78		< 0.2	< 0.5	7	390	< 1	14	< 2	47	1.30	< 2	< 10	97	< 0.5	< 2	2.21	11	15	2.13	< 10	< 1	0.30
375315	> 5000	5.81	62.5	15.6	126	1270	7	18	> 5000	1150	2.33	70	< 10	154	< 0.5	< 2	1.64	12	17	4.66	< 10	< 1	0.24
375316	8		< 0.2	< 0.5	7	396	< 1	16	< 2	53	1.52	< 2	< 10	85	< 0.5	< 2	1.81	11	16	2.42	< 10	< 1	0.24
375317	7		< 0.2	< 0.5	10	408	1	16	< 2	51	1.55	3	< 10	87	< 0.5	< 2	2.15	11	15	2.42	< 10	< 1	0.25
375318	8		< 0.2	< 0.5	25	427	< 1	15	< 2	53	1.44	< 2	< 10	99	< 0.5	< 2	2.55	12	15	2.50	< 10	< 1	0.34
375319	6		< 0.2	< 0.5	5	389	< 1	14	3	45	1.38	< 2	< 10	125	< 0.5	< 2	2.51	10	19	2.02	< 10	< 1	0.42
375320	58		< 0.2	< 0.5	7	397	< 1	14	< 2	43	1.23	< 2	< 10	119	< 0.5	< 2	2.64	10	15	1.88	< 10	< 1	0.40

Results

Activation Laboratories Ltd.

Report: A17-09370

Analyte Symbol	Au	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K
Unit Symbol	ppb	g/tonne	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Lower Limit	5	0.03	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01
Method Code	FA-AA	FA- GRA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
375446	< 5		< 0.2	< 0.5	9	496	< 1	12	< 2	32	1.18	7	< 10	62	< 0.5	< 2	3.28	10	9	2.42	< 10	< 1	0.22
375447	25		< 0.2	< 0.5	4	468	< 1	13	5	28	1.28	11	< 10	67	< 0.5	< 2	3.22	11	8	2.33	< 10	< 1	0.27
375448	10		< 0.2	< 0.5	64	458	< 1	17	< 2	53	1.87	4	< 10	73	< 0.5	< 2	2.60	15	8	3.55	< 10	< 1	0.32
375449	< 5		< 0.2	< 0.5	31	346	< 1	11	< 2	32	1.34	< 2	< 10	69	< 0.5	< 2	2.90	10	7	2.15	< 10	< 1	0.28
375450	21		< 0.2	< 0.5	11	307	< 1	14	5	31	1.21	6	< 10	58	< 0.5	< 2	2.12	10	7	2.20	< 10	< 1	0.22
375451	8		< 0.2	< 0.5	22	382	< 1	14	2	34	1.57	2	< 10	92	< 0.5	< 2	2.51	10	9	2.55	< 10	< 1	0.35
375452	8		< 0.2	< 0.5	7	379	< 1	13	< 2	41	1.39	< 2	< 10	57	< 0.5	< 2	2.09	9	7	2.58	< 10	< 1	0.21
375453	5		< 0.2	< 0.5	24	482	< 1	11	< 2	35	1.43	2	< 10	66	< 0.5	< 2	3.21	9	5	2.47	< 10	< 1	0.32
375454	< 5		< 0.2	< 0.5	8	497	< 1	11	3	31	1.29	2	< 10	79	< 0.5	< 2	3.68	9	8	2.26	< 10	< 1	0.31
375455	3240		0.6	< 0.5	64	585	12	36	18	111	2.03	14	< 10	136	< 0.5	< 2	1.34	11	36	4.28	< 10	< 1	0.19
375456	5		< 0.2	< 0.5	12	478	< 1	15	< 2	41	1.25	2	< 10	64	< 0.5	< 2	3.47	10	9	2.27	< 10	< 1	0.24
375457	< 5		< 0.2	< 0.5	11	397	< 1	17	< 2	48	1.40	< 2	< 10	64	< 0.5	< 2	2.18	11	13	2.55	< 10	< 1	0.19
375458	< 5		< 0.2	< 0.5	< 1	542	< 1	21	< 2	64	2.10	< 2	< 10	98	0.6	< 2	3.36	16	15	3.83	< 10	< 1	0.28
375459	15		< 0.2	< 0.5	< 1	528	2	24	< 2	67	2.26	< 2	< 10	67	< 0.5	< 2	3.65	16	13	4.12	< 10	< 1	0.25
375460	43		< 0.2	< 0.5	2	507	8	24	6	90	2.74	26	< 10	152	0.8	< 2	3.69	16	16	4.24	< 10	< 1	0.61
375328B	< 5		< 0.2	< 0.5	15	376	< 1	15	3	60	1.38	< 2	< 10	63	< 0.5	< 2	2.88	11	13	2.55	< 10	< 1	0.22
375379B	19		< 0.2	< 0.5	58	533	< 1	14	5	29	0.56	5	< 10	56	< 0.5	< 2	3.00	10	12	2.41	< 10	< 1	0.22
375353B	1180		0.7	< 0.5	101	413	2	15	3	52	1.18	52	< 10	56	< 0.5	< 2	2.67	13	14	2.58	< 10	< 1	0.24
375414B	5		< 0.2	< 0.5	4	266	1	14	< 2	32	1.32	< 2	< 10	75	< 0.5	< 2	1.93	10	12	2.24	< 10	< 1	0.22
375414C	< 5		< 0.2	< 0.5	12	467	< 1	13	< 2	37	1.32	3	< 10	71	< 0.5	< 2	2.78	10	11	2.39	< 10	< 1	0.25

Results

Activation Laboratories Ltd.

Report: A17-10256

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
375666	5	1.1	< 0.5	4	438	< 1	14	< 2	53	1.38	< 2	< 10	88	< 0.5	< 2	2.62	9	22	2.31	< 10	< 1	0.34	24
375667	7	< 0.2	< 0.5	5	394	< 1	15	< 2	48	1.44	< 2	< 10	211	< 0.5	< 2	2.28	9	23	2.17	< 10	< 1	0.39	26
375668	5	< 0.2	< 0.5	3	518	< 1	14	< 2	55	1.38	< 2	< 10	101	< 0.5	< 2	3.12	9	18	2.34	< 10	< 1	0.28	23
375669	6	< 0.2	< 0.5	6	445	< 1	14	< 2	53	1.33	< 2	< 10	68	< 0.5	< 2	2.63	9	20	2.29	< 10	< 1	0.28	22
375670	6	< 0.2	< 0.5	6	370	< 1	16	< 2	54	1.46	< 2	< 10	84	< 0.5	< 2	1.78	9	23	2.31	< 10	< 1	0.37	26
375671	6	< 0.2	< 0.5	9	429	< 1	15	< 2	50	1.33	< 2	< 10	70	< 0.5	< 2	2.62	9	22	2.24	< 10	< 1	0.31	25
375672	6	< 0.2	< 0.5	8	429	< 1	14	< 2	49	1.33	< 2	< 10	80	< 0.5	< 2	2.68	9	20	2.18	< 10	< 1	0.37	25
375673	6	< 0.2	< 0.5	12	390	< 1	14	3	45	1.31	< 2	< 10	81	< 0.5	< 2	2.25	9	17	2.13	< 10	< 1	0.37	25
375674	6	< 0.2	< 0.5	8	342	< 1	14	< 2	40	1.27	< 2	< 10	97	< 0.5	< 2	2.01	8	17	1.94	< 10	< 1	0.41	25
375675	1060	0.9	1.3	194	599	5	98	39	265	3.33	17	< 10	163	< 0.5	< 2	2.15	17	83	3.55	< 10	< 1	0.32	< 10
375676	7	< 0.2	< 0.5	2	441	< 1	17	< 2	46	1.49	< 2	< 10	105	< 0.5	< 2	4.04	9	21	2.29	< 10	< 1	0.42	23

Results

Activation Laboratories Ltd.

Report: A17-09779

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
375803	8	< 0.2	< 0.5	43	404	< 1	19	< 2	56	1.29	4	< 10	110	< 0.5	< 2	2.31	11	20	2.53	< 10	< 1	0.25	28
375804	7	< 0.2	< 0.5	9	628	< 1	14	< 2	82	1.37	4	< 10	126	< 0.5	< 2	2.28	11	16	2.78	< 10	< 1	0.24	46
375805	8	< 0.2	< 0.5	48	566	< 1	16	< 2	98	1.29	14	< 10	92	< 0.5	< 2	2.63	10	12	2.64	< 10	< 1	0.27	30
375806	> 10000	49.4	27.1	437	177	< 1	10	38	1980	0.44	287	< 10	30	< 0.5	20	0.85	23	4	5.38	< 10	< 1	0.31	< 10
375807	> 10000	8.3	5.5	161	268	1	11	25	402	0.51	219	< 10	37	< 0.5	7	1.38	24	5	4.18	< 10	< 1	0.31	< 10
375808	27	< 0.2	< 0.5	15	481	1	14	< 2	77	1.28	6	< 10	85	< 0.5	< 2	2.36	10	16	2.63	< 10	< 1	0.19	35



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 Plus Appendix Pages
 Finalized Date: 26-SEP-2017
 Account: MELRES

Project: CARSCALLEN

CERTIFICATE OF ANALYSIS TM17196229

Sample Description	Method Analyte Units LOR	WER-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Reovd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bk	Ca	Cd	Co	Cr	Cu
		kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
W781041		1.96	0.009	<0.2	1.15	5	<10	40	<0.5	<2	1.86	<0.5	10	13	23	
W781042		2.08	<0.005	<0.2	1.13	<2	<10	40	<0.5	<2	2.29	<0.5	8	15	9	
W781043		2.33	<0.005	<0.2	1.03	11	<10	90	<0.5	<2	3.11	<0.5	8	8	3	
W781044		1.84	<0.005	<0.2	1.00	<2	<10	40	<0.5	<2	3.03	<0.5	7	13	29	
W781045		0.03	<0.005	<0.2	1.54	<2	<10	160	<0.5	<2	0.79	<0.5	8	12	50	
W781046		1.98	<0.005	<0.2	1.17	2	<10	50	<0.5	<2	1.84	<0.5	10	8	8	
W781047		2.08	<0.005	<0.2	1.81	2	<10	20	<0.5	<2	0.61	<0.5	11	25	6	
W781048		2.21	<0.005	<0.2	1.59	<2	<10	30	<0.5	<2	0.44	<0.5	10	15	2	
W781049		2.11	<0.005	<0.2	1.38	2	<10	30	<0.5	<2	0.52	<0.5	9	14	2	
W781050		1.17	<0.005	<0.2	2.64	<2	<10	10	<0.5	<2	1.76	<0.5	13	18	<1	
W781051		1.85	0.787	0.3	7.16	21	<10	10	0.7	<2	0.26	<0.5	27	16	<1	
W781052		2.31	<0.005	<0.2	2.19	3	<10	10	<0.5	<2	1.61	<0.5	13	16	<1	
W781053		2.17	0.089	<0.2	2.98	<2	<10	10	<0.5	<2	0.50	<0.5	16	19	<1	
W781054		2.54	<0.005	<0.2	1.55	<2	<10	30	<0.5	<2	0.53	<0.5	10	16	3	
W781055		0.03	3.13	0.4	1.72	13	<10	110	<0.5	<2	0.86	0.5	9	34	65	
W781056		1.45	<0.005	<0.2	3.01	3	<10	10	<0.5	<2	0.23	<0.5	17	23	<1	
W781057		1.67	<0.005	<0.2	2.43	<2	<10	10	<0.5	<2	0.33	<0.5	8	23	1	
W781058		2.32	0.598	1.9	2.52	145	<10	30	0.6	3	0.24	<0.5	25	12	20	
W781059		1.49	<0.005	<0.2	2.59	4	<10	10	<0.5	<2	0.43	<0.5	11	17	4	
W781060		1.91	<0.005	<0.2	2.54	3	<10	10	<0.5	<2	0.48	<0.5	9	19	4	
W781061		2.31	0.008	<0.2	2.72	19	<10	10	<0.5	3	0.47	<0.5	12	18	3	
W781062		0.96	<0.005	<0.2	2.20	6	<10	10	<0.5	2	0.42	<0.5	12	19	2	
W781063		2.01	<0.005	<0.2	2.00	3	<10	10	<0.5	<2	0.40	<0.5	8	16	1	
W781064		2.26	<0.005	<0.2	1.82	5	<10	10	<0.5	3	0.23	<0.5	10	16	2	
W781065		0.03	<0.005	<0.2	1.28	<2	<10	120	<0.5	<2	0.71	<0.5	8	15	61	
W781066		1.50	<0.005	<0.2	1.70	2	<10	10	<0.5	<2	0.25	<0.5	8	15	2	
W781067		3.15	0.097	0.3	1.85	109	<10	20	<0.5	2	0.39	<0.5	18	16	16	
W781068		2.24	<0.005	<0.2	1.68	2	<10	20	<0.5	2	0.30	<0.5	9	15	2	
W781069		1.80	<0.005	<0.2	1.74	4	<10	20	<0.5	<2	0.29	<0.5	9	15	2	
W781070		2.00	<0.005	<0.2	1.89	19	<10	20	<0.5	<2	0.24	<0.5	13	13	3	
W781071		1.54	<0.005	<0.2	1.96	5	<10	10	<0.5	2	0.74	<0.5	20	19	1	
W781072		2.47	0.016	<0.2	1.74	6	<10	10	<0.5	<2	0.33	<0.5	10	18	4	
W781073		2.95	0.019	<0.2	1.28	30	<10	20	<0.5	<2	0.49	<0.5	12	13	5	
W781074		1.91	<0.005	<0.2	1.19	7	<10	30	<0.5	<2	1.97	<0.5	9	16	12	
W781075		0.04	3.10	0.4	1.67	13	<10	110	<0.5	<2	0.83	0.5	9	33	64	
W781076		2.32	<0.005	<0.2	1.23	2	<10	30	<0.5	<2	1.96	<0.5	9	15	21	
W781077		1.28	0.024	<0.2	1.37	22	<10	30	<0.5	<2	3.48	<0.5	14	19	42	
W781078		1.98	<0.005	<0.2	1.23	3	<10	30	<0.5	<2	1.98	<0.5	9	16	19	
W781079		2.25	0.008	<0.2	1.03	14	<10	40	<0.5	<2	2.26	<0.5	10	12	18	
W781080		2.12	<0.005	<0.2	1.30	5	<10	30	<0.5	<2	2.31	<0.5	10	14	21	

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 Account: MELRES

Project: CARSCALLAN

CERTIFICATE OF ANALYSIS TMI 7221742

Sample Description	Method Analyte Units LOR	WB- 21	Au- AA23	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Revd Wt.	Au	Ag	Al	As	B	Ba	Be	Bk	Ca	Cd	Co	Cr	Cu	Fe		
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.02	<0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01		
W781273		2.36	<0.005	<0.2	1.23	4	<10	100	<0.5	<2	0.82	<0.5	10	13	15	2.07		
W781274		2.10	<0.005	<0.2	1.11	6	<10	60	<0.5	<2	0.48	<0.5	9	15	23	2.03		
W781275		0.03	2.82	0.4	1.75	14	<10	110	<0.5	2	0.93	<0.5	10	34	62	3.87		
W781276		1.75	<0.005	<0.2	1.20	5	<10	60	<0.5	<2	0.59	<0.5	10	13	13	2.29		
W781277		2.49	<0.005	0.3	1.22	7	<10	90	<0.5	<2	1.31	<0.5	11	14	21	2.22		
W781278		2.44	0.006	<0.2	1.27	6	<10	100	<0.5	<2	1.11	<0.5	11	14	14	2.10		
W781279		1.41	<0.005	<0.2	1.12	3	<10	70	<0.5	<2	1.75	<0.5	9	12	23	2.14		
W781280		2.07	<0.005	0.2	0.85	3	<10	50	<0.5	<2	1.28	<0.5	6	8	19	1.62		
W781281		1.95	<0.005	<0.2	1.13	4	<10	80	<0.5	<2	1.36	<0.5	9	13	16	2.04		
W781282		2.21	<0.005	<0.2	1.19	6	<10	80	<0.5	<2	1.25	<0.5	10	13	15	2.12		
W781283		2.36	<0.005	<0.2	1.18	12	<10	80	<0.5	<2	1.10	<0.5	11	14	14	2.01		
W781284		2.10	0.009	0.2	1.11	13	<10	40	<0.5	<2	2.28	<0.5	8	14	15	2.25		
W781285		0.05	<0.005	<0.2	1.36	<2	<10	120	<0.5	<2	0.80	<0.5	8	15	56	2.69		
W781286		2.39	0.005	0.2	0.90	23	<10	50	<0.5	<2	2.73	<0.5	9	11	22	1.92		
W781287		2.30	0.006	<0.2	0.98	14	<10	50	<0.5	2	2.75	<0.5	9	9	12	1.87		
W781288		1.71	<0.005	<0.2	1.17	9	<10	40	<0.5	<2	2.22	<0.5	9	15	13	2.35		
W781289		2.21	<0.005	<0.2	1.12	4	<10	70	<0.5	<2	1.77	<0.5	9	15	12	2.16		
W781290		1.70	<0.005	<0.2	1.22	5	<10	30	<0.5	<2	1.19	<0.5	11	17	33	2.38		
W781291		1.52	<0.005	<0.2	1.16	<2	<10	30	<0.5	<2	1.38	<0.5	9	13	25	2.41		
W781292		2.10	<0.005	<0.2	1.09	<2	<10	30	<0.5	<2	1.56	<0.5	8	12	19	2.10		
W781293		1.53	<0.005	<0.2	1.08	<2	<10	40	<0.5	<2	1.25	<0.5	9	12	14	2.09		
W781294		2.32	0.005	<0.2	1.06	<2	<10	30	<0.5	<2	1.25	<0.5	8	13	15	2.09		
W781295		0.04	3.13	0.3	1.64	12	<10	100	<0.5	<2	0.85	0.5	8	32	61	3.69		
W781296		3.01	0.012	<0.2	1.13	3	<10	60	<0.5	<2	1.47	<0.5	10	13	24	2.21		
W781297		1.81	0.165	0.3	1.09	8	<10	50	<0.5	<2	1.51	<0.5	13	12	64	2.48		
W781298		1.80	<0.005	<0.2	1.05	<2	<10	40	<0.5	<2	1.42	<0.5	9	14	13	2.10		
W781299		1.43	0.005	<0.2	1.06	<2	<10	40	<0.5	<2	1.32	<0.5	9	12	14	2.04		
W781300		2.29	<0.005	<0.2	1.13	2	<10	40	<0.5	<2	1.25	<0.5	8	12	14	2.08		
W781301		1.08	0.015	<0.2	0.83	3	<10	50	<0.5	<2	3.87	<0.5	8	7	66	1.78		
W781302		2.01	<0.005	<0.2	1.09	<2	<10	70	<0.5	<2	1.54	<0.5	10	14	19	2.14		
W781303		2.50	<0.005	<0.2	1.10	<2	<10	50	<0.5	<2	2.05	<0.5	9	10	12	2.11		
W781304		2.02	0.005	<0.2	1.15	<2	<10	40	<0.5	<2	1.56	<0.5	9	12	12	2.21		
W781305		0.05	0.006	<0.2	1.31	<2	<10	120	<0.5	<2	0.76	<0.5	8	15	60	2.76		
W781306		2.71	<0.005	<0.2	1.14	<2	<10	40	<0.5	<2	1.38	<0.5	10	15	10	2.18		
W781307		2.91	<0.005	<0.2	1.31	<2	<10	30	<0.5	<2	0.79	<0.5	10	16	9	2.47		

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Project: CARSCALLLEN

CERTIFICATE OF ANALYSIS TM17205950

Sample Description	Method Analyte Units LOR	WE-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Reod Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	
		kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	
W781347		1.92	0.011		0.2	1.03	4	<10	70	<0.5	<2	0.75	<0.5	9	11	62	
W781348		2.56	0.010		<0.2	1.06	6	<10	70	<0.5	<2	0.36	<0.5	10	12	51	
W781349		1.12	0.020		<0.2	1.03	8	<10	70	<0.5	<2	0.32	<0.5	9	10	51	
W781350		2.11	<0.005		<0.2	1.18	5	<10	60	<0.5	<2	0.42	<0.5	11	12	29	
W781351		2.02	0.006		<0.2	1.46	6	<10	40	<0.5	<2	0.72	<0.5	15	17	29	
W781352		2.32	<0.005		<0.2	1.13	6	<10	40	<0.5	<2	2.41	<0.5	8	12	22	
W781353		1.73	0.013		<0.2	1.46	21	<10	40	<0.5	<2	7.0	0.5	13	3	17	
W781354		1.06	0.015		<0.2	0.71	13	<10	40	<0.5	2	4.32	<0.5	7	2	6	
W781355		0.05	3.16		0.4	1.68	13	<10	100	<0.5	2	0.87	0.5	9	31	63	
W781356		1.91	0.015		<0.2	0.99	7	<10	40	<0.5	<2	2.99	<0.5	7	6	65	
W781357		1.54	<0.005		<0.2	1.04	6	<10	40	<0.5	<2	2.26	<0.5	7	13	25	
W781358		1.40	<0.005		<0.2	1.17	4	<10	30	<0.5	<2	2.72	<0.5	8	13	7	
W781359		2.24	0.006		0.2	1.22	11	<10	40	<0.5	<2	1.88	<0.5	12	13	53	
W781360		2.63	<0.005		0.2	1.29	9	<10	30	<0.5	<2	1.73	<0.5	12	13	61	
W781361		2.20	<0.005		<0.2	1.19	7	<10	40	<0.5	<2	2.37	<0.5	9	15	16	
W781362		1.39	<0.005		<0.2	1.18	15	<10	40	<0.5	<2	1.91	<0.5	11	14	46	
W781363		1.63	0.009		<0.2	0.96	28	<10	40	<0.5	<2	2.41	<0.5	10	9	32	
W781364		0.72	>10.0	17.50	16.5	0.37	762	<10	20	<0.5	27	1.16	6.8	46	2	421	
W781365		0.05	0.006		<0.2	1.31	2	<10	120	<0.5	<2	0.76	<0.5	8	14	58	
W781366		2.59	0.359		0.6	0.84	70	<10	40	<0.5	<2	2.38	0.8	11	7	41	
W781367		1.70	0.111		0.2	1.04	28	<10	40	<0.5	<2	2.84	<0.5	10	13	32	
W781368		1.02	<0.005		<0.2	1.11	11	<10	40	<0.5	<2	2.23	<0.5	10	15	16	
W781369		1.67	<0.005		<0.2	1.11	7	<10	30	<0.5	<2	2.02	<0.5	12	16	9	
W781370		0.64	<0.005		<0.2	1.16	5	<10	30	<0.5	<2	1.29	<0.5	15	14	188	
W781371		2.01	<0.005		<0.2	1.39	2	<10	30	<0.5	<2	0.60	<0.5	10	15	7	
W781372		2.36	<0.005		<0.2	1.14	4	<10	30	<0.5	<2	2.12	<0.5	10	14	28	
W781373		0.64	<0.005		<0.2	0.97	4	<10	30	<0.5	<2	2.69	<0.5	7	11	7	
W781374		2.36	<0.005		<0.2	1.51	<2	<10	20	<0.5	<2	0.53	<0.5	10	15	5	
W781375		0.05	3.14		0.4	1.73	14	<10	110	<0.5	<2	0.89	0.6	10	33	64	
W781376		2.08	0.005		<0.2	1.80	<2	<10	20	<0.5	<2	0.40	<0.5	11	16	6	
W781377		2.25	<0.005		<0.2	1.68	2	<10	20	<0.5	<2	0.48	<0.5	11	16	7	
W781378		2.13	<0.005		<0.2	1.87	<2	<10	20	<0.5	<2	0.31	<0.5	11	17	4	
W781379		1.64	<0.005		<0.2	1.73	<2	<10	20	<0.5	<2	0.33	<0.5	10	17	7	
W781380		2.13	<0.005		<0.2	1.99	<2	<10	10	<0.5	<2	0.40	<0.5	13	18	5	
W781381		1.72	<0.005		<0.2	2.24	2	<10	10	<0.5	<2	0.59	<0.5	15	19	5	
W781382		2.06	<0.005		<0.2	2.75	2	<10	10	<0.5	<2	0.24	<0.5	16	19	4	
W781383		1.54	0.043		<0.2	2.18	4	<10	30	<0.5	<2	0.20	<0.5	18	14	19	
W781384		1.76	<0.005		<0.2	1.84	3	<10	20	<0.5	<2	0.22	<0.5	13	15	6	
W781385		0.03	<0.005		<0.2	1.22	<2	<10	110	<0.5	<2	0.71	<0.5	8	13	56	
W781386		0.51	0.008		<0.2	0.66	10	<10	20	<0.5	<2	0.08	<0.5	10	3	28	

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Project: CARSCALLLEN

CERTIFICATE OF ANALYSIS TM17205950

Sample Description	Method Analyte Units LOR	WB- 21	Au- AA23	Au- GR-A21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Reod Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
		kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
W781387		2.23	<0.005		<0.2	1.75	<2	<10	30	<0.5	<2	0.27	<0.5	11	17	8
W781388		2.51	<0.005		<0.2	1.78	<2	<10	30	<0.5	<2	0.27	<0.5	10	16	6
W781389		2.05	<0.005		<0.2	1.95	<2	<10	20	<0.5	<2	0.32	<0.5	11	18	9
W781390		2.06	0.013		<0.2	1.92	<2	<10	10	<0.5	<2	0.37	<0.5	13	19	5
W781391		0.99	<0.005		<0.2	1.56	<2	<10	30	<0.5	<2	0.32	<0.5	9	16	6
W781392		0.82	6.63		2.0	1.38	112	<10	50	<0.5	<2	0.19	0.8	15	10	22
W781393		1.45	<0.005		<0.2	1.78	<2	<10	30	<0.5	<2	0.23	<0.5	9	16	6
W781394		2.12	<0.005		<0.2	3.22	<2	<10	10	0.5	<2	0.26	<0.5	18	21	4
W781395		0.03	3.06		0.5	1.72	12	<10	110	<0.5	<2	0.94	0.6	9	32	62
W781396		0.96	0.005		<0.2	5.47	3	<10	10	<0.5	<2	0.67	<0.5	28	17	3
W781397		1.46	<0.005		<0.2	2.39	<2	<10	10	<0.5	<2	0.69	<0.5	14	21	4
W781398		2.09	0.006		<0.2	4.09	<2	<10	10	0.6	<2	0.28	<0.5	16	22	6
W781399		0.66	0.079		0.3	2.50	5	<10	120	<0.5	<2	0.32	<0.5	14	22	6
W781400		1.67	0.017		<0.2	6.51	4	<10	<10	0.5	<2	0.92	<0.5	36	332	5

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CERTIFICATE OF ANALYSIS TM17214243

Sample Description	Method Analyte Units LOR	WB-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Reod Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W781491		2.36	<0.005	<0.2	1.11	11	<10	50	<0.5	<2	1.07	<0.5	11	14	9	2.08
W781492		2.36	<0.005	<0.2	1.02	7	<10	50	<0.5	<2	1.13	<0.5	8	14	10	1.90
W781493		1.46	0.006	<0.2	1.12	7	<10	40	<0.5	<2	2.38	<0.5	8	13	9	2.14
W781494		1.83	<0.005	<0.2	1.24	10	<10	50	<0.5	<2	1.56	<0.5	12	16	15	2.26
W781495		0.07	1.195	0.5	2.76	17	<10	160	<0.5	<2	1.78	1.2	16	68	181	3.13
W781496		2.57	<0.005	<0.2	1.21	6	<10	50	<0.5	<2	1.33	<0.5	9	17	17	2.16
W781497		3.17	<0.005	<0.2	1.20	<2	<10	30	<0.5	<2	0.88	<0.5	9	15	3	2.20
W781498		2.59	<0.005	<0.2	1.40	<2	<10	50	<0.5	<2	0.83	<0.5	9	17	3	2.28
W781499		1.88	<0.005	<0.2	1.46	<2	<10	30	<0.5	<2	0.55	<0.5	10	19	4	2.46
W781500		2.81	<0.005	<0.2	1.42	<2	<10	50	<0.5	2	0.66	<0.5	9	17	2	2.29
W781501		2.40	0.021	<0.2	1.87	<2	<10	40	<0.5	<2	0.48	<0.5	9	19	2	2.75
W781502		2.06	<0.005	<0.2	1.58	2	<10	30	<0.5	<2	0.45	<0.5	9	17	1	2.48
W781503		1.74	0.006	<0.2	1.60	<2	<10	30	<0.5	<2	0.36	<0.5	9	16	1	2.59
W781504		2.17	<0.005	<0.2	1.58	2	<10	30	<0.5	<2	0.50	<0.5	9	18	1	2.45
W781505		0.07	<0.005	0.2	1.31	<2	<10	120	<0.5	<2	0.76	<0.5	7	14	64	2.57
W781506		2.02	<0.005	<0.2	1.57	2	<10	40	<0.5	<2	0.50	<0.5	10	17	3	2.48
W781507		2.22	<0.005	<0.2	1.46	2	<10	40	<0.5	<2	0.54	<0.5	10	17	2	2.42
W781508		2.47	<0.005	<0.2	1.39	2	<10	40	<0.5	<2	0.51	<0.5	9	15	1	2.19
W781509		1.84	<0.005	<0.2	1.68	<2	<10	40	<0.5	<2	0.45	<0.5	9	16	1	2.50
W781510		2.09	0.009	<0.2	1.70	2	<10	30	<0.5	2	0.43	<0.5	9	17	2	2.65
W781511		1.90	<0.005	<0.2	1.68	2	<10	30	<0.5	<2	0.36	<0.5	8	17	1	2.54
W781512		2.10	<0.005	<0.2	1.75	4	<10	30	<0.5	<2	0.29	<0.5	7	18	1	2.86
W781513		2.35	<0.005	<0.2	1.72	5	<10	20	<0.5	2	0.29	<0.5	6	18	2	2.73
W781514		0.93	0.005	<0.2	1.92	18	<10	30	<0.5	<2	0.27	<0.5	7	15	3	2.88
W781515		0.07	1.145	0.7	2.73	17	<10	160	<0.5	<2	1.76	1.2	16	66	175	3.02
W781516		1.17	0.465	0.7	1.23	149	<10	40	<0.5	3	0.18	<0.5	17	7	14	3.36
W781517		1.72	0.694	1.2	0.60	289	<10	40	<0.5	6	0.15	0.6	19	7	49	4.07
W781518		2.17	0.189	0.5	1.35	99	<10	40	<0.5	2	0.19	<0.5	17	7	16	3.57
W781519		0.67	<0.005	<0.2	1.55	5	<10	10	<0.5	<2	0.43	<0.5	4	18	2	2.68
W781520		1.18	0.013	<0.2	1.80	9	<10	10	<0.5	<2	0.31	<0.5	8	15	2	2.84
W781521		2.16	<0.005	<0.2	1.73	4	<10	10	<0.5	<2	0.39	<0.5	7	22	3	2.94
W781522		1.79	<0.005	<0.2	1.69	6	<10	10	<0.5	<2	0.42	<0.5	5	19	2	2.84
W781523		1.55	0.039	0.3	1.53	46	<10	30	<0.5	<2	0.22	<0.5	12	11	12	3.27
W781524		Not Recod														
W781525		0.07	0.006	<0.2	1.36	2	<10	120	<0.5	<2	0.80	<0.5	8	14	55	2.62
W781526		0.70	<0.005	<0.2	1.89	11	<10	20	<0.5	2	0.25	<0.5	9	15	2	2.82
W781527		2.24	<0.005	<0.2	1.85	2	<10	30	<0.5	<2	0.33	<0.5	6	18	2	3.03
W781528		1.20	0.007	<0.2	2.32	12	<10	40	<0.5	<2	0.42	<0.5	15	18	2	3.60
W781529		2.28	<0.005	<0.2	1.98	3	<10	30	<0.5	<2	0.22	<0.5	6	17	1	3.11
W781530		2.46	0.007	<0.2	2.34	5	<10	10	<0.5	<2	1.69	<0.5	10	19	2	3.60

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To: MELKIOR RESOURCES INC.
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Project: CARSCALLLEN

CERTIFICATE OF ANALYSIS TM17214243

Sample Description	Method Analyte Units LOR	WER 21	Au- AA23	ME-KCP41	ME-KCP41	ME-KCP41	ME-KCP41	ME-KCP41	ME-KCP41	ME-KCP41	ME-KCP41	ME-KCP41	ME-KCP41	ME-KCP41	ME-KCP41	ME-KCP41	ME-KCP41	
		Revd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe		
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	1	0.01	
W781531		2.03	0.180	0.5	4.18	82	<10	10	<0.5	4	0.30	<0.5	20	19	12	5.97		
W781532		1.80	<0.005	<0.2	2.80	5	<10	10	<0.5	<2	0.47	<0.5	11	20	1	4.11		
W781533		2.47	0.006	<0.2	1.74	6	<10	20	<0.5	<2	0.70	<0.5	10	19	2	2.70		
W781534		1.70	<0.005	<0.2	1.78	3	<10	30	<0.5	<2	0.36	<0.5	7	16	1	2.50		
W781535		0.06	3.21	0.6	1.78	13	<10	110	<0.5	2	0.94	<0.5	9	34	64	3.83		
W781536		2.35	<0.005	<0.2	1.85	3	<10	30	<0.5	<2	0.47	<0.5	10	16	2	2.81		
W781537		1.12	<0.005	<0.2	2.01	9	<10	40	<0.5	<2	0.31	<0.5	12	15	3	2.90		
W781538		2.62	0.028	0.2	1.99	45	<10	50	<0.5	<2	0.27	<0.5	14	14	5	3.19		
W781539		1.23	0.006	0.2	2.15	20	<10	40	<0.5	<2	0.32	<0.5	13	14	3	3.12		
W781540		1.46	0.010	0.2	1.58	24	<10	40	<0.5	<2	0.47	<0.5	12	14	6	2.90		
W781541		1.08	<0.005	<0.2	1.41	2	<10	30	<0.5	<2	1.83	<0.5	8	18	2	2.74		
W781542		1.45	<0.005	<0.2	1.20	11	<10	40	<0.5	<2	2.06	<0.5	9	17	14	2.41		
W781543		1.48	0.017	<0.2	1.08	22	<10	60	<0.5	<2	2.41	<0.5	11	12	12	2.37		
W781544		1.39	0.097	0.3	0.93	64	<10	50	<0.5	2	1.74	<0.5	11	9	14	2.40		
W781545		0.06	<0.005	<0.2	1.39	<2	<10	120	<0.5	<2	0.80	<0.5	7	15	80	2.76		
W781546		1.81	0.012	<0.2	1.14	14	<10	50	<0.5	<2	2.59	<0.5	10	14	9	2.31		
W781547		1.28	0.007	<0.2	1.14	14	<10	50	<0.5	3	2.16	<0.5	9	15	3	2.37		
W781548		2.45	<0.005	<0.2	1.19	12	<10	40	<0.5	<2	1.66	<0.5	10	16	6	2.27		
W781549		2.08	0.025	<0.2	1.16	13	<10	30	<0.5	<2	1.93	<0.5	9	15	7	2.36		
W781550		2.26	<0.005	<0.2	1.22	16	<10	40	<0.5	<2	2.19	<0.5	9	16	18	2.42		
W781551		1.57	<0.005	<0.2	1.17	14	<10	40	<0.5	<2	2.18	<0.5	9	15	9	2.26		
W781552		1.36	0.016	0.2	0.94	63	<10	40	<0.5	<2	2.75	<0.5	9	9	11	2.22		
W781553		1.71	0.197	0.5	1.41	90	<10	30	<0.5	<2	3.93	<0.5	11	9	15	3.30		
W781554		1.86	0.005	<0.2	1.12	12	<10	40	<0.5	<2	2.15	<0.5	9	14	7	2.31		
W781555		0.06	3.23	0.5	1.76	12	<10	110	<0.5	2	0.91	0.5	9	34	64	3.90		
W781556		1.26	<0.005	0.2	1.20	12	<10	40	<0.5	2	1.80	<0.5	9	17	6	2.30		
W781557		0.67	<0.005	0.2	0.87	8	<10	30	<0.5	<2	1.53	<0.5	6	13	6	1.81		
W781558		2.06	0.007	0.3	1.17	9	<10	50	<0.5	<2	2.39	<0.5	12	15	99	2.34		
W781559		2.90	<0.005	<0.2	1.17	7	<10	40	<0.5	3	2.11	<0.5	9	16	10	2.39		
W781560		0.97	0.007	<0.2	1.13	17	<10	60	<0.5	<2	2.56	<0.5	10	14	36	2.27		
W781561		1.93	<0.005	0.2	1.19	7	<10	50	<0.5	<2	2.26	<0.5	10	16	4	2.42		
W781562		0.90	0.012	0.3	1.21	24	<10	60	<0.5	<2	2.58	<0.5	13	13	35	2.77		
W781563		1.54	<0.005	<0.2	1.36	5	<10	50	<0.5	<2	2.36	<0.5	10	17	6	2.68		
W781564		2.09	<0.005	<0.2	1.11	7	<10	50	<0.5	2	2.68	<0.5	8	13	9	2.31		
W781565		0.03	0.016	<0.2	1.38	<2	<10	120	<0.5	<2	0.79	<0.5	8	15	80	2.72		
W781566		1.36	<0.005	<0.2	1.22	4	<10	40	<0.5	<2	2.20	<0.5	9	15	6	2.42		
W781567		1.66	<0.005	0.2	1.13	8	<10	50	<0.5	<2	2.26	<0.5	10	14	7	2.38		
W781568		1.85	<0.005	<0.2	1.17	6	<10	50	<0.5	3	2.09	<0.5	9	15	6	2.41		
W781569		1.87	0.005	<0.2	1.15	4	<10	40	<0.5	<2	2.10	<0.5	8	16	6	2.42		
W781570		2.78	<0.005	<0.2	1.28	5	<10	50	<0.5	<2	2.30	<0.5	9	17	6	2.56		

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Project: CARSCALLLEN

CERTIFICATE OF ANALYSIS TM17214243

Sample Description	Method Analyte Units LOR	WB-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Reod Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	
W781571		1.08	0.009	<0.2	1.08	14	<10	50	<0.5	<2	3.24	<0.5	10	12	6	2.56	
W781572		1.58	<0.005	<0.2	1.29	5	<10	40	<0.5	<2	2.52	<0.5	9	16	6	2.64	
W781573		1.28	<0.005	<0.2	1.26	6	<10	40	<0.5	<2	2.25	<0.5	8	15	8	2.64	
W781574		2.27	0.021	<0.2	1.28	10	<10	40	<0.5	<2	2.80	<0.5	10	13	5	2.60	
W781575		0.03	3.39	0.5	1.75	12	<10	110	<0.5	<2	0.90	0.5	9	34	63	3.86	
W781576		0.52	0.005	<0.2	1.14	9	<10	30	<0.5	<2	2.66	<0.5	9	11	4	2.57	
W781577		1.56	0.103	0.3	0.87	73	<10	30	<0.5	2	2.67	<0.5	10	4	14	2.45	
W781578		2.01	0.084	0.5	1.18	56	<10	40	<0.5	2	2.50	<0.5	9	6	14	2.58	
W781579		2.37	0.180	1.0	1.12	433	<10	30	<0.5	<2	2.56	<0.5	14	5	129	3.35	
W781580		2.36	0.011	0.7	1.19	177	<10	30	<0.5	<2	3.11	<0.5	11	8	19	2.74	
W781581		2.45	0.015	0.4	1.08	128	<10	30	<0.5	2	3.42	<0.5	11	6	25	2.78	
W781582		2.29	0.008	0.2	0.89	141	<10	30	<0.5	<2	2.71	<0.5	9	9	14	2.65	
W781583		1.78	<0.005	<0.2	1.02	97	<10	30	<0.5	<2	2.74	<0.5	11	12	13	2.83	
W781584		1.79	0.098	0.5	0.59	2360	<10	30	<0.5	<2	4.29	<0.5	10	5	21	2.86	
W781585		0.03	<0.005	<0.2	1.47	5	<10	120	<0.5	<2	0.86	<0.5	8	15	61	2.82	
W781586		2.32	0.118	0.5	0.43	1685	<10	30	<0.5	2	4.04	0.5	11	4	22	2.44	
W781587		0.85	0.010	0.2	1.34	27	<10	30	<0.5	<2	2.58	<0.5	9	10	11	2.90	
W781588		0.95	<0.005	<0.2	1.28	12	<10	50	<0.5	<2	2.48	<0.5	10	15	7	2.85	
W781589		2.18	<0.005	<0.2	0.90	8	<10	70	<0.5	<2	2.29	<0.5	8	15	4	2.21	
W781590		0.77	<0.005	0.2	1.83	9	<10	560	1.7	3	5.26	<0.5	38	94	103	5.26	

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Project: CARSCALLEN

CERTIFICATE OF ANALYSIS TMI 7216070

Sample Description	Method Analyte Units LOR	WB- 21	Au- AA23	ME- IC#41	ME- IC#41	ME- IC#41	ME- IC#41	ME- IC#41	ME- IC#41	ME- IC#41	ME- IC#41	ME- IC#41	ME- IC#41	ME- IC#41	ME- IC#41	ME- IC#41	ME- IC#41	
		Revd Wt.	Au	Ag	Al	As	B	Ba	Be	Bk	Ca	Cd	Co	Cr	Cu	Fe		
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01		
W781591		2.63	<0.005	<0.2	2.38	8	40	820	1.8	<2	4.86	<0.5	77	209	137	9.72		
W781592		1.04	0.121	<0.2	1.51	9	<10	370	0.8	3	3.71	<0.5	34	117	76	4.81		
W781593		2.07	<0.005	<0.2	0.47	4	<10	70	<0.5	<2	1.76	<0.5	6	12	14	1.13		
W781594		3.11	0.005	<0.2	1.10	7	<10	70	<0.5	<2	1.59	<0.5	9	15	7	2.20		
W781595		0.05	3.37	0.4	1.71	12	<10	110	<0.5	<2	0.90	0.5	9	34	63	3.78		
W781596		0.81	0.009	<0.2	0.85	8	<10	60	<0.5	<2	2.74	<0.5	10	12	31	1.83		
W781597		1.06	0.007	<0.2	1.42	4	<10	40	<0.5	<2	3.40	<0.5	11	11	2	2.96		
W781598		0.92	<0.005	<0.2	1.08	5	<10	60	<0.5	<2	1.62	<0.5	9	15	9	2.10		
W781599		0.85	<0.005	<0.2	1.07	7	<10	70	<0.5	2	1.53	<0.5	9	14	10	2.07		
W781600		0.62	0.005	<0.2	1.14	11	<10	70	<0.5	<2	3.72	<0.5	11	11	26	2.33		
W781601		0.97	<0.005	<0.2	1.08	6	<10	60	<0.5	2	1.88	<0.5	8	15	6	2.16		
W781602		0.49	0.005	<0.2	0.94	8	<10	80	<0.5	<2	1.87	<0.5	9	12	19	1.92		
W781603		2.14	<0.005	<0.2	1.10	11	<10	60	<0.5	<2	2.03	<0.5	9	16	8	2.34		
W781604		2.25	<0.005	<0.2	1.07	9	<10	60	<0.5	<2	1.93	<0.5	8	16	12	2.04		
W781605		0.05	0.005	<0.2	1.31	<2	<10	120	<0.5	<2	0.76	<0.5	7	15	57	2.61		
W781606		0.74	<0.005	<0.2	1.03	5	<10	40	<0.5	2	2.72	<0.5	5	13	2	2.08		
W781607		0.73	<0.005	<0.2	1.13	8	<10	70	<0.5	<2	1.75	<0.5	9	17	10	2.13		
W781608		1.27	<0.005	<0.2	1.17	11	<10	50	<0.5	<2	2.13	<0.5	11	15	12	2.44		
W781609		1.83	<0.005	<0.2	1.08	15	<10	60	<0.5	<2	1.95	<0.5	10	15	6	2.04		
W781610		1.33	<0.005	<0.2	1.07	15	<10	50	<0.5	<2	2.77	<0.5	11	14	13	2.15		
W781611		0.81	<0.005	<0.2	0.85	15	<10	70	<0.5	<2	3.15	<0.5	7	11	7	1.54		
W781612		1.85	<0.005	<0.2	1.19	10	<10	40	<0.5	2	1.45	<0.5	10	17	7	2.31		
W781613		0.85	<0.005	<0.2	1.32	7	<10	50	<0.5	<2	1.86	<0.5	6	13	12	2.53		
W781614		1.37	0.007	<0.2	0.91	18	<10	50	<0.5	<2	2.52	<0.5	6	12	13	1.76		
W781615		0.05	1.385	0.7	2.73	17	<10	160	<0.5	<2	1.78	1.1	16	67	178	3.09		
W781616		2.21	0.025	0.2	0.99	25	<10	60	<0.5	<2	2.57	<0.5	8	11	21	2.20		
W781617		1.23	<0.005	<0.2	1.00	11	<10	50	<0.5	<2	2.45	<0.5	8	15	5	2.24		
W781618		0.71	0.029	0.2	1.25	18	<10	50	<0.5	<2	2.84	<0.5	14	14	29	3.21		
W781619		2.57	<0.005	<0.2	1.13	9	<10	50	<0.5	2	2.19	<0.5	9	17	13	2.43		
W781620		2.50	0.006	0.2	1.13	11	<10	40	<0.5	3	2.10	<0.5	9	17	69	2.32		
W781621		1.52	<0.005	0.2	1.11	11	<10	50	<0.5	<2	2.09	<0.5	10	17	9	2.39		
W781622		0.67	<0.005	<0.2	0.72	5	<10	30	<0.5	<2	5.59	<0.5	5	9	4	1.50		
W781623		4.52	0.006	0.3	1.60	12	<10	40	<0.5	<2	1.65	<0.5	10	17	39	4.42		
W781624		1.73	<0.005	<0.2	1.17	9	<10	40	<0.5	<2	2.11	<0.5	9	17	8	2.37		
W781625		0.04	0.008	<0.2	1.37	<2	<10	120	<0.5	<2	0.81	<0.5	8	14	57	2.59		
W781626		2.68	<0.005	<0.2	1.26	12	<10	40	<0.5	<2	1.87	<0.5	10	17	5	2.48		
W781627		1.23	0.006	<0.2	1.13	16	<10	40	<0.5	3	2.48	<0.5	9	14	7	2.42		
W781628		1.54	<0.005	<0.2	1.21	14	<10	40	<0.5	<2	2.25	<0.5	9	15	8	2.48		
W781629		2.18	0.039	0.3	0.87	34	<10	50	<0.5	<2	2.44	<0.5	10	9	20	1.98		
W781630		1.08	0.010	<0.2	1.07	17	<10	40	<0.5	<2	2.39	<0.5	11	12	12	2.42		

Comments: Sample W781644 contaminated during crushing. Sample run upon client confirmation.

**** See Appendix Page for comments regarding this certificate ****



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To: MELKIOR RESOURCES INC.
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 Finalized Date: 19- OCT- 2017
 Account: MELRES

Project: CARSCALLLEN

CERTIFICATE OF ANALYSIS TMI 7216070

Method Analyte Units LOR	WB- 21	Au- AA23	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bk	Ca	Cd	Co	Cr	Cu	Fe			
kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%
Sample Description	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01			
W781631	1.49	<0.005	<0.2	1.24	12	<10	30	<0.5	<2	2.12	<0.5	10	16	4	2.48			
W781632	2.09	<0.005	<0.2	1.16	11	<10	40	<0.5	<2	1.96	<0.5	9	16	6	2.36			
W781633	2.59	0.006	<0.2	1.13	8	<10	50	<0.5	<2	2.48	<0.5	9	14	10	2.36			
W781634	2.45	<0.005	<0.2	1.19	11	<10	40	<0.5	2	2.41	<0.5	9	17	10	2.49			
W781635	0.05	3.27	0.4	1.71	14	<10	110	<0.5	2	0.93	0.6	9	34	62	3.73			
W781636	2.04	0.008	0.2	1.12	21	<10	50	<0.5	<2	2.93	<0.5	10	13	14	2.35			
W781637	2.24	<0.005	<0.2	1.07	16	<10	40	<0.5	<2	2.77	<0.5	8	13	13	2.34			
W781638	1.76	<0.005	<0.2	1.10	13	<10	40	<0.5	2	2.82	<0.5	10	13	7	2.28			
W781639	1.15	<0.005	<0.2	1.07	14	<10	40	<0.5	<2	2.89	<0.5	9	12	6	2.29			
W781640	3.04	0.019	0.4	0.93	24	<10	40	<0.5	2	2.79	<0.5	9	7	15	2.06			
W781641	0.89	<0.005	<0.2	1.09	17	<10	30	<0.5	<2	2.33	<0.5	9	12	23	2.32			
W781642	1.40	<0.005	<0.2	1.20	14	<10	40	<0.5	<2	2.42	<0.5	9	15	8	2.46			
W781643	1.30	<0.005	<0.2	1.28	13	<10	40	<0.5	<2	2.85	<0.5	10	14	4	2.72			
W781644	0.46	0.013	<0.2	0.96	13	<10	50	<0.5	<2	1.84	<0.5	11	20	18	1.90			
W781645	0.05	<0.005	<0.2	1.38	<2	<10	120	<0.5	<2	0.82	<0.5	8	14	57	2.62			
W781646	2.47	<0.005	0.3	1.11	9	<10	40	<0.5	<2	2.51	<0.5	8	16	176	2.25			
W781647	2.76	<0.005	<0.2	1.08	6	<10	60	<0.5	<2	1.92	<0.5	9	14	15	2.38			
W781648	2.90	<0.005	<0.2	1.10	7	<10	50	<0.5	<2	2.14	<0.5	10	15	9	2.40			
W781649	1.99	0.012	<0.2	1.11	6	<10	40	<0.5	<2	2.42	<0.5	9	14	5	2.24			
W781650	2.56	<0.005	<0.2	1.10	8	<10	50	<0.5	<2	2.48	<0.5	9	14	10	2.30			
W781651	0.89	<0.005	<0.2	0.95	5	<10	50	<0.5	2	2.63	<0.5	8	13	8	2.18			
W781652	0.77	<0.005	<0.2	1.02	8	<10	50	<0.5	<2	2.60	<0.5	9	14	5	2.22			
W781653	1.84	<0.005	<0.2	1.01	6	<10	40	<0.5	<2	2.67	<0.5	9	14	9	2.18			
W781654	0.98	0.020	<0.2	1.07	9	<10	40	<0.5	<2	2.48	<0.5	10	13	21	2.22			
W781655	0.05	1.435	0.7	2.92	18	<10	170	<0.5	<2	1.90	1.2	16	70	181	3.20			
W781656	2.11	0.016	<0.2	0.72	18	<10	50	<0.5	<2	3.03	<0.5	8	8	7	1.82			
W781657	1.53	0.007	<0.2	1.11	10	<10	40	<0.5	<2	2.47	<0.5	9	13	18	2.33			
W781658	0.87	0.027	0.5	0.90	12	<10	50	<0.5	<2	2.22	<0.5	12	11	130	2.26			
W781659	3.68	<0.005	<0.2	1.14	3	<10	50	<0.5	<2	2.24	<0.5	9	13	66	2.36			
W781660	2.21	<0.005	0.2	1.03	3	<10	50	<0.5	<2	2.37	<0.5	9	11	16	2.54			
W781661	1.51	0.029	0.2	1.02	2	<10	40	<0.5	<2	2.45	<0.5	8	13	47	2.21			
W781662	1.65	0.041	1.2	0.95	11	<10	40	<0.5	3	2.04	<0.5	11	7	314	2.33			
W781663	1.47	0.038	0.6	1.12	3	<10	40	<0.5	2	3.02	<0.5	10	14	194	2.46			
W781664	0.83	0.008	<0.2	0.31	4	<10	40	<0.5	<2	0.89	<0.5	3	4	9	0.58			
W781665	0.05	<0.005	<0.2	1.32	2	<10	120	<0.5	<2	0.79	<0.5	8	14	58	2.78			
W781666	0.83	0.007	0.4	0.64	2	<10	40	<0.5	<2	1.77	<0.5	5	10	20	1.42			
W781667	0.84	0.062	1.0	0.89	10	<10	40	<0.5	2	2.72	<0.5	15	11	387	2.59			
W781668	0.87	0.026	1.2	1.09	5	<10	40	<0.5	<2	2.13	<0.5	13	11	261	3.78			
W781669	2.30	0.006	0.2	1.07	2	<10	40	<0.5	<2	1.74	<0.5	10	14	41	2.31			
W781670	0.73	0.089	3.6	1.10	36	<10	50	<0.5	2	1.66	<0.5	16	13	1880	3.25			

Comments: Sample W781644 contaminated during crushing. Sample run upon client confirmation.

**** See Appendix Page for comments regarding this certificate ****



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Project: CARSCALLLEN

CERTIFICATE OF ANALYSIS TMI7216070

Sample Description	Method Analyte Units LOR	WB-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Record Wt.	Au	Ag	Al	As	B	Ba	Be	B	Ca	Cd	Co	Cr	Cu	Fe		
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
W781671		2.02	0.023	0.6	0.91	<2	<10	50	<0.5	<2	1.56	<0.5	9	14	157	2.43		
W781672		1.31	<0.005	<0.2	1.01	<2	<10	50	<0.5	2	2.26	<0.5	10	15	19	2.31		
W781673		2.17	<0.005	<0.2	1.04	<2	<10	70	<0.5	<2	1.10	<0.5	9	15	10	2.10		
W781674		2.31	<0.005	<0.2	1.16	<2	<10	50	<0.5	<2	1.20	<0.5	10	15	8	2.19		
W781675		0.03	1.230	0.7	2.75	17	<10	170	<0.5	<2	1.89	1.4	17	70	179	3.24		
W781676		2.56	<0.005	<0.2	1.46	2	<10	30	<0.5	<2	0.96	<0.5	10	18	2	2.49		
W781677		2.46	<0.005	<0.2	1.65	2	<10	30	<0.5	<2	0.42	<0.5	10	19	2	2.65		
W781678		3.13	<0.005	<0.2	1.56	<2	<10	30	<0.5	<2	0.47	<0.5	9	18	1	2.49		
W781679		0.90	0.080	0.2	1.87	9	<10	30	<0.5	<2	0.67	<0.5	15	15	186	3.23		
W781680		2.69	<0.005	<0.2	1.24	4	<10	40	<0.5	<2	0.83	<0.5	10	15	7	2.39		
W781681		1.16	0.010	<0.2	1.20	11	<10	50	<0.5	<2	2.40	<0.5	11	14	15	2.54		
W781682		1.75	0.034	<0.2	0.71	17	<10	50	<0.5	<2	1.59	<0.5	9	8	50	1.61		
W781683		0.90	0.059	<0.2	0.95	31	<10	50	<0.5	<2	2.32	<0.5	8	11	12	2.08		
W781684		0.92	0.069	<0.2	0.80	34	<10	50	<0.5	<2	2.15	<0.5	9	10	13	1.80		
W781685		0.03	<0.005	<0.2	1.30	<2	<10	110	<0.5	<2	0.79	<0.5	8	14	54	2.71		
W781686		1.88	0.010	<0.2	0.87	15	<10	50	<0.5	<2	2.06	<0.5	8	10	20	1.73		
W781687		2.30	0.025	<0.2	0.97	8	<10	40	<0.5	<2	2.88	<0.5	9	13	147	2.14		
W781688		1.30	<0.005	<0.2	1.06	2	<10	30	<0.5	<2	7.8	<0.5	8	4	4	2.50		
W781689		1.55	<0.005	<0.2	1.08	5	<10	40	<0.5	<2	2.58	<0.5	9	14	12	2.35		
W781690		1.19	0.008	<0.2	1.00	2	<10	40	<0.5	<2	3.79	<0.5	8	7	9	2.26		
W781691		1.05	<0.005	<0.2	1.07	7	<10	60	<0.5	<2	2.56	<0.5	17	12	27	2.40		
W781692		1.77	0.063	0.2	0.89	8	<10	40	<0.5	<2	2.64	<0.5	8	11	12	2.02		
W781693		2.06	<0.005	0.2	1.73	13	<10	40	<0.5	<2	1.00	<0.5	16	6	16	6.18		
W781694		0.87	<0.005	<0.2	0.96	15	<10	40	<0.5	3	1.64	<0.5	8	13	9	1.89		
W781695		0.03	1.305	0.6	2.68	19	<10	160	<0.5	<2	1.73	1.1	15	67	176	3.05		
W781696		1.41	0.006	<0.2	1.00	11	<10	40	<0.5	<2	1.75	<0.5	8	15	32	1.96		
W781697		1.95	0.016	<0.2	0.82	22	<10	50	<0.5	<2	2.26	<0.5	8	9	24	1.63		
W781698		1.35	0.006	<0.2	1.07	18	<10	40	<0.5	<2	1.74	<0.5	10	14	15	2.09		
W781699		0.90	0.007	<0.2	1.59	27	<10	110	<0.5	<2	1.14	<0.5	16	24	111	2.72		
W781700		0.54	<0.005	<0.2	1.10	16	<10	90	<0.5	<2	0.83	<0.5	9	13	18	1.73		
W781701		2.50	<0.005	<0.2	1.02	19	<10	60	<0.5	2	1.33	<0.5	10	14	13	1.93		
W781702		2.80	<0.005	<0.2	1.14	18	<10	70	<0.5	<2	1.35	<0.5	10	15	9	2.10		
W781703		2.37	0.008	0.2	0.97	166	<10	40	<0.5	<2	3.52	<0.5	6	7	18	2.00		
W781524		1.56	0.052	<0.2	1.57	47	<10	20	<0.5	<2	0.26	<0.5	11	9	6	2.72		

Comments: Sample W781644 contaminated during crushing. Sample run upon client confirmation.

**** See Appendix Page for comments regarding this certificate ****

Appendix 5 Melkior Carscallen-Denton-Bristol Claim List ID

Legacy Claim ID	Township / Area	Tenure ID	Tenure Type	Anniversary Date	Tenure Status	Tenure Record	Work Required	Work Applied	Available Consultation	Re/Available Exploration	Record	Total Revenue	Conversion Bank Credit
1213560	CARS/CALLEN	147069	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	220701	220701	0
1213560	CARS/CALLEN	131454	Single Cell Mining	2023-11-30	Active	100	400	0	0	0	223501	223501	0
1213560	CARS/CALLEN	309685	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	374208	374208	0
1213560	CARS/CALLEN	240389	Single Cell Mining	2023-11-10	Active	100	400	0	0	0	349400	349400	0
3006573	CARS/CALLEN DEN	223118	Single Cell Mining	2023-10-26	Active	50	200	0	0	0	0	0	0
3006573	CARS/CALLEN DEN	223135	Single Cell Mining	2023-10-27	Active	100	400	0	0	0	62740	62740	0
3006573	CARS/CALLEN DEN	119506	Single Cell Mining	2023-10-27	Active	100	200	0	0	0	2329	2329	0
3006573	CARS/CALLEN DEN	342517	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	3917	3917	0
3019020	CARS/CALLEN	107876	Single Cell Mining	2023-09-08	Active	100	200	0	0	0	175505	175505	0
3019020	CARS/CALLEN	144352	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	75340	75340	0
3019020	CARS/CALLEN	344352	Single Cell Mining	2023-09-08	Active	100	200	0	0	0	4711	4711	0
3019020	CARS/CALLEN	344352	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	4711	4711	0
3019020	CARS/CALLEN	305372	Boundary Cell Mining	2021-09-08	Active	100	200	0	0	0	2967	2967	0
3019020	CARS/CALLEN	336418	Boundary Cell Mining	2021-09-08	Active	100	200	0	0	0	2963	2963	0
3019020	CARS/CALLEN	328412	Boundary Cell Mining	2021-09-08	Active	100	400	0	0	0	2963	2963	0
3019020	CARS/CALLEN	238242	Single Cell Mining	2023-11-10	Active	100	400	0	0	0	2963	2963	0
3019020	CARS/CALLEN	238241	Single Cell Mining	2023-11-10	Active	100	400	0	0	0	120112	120112	0
3019020	CARS/CALLEN	218903	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	2963	2963	0
3019020	CARS/CALLEN	218902	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	4711	4711	0
3019020	CARS/CALLEN	182832	Single Cell Mining	2021-09-08	Active	100	400	0	0	0	75340	75340	0
3019020	CARS/CALLEN	182831	Boundary Cell Mining	2023-11-10	Active	100	200	0	0	0	2963	2963	0
3019020	CARS/CALLEN	148822	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	175504	175504	0
3019021	CARS/CALLEN	107276	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	2963	2963	0
3019021	CARS/CALLEN	309685	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	75340	75340	0
3019021	CARS/CALLEN	208606	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	223501	223501	0
3019021	CARS/CALLEN	261819	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	374208	374208	0
3019021	CARS/CALLEN	250415	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	75345	75345	0
3019021	CARS/CALLEN	238242	Single Cell Mining	2023-11-10	Active	100	400	0	0	0	75340	75340	0
3019021	CARS/CALLEN	218704	Boundary Cell Mining	2023-11-10	Active	100	200	0	0	0	120112	120112	0
3019021	CARS/CALLEN	218703	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	75340	75340	0
3019021	CARS/CALLEN	218704	Single Cell Mining	2023-09-08	Active	100	200	0	0	0	75340	75340	0
3019021	CARS/CALLEN	182832	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	75340	75340	0
3019021	CARS/CALLEN	147069	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	175504	175504	0
3019021	CARS/CALLEN	145832	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	220701	220701	0
3019021	CARS/CALLEN	111065	Boundary Cell Mining	2023-09-08	Active	100	200	0	0	0	75340	75340	0
3019022	CARS/CALLEN DEN	342517	Single Cell Mining	2023-09-08	Active	100	200	0	0	0	175504	175504	0
3019022	CARS/CALLEN DEN	251271	Boundary Cell Mining	2023-09-08	Active	100	200	0	0	0	175505	175505	0
3019022	CARS/CALLEN DEN	184600	Single Cell Mining	2023-09-08	Active	100	200	0	0	0	175504	175504	0
3019022	CARS/CALLEN	309685	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	175504	175504	0
3019022	CARS/CALLEN	269989	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	374208	374208	0
3019022	CARS/CALLEN	251270	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	175504	175504	0
3019022	CARS/CALLEN	240389	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	175504	175504	0
3019022	CARS/CALLEN	182832	Single Cell Mining	2023-11-10	Active	100	400	0	0	0	348402	348402	0
3019022	CARS/CALLEN	138255	Single Cell Mining	2021-09-24	Active	100	400	0	0	0	175504	175504	0
3019022	CARS/CALLEN	342517	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	61892	61892	0
3019022	CARS/CALLEN DEN	248579	Single Cell Mining	2024-06-11	Active	100	200	0	0	0	127805	127805	0
3019022	CARS/CALLEN DEN	291218	Single Cell Mining	2023-10-26	Active	100	400	0	0	0	64000	64000	0
3019022	CARS/CALLEN DEN	327780	Single Cell Mining	2024-05-11	Active	100	400	0	0	0	62740	62740	0
3019022	CARS/CALLEN DEN	327780	Single Cell Mining	2024-05-11	Active	100	400	0	0	0	61987	61987	0
3019022	CARS/CALLEN DEN	269989	Single Cell Mining	2023-09-08	Active	100	400	0	0	0	374208	374208	0
3019022	CARS/CALLEN DEN	261901	Single Cell Mining	2023-09-24	Active	100	400	0	0	0	175504	175504	0
3019022	CARS/CALLEN DEN	111065	Boundary Cell Mining	2023-09-08	Active	100	400	0	0	0	63270	63270	0
3019022	CARS/CALLEN DEN	339681	Single Cell Mining	2024-05-11	Active	100	400	0	0	0	75340	75340	0
3019022	CARS/CALLEN DEN	337219	Single Cell Mining	2020-09-24	Active	100	400	0	0	0	20841	20841	0

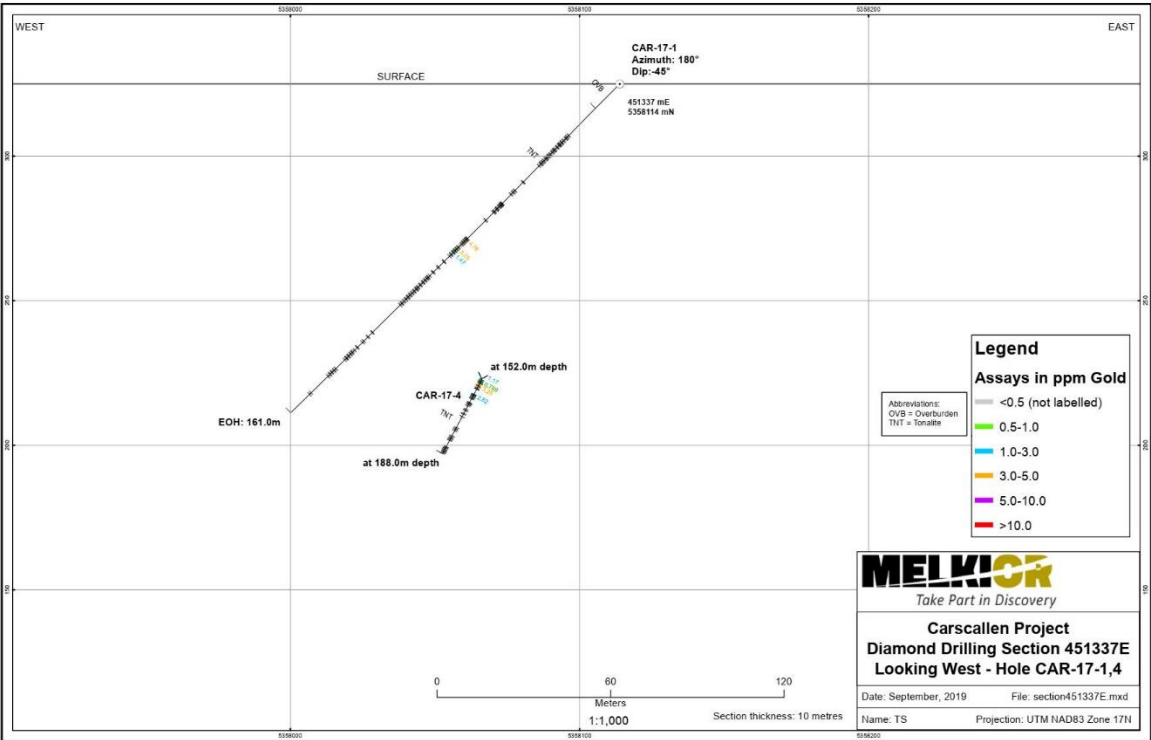
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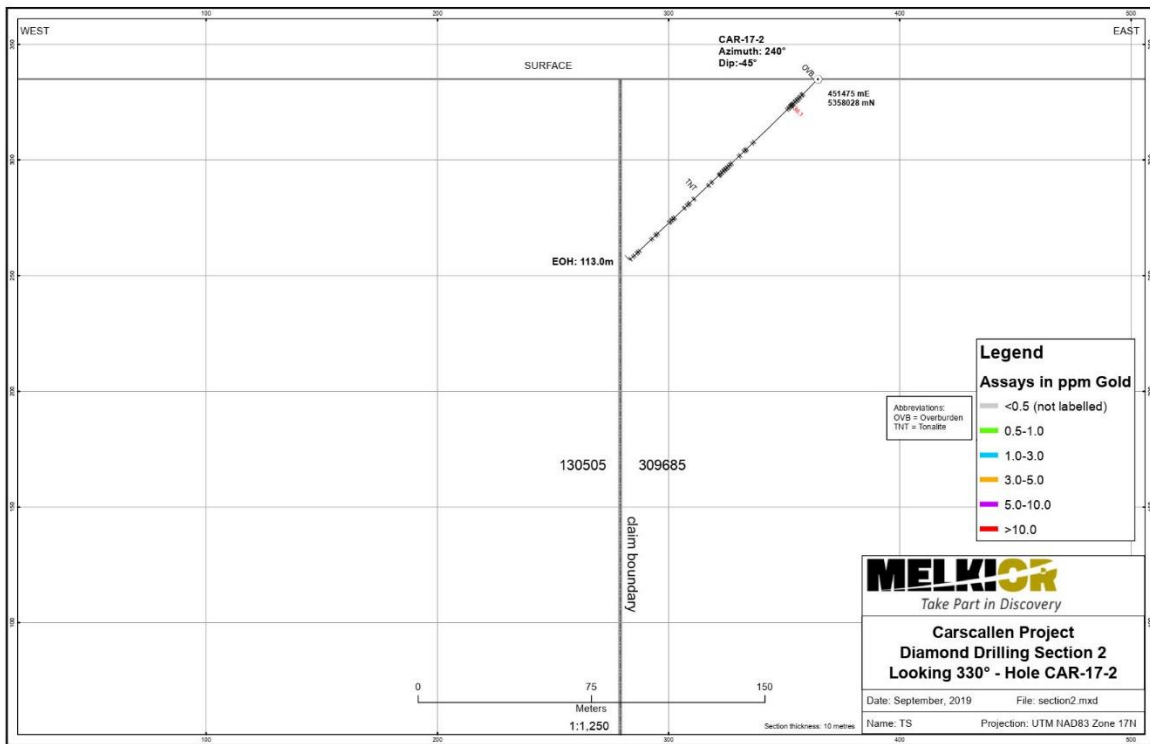
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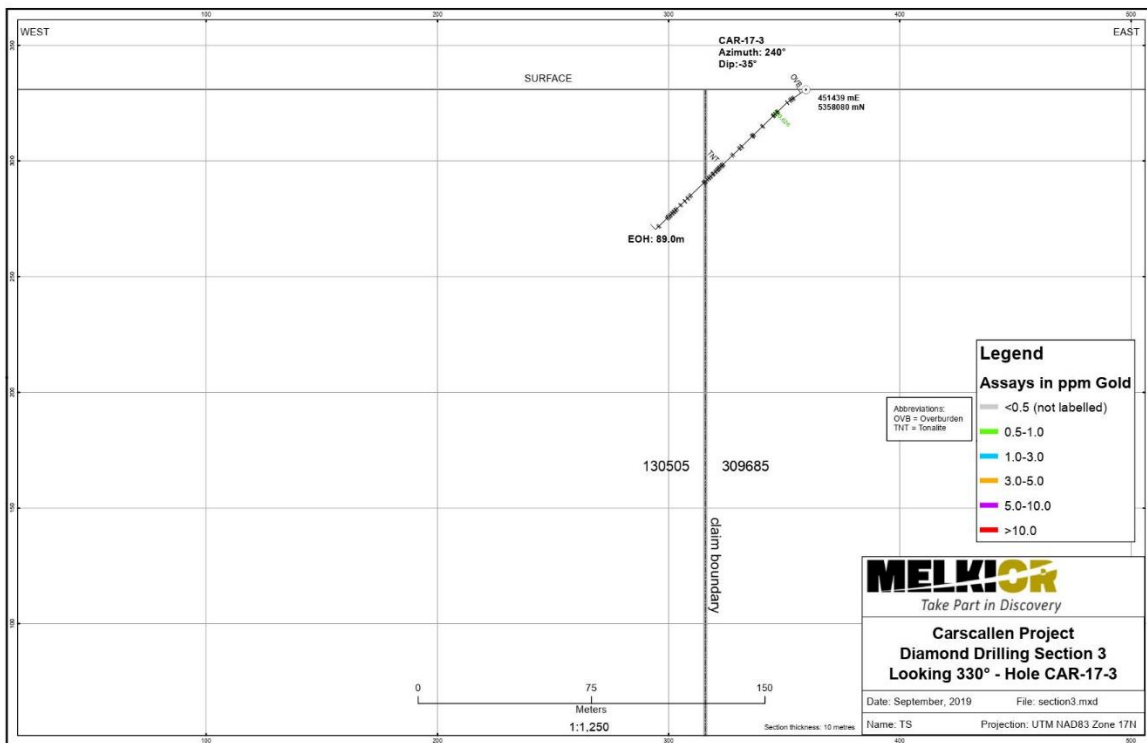
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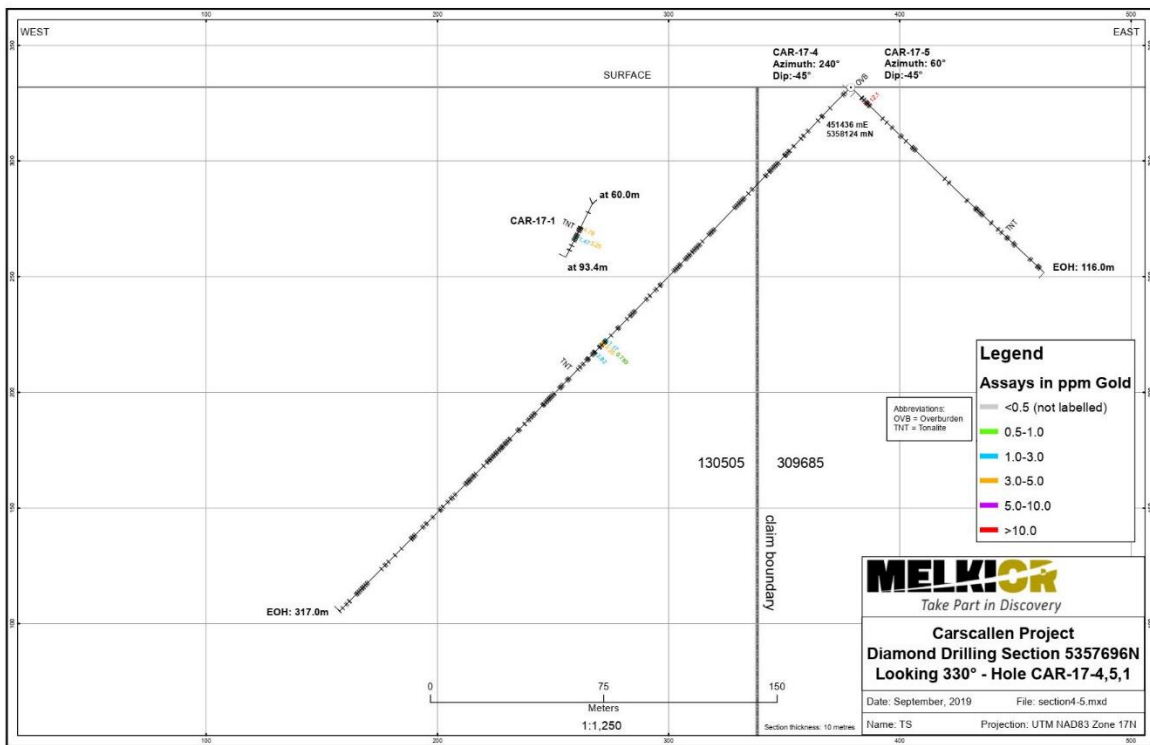
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4257811	DENTON	111080	Boundary Cell Mini	2022-11-10	Active	100	200	0	0		98	98	0						
4257811	CARSCALLEN, DEN	335979	Single Cell Mining	2024-05-11	Active	100	200	0	0		98	98	0						
4257828	DENTON	215384	Boundary Cell Mini	2022-11-25	Active	100	400	0	0		98	98	0						
4257828	DENTON	243634	Boundary Cell Mini	2022-11-25	Active	100	200	0	0		196	196	0						
4258956	DENTON	104432	Single Cell Mining	2024-03-18	Active	100	200	0	0		327	327	0						
4258956	DENTON	325653	Boundary Cell Mini	2024-03-18	Active	100	400	0	0		2169	2169	0						
4258956	DENTON	242566	Single Cell Mining	2024-03-18	Active	100	200	0	0		907	907	0						
4258956	DENTON	222410	Single Cell Mining	2023-10-12	Active	100	400	0	0		907	907	0						
4258956	DENTON	192507	Single Cell Mining	2023-10-12	Active	100	200	0	0		907	907	0						
4258956	DENTON	192506	Single Cell Mining	2023-10-26	Active	100	200	0	0		907	907	0						
4258956	DENTON	176489	Boundary Cell Mini	2023-10-12	Active	100	400	0	0		3917	3917	0						
4258956	DENTON	163107	Single Cell Mining	2024-03-18	Active	100	200	0	0		907	907	0						
4258956	DENTON	163106	Single Cell Mining	2023-10-12	Active	100	400	0	0		907	907	0						
4258956	DENTON	163105	Single Cell Mining	2023-10-26	Active	100	400	0	0		907	907	0						
4258956	DENTON	104433	Single Cell Mining	2023-10-12	Active	100	400	0	0		1637	1637	0						
4258978	CARSCALLEN, DEN	233118	Single Cell Mining	2023-10-26	Active	100	200	0	0		907	907	0						
4258978	DENTON	225135	Single Cell Mining	2023-07-27	Active	100	400	0	0		62740	62740	0						
4258978	DENTON	192506	Single Cell Mining	2023-10-26	Active	100	200	0	0		2329	2329	0						
4259405	CARSCALLEN, DEN	277088	Single Cell Mining	2024-06-11	Active	100	400	0	0		3917	3917	0						
4259405	DENTON	104432	Single Cell Mining	2024-03-18	Active	100	400	0	0		1007	1007	0						
4259405	CARSCALLEN, DEN	233118	Single Cell Mining	2023-10-26	Active	100	400	0	0		2169	2169	0						
4259406	DENTON	192506	Single Cell Mining	2023-10-26	Active	100	400	0	0		62740	62740	0						
4259406	DENTON	163105	Single Cell Mining	2023-10-26	Active	100	400	0	0		3917	3917	0						
4259406	DENTON	104432	Single Cell Mining	2024-03-18	Active	100	400	0	0		1637	1637	0						
4259406	CARSCALLEN, DEN	277088	Single Cell Mining	2024-06-11	Active	100	400	0	0		2169	2169	0						
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											64000	64000	0						

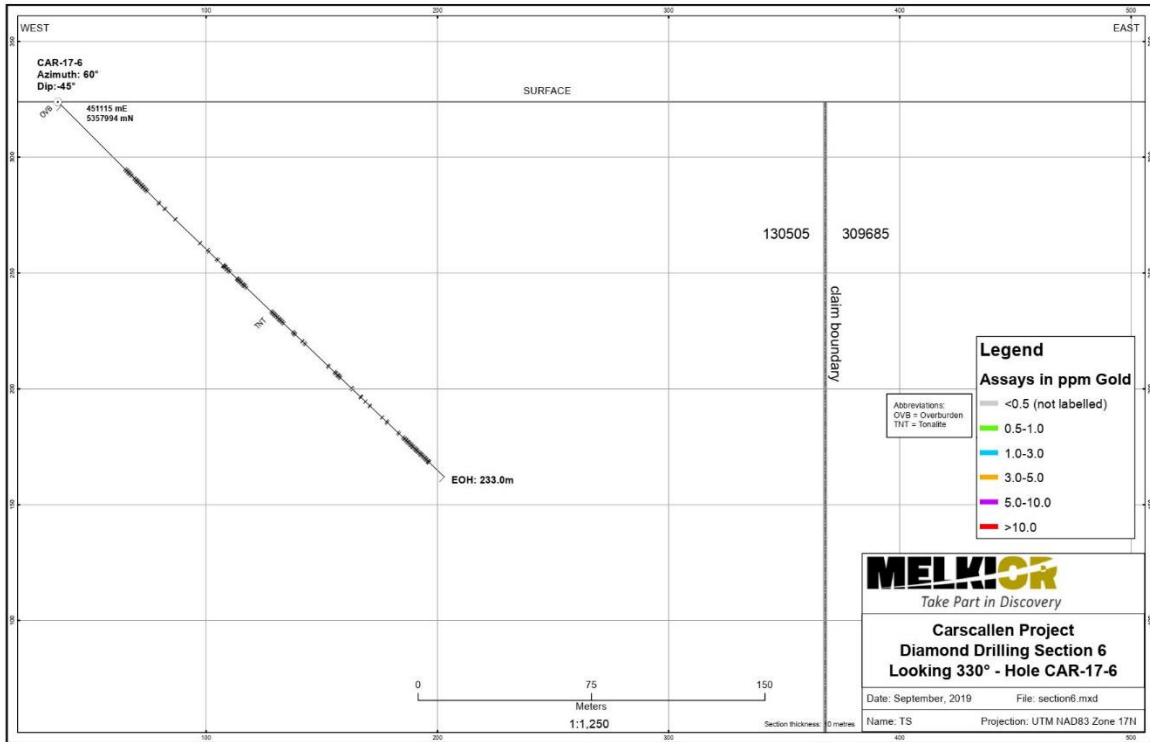
APPENDIX 6 SECTIONS

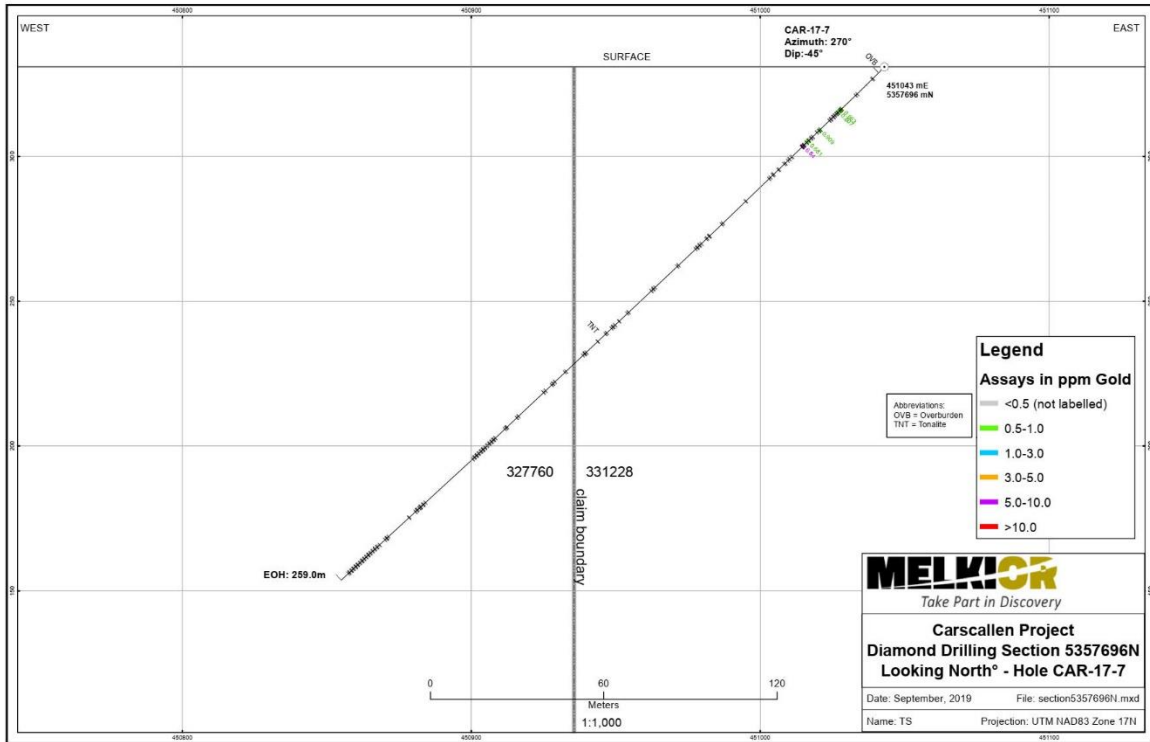


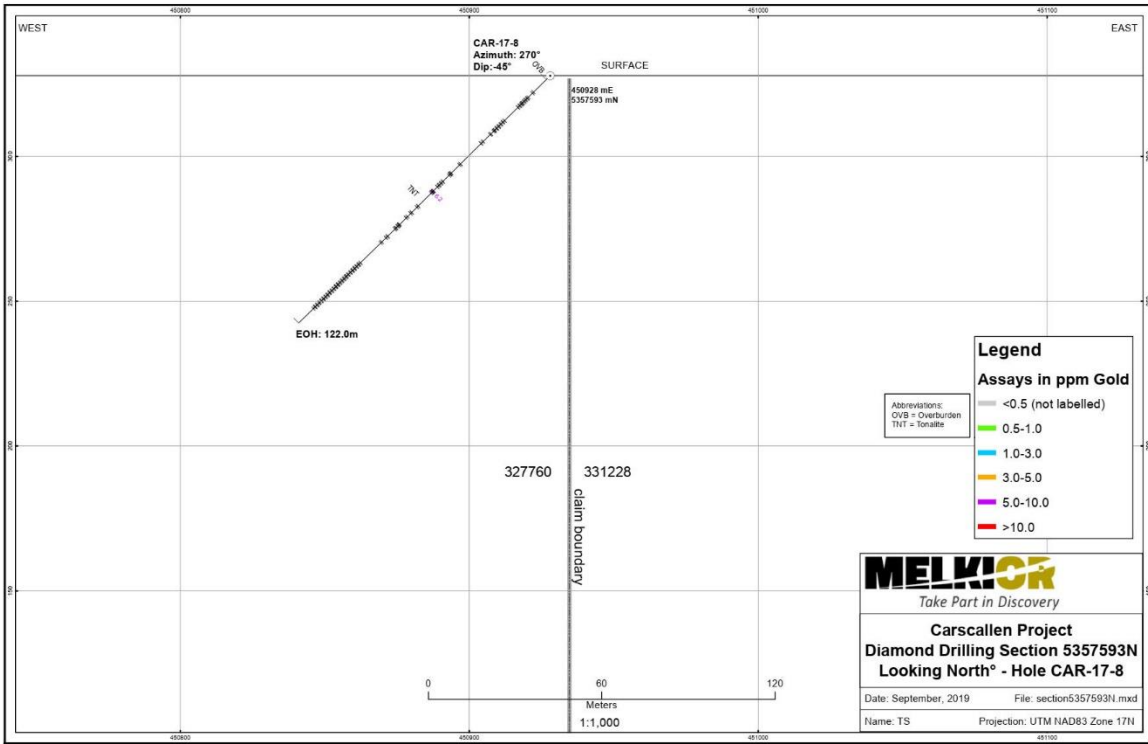


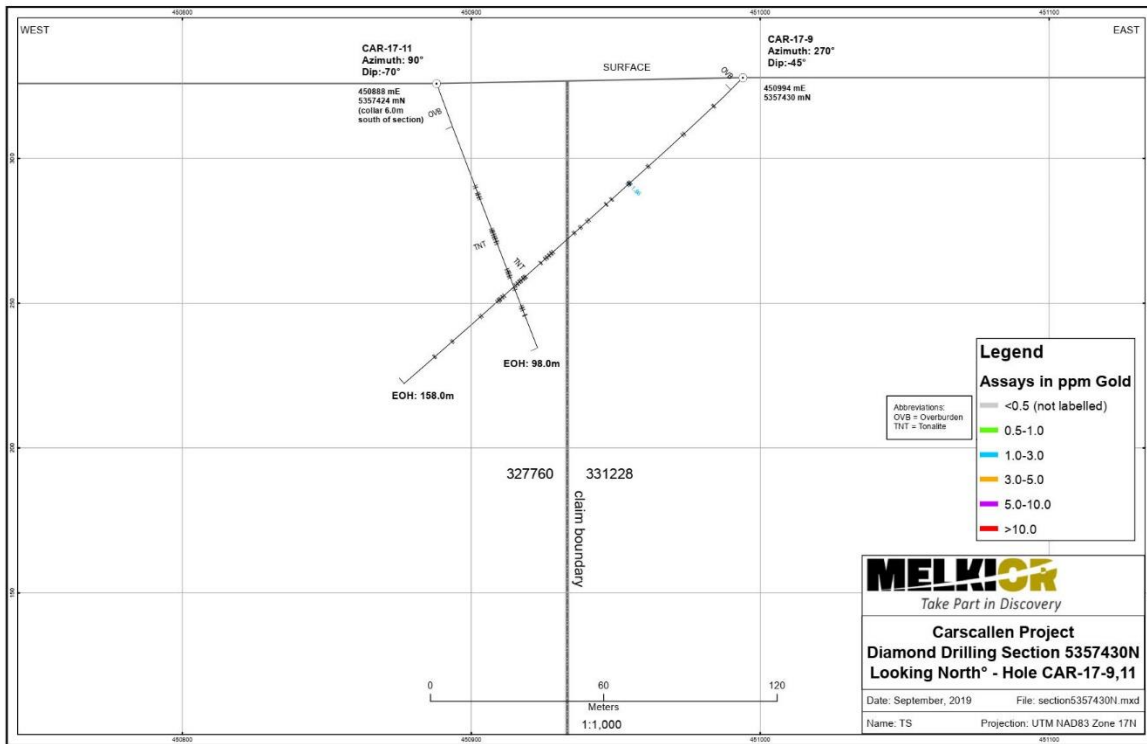


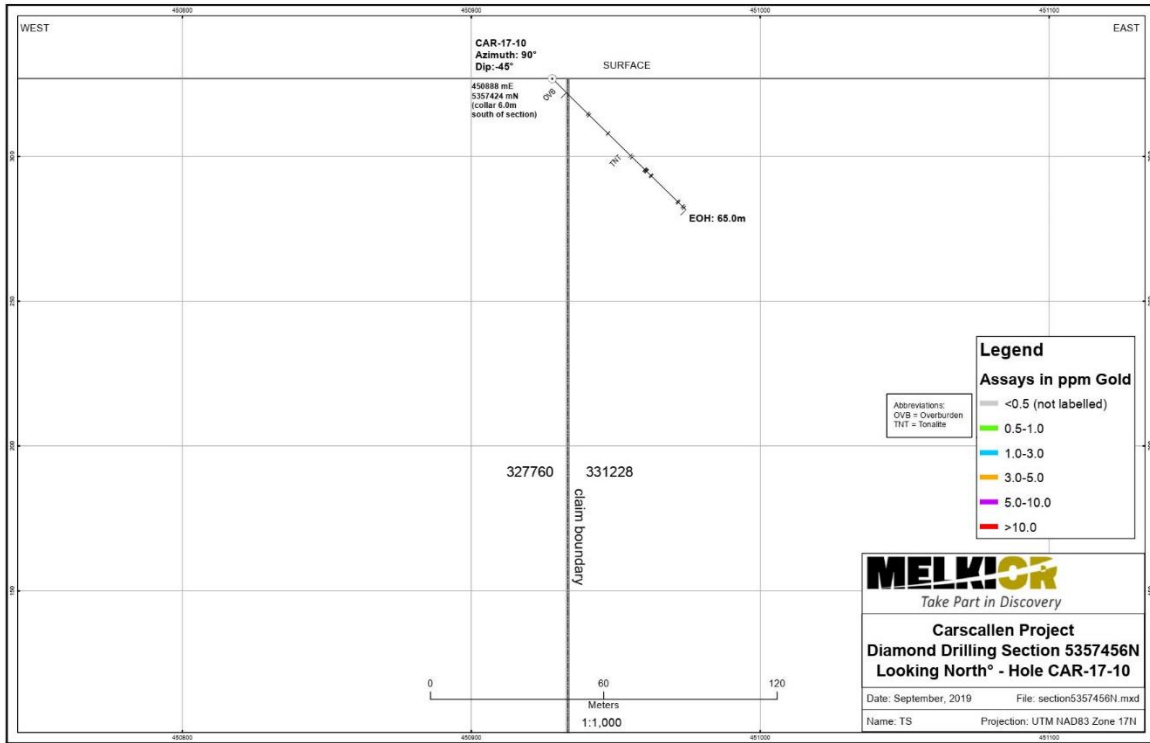


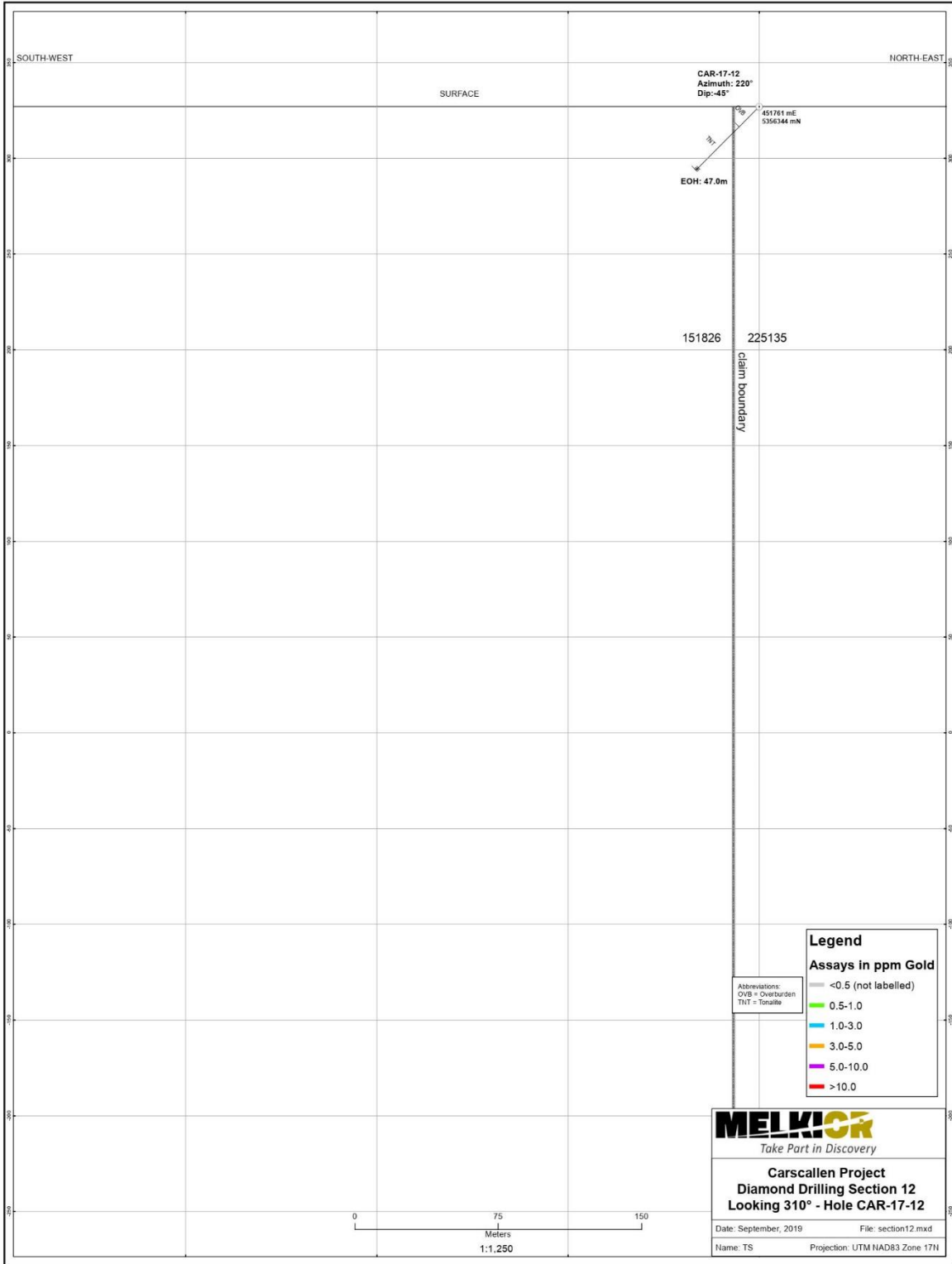


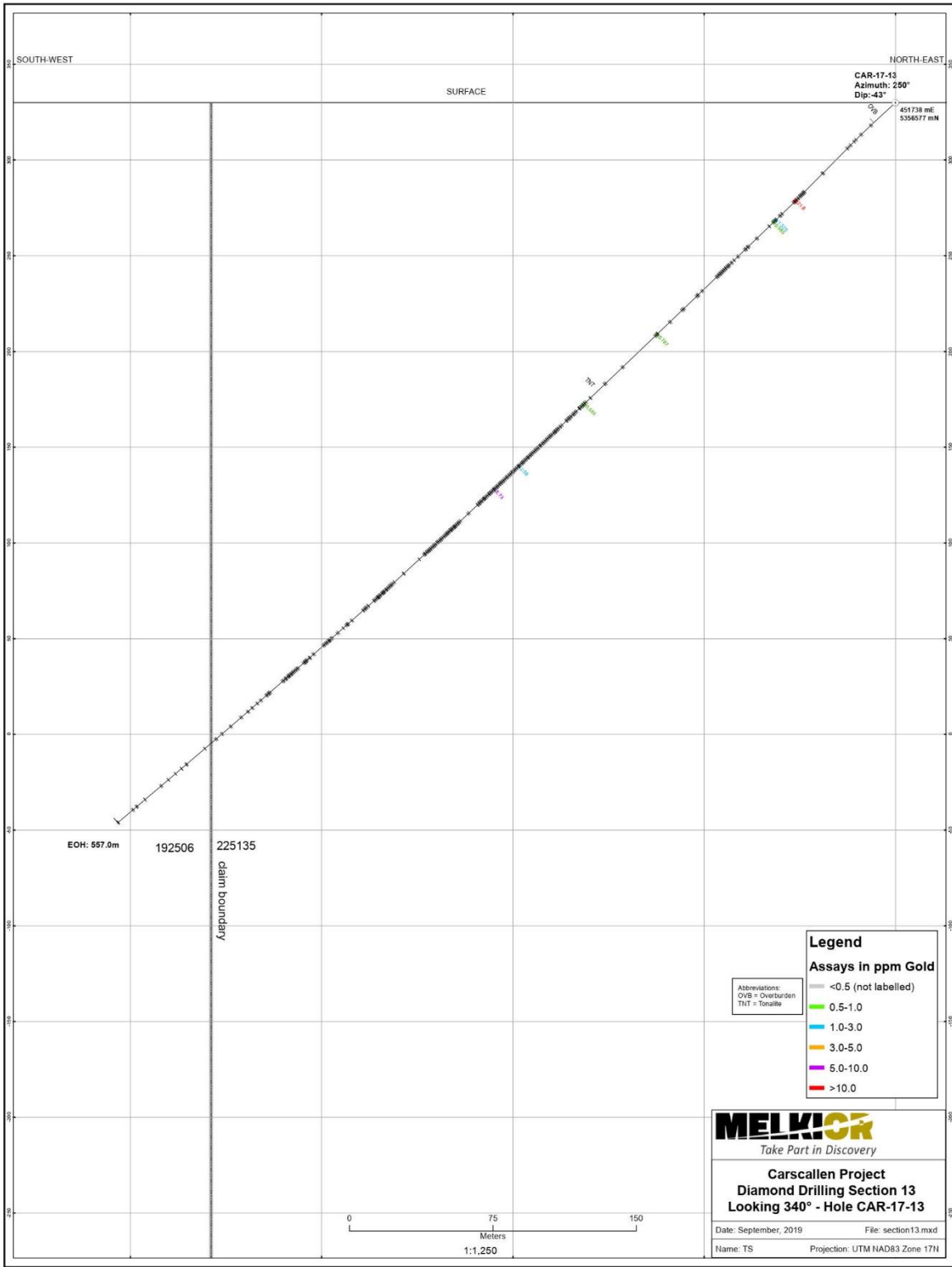


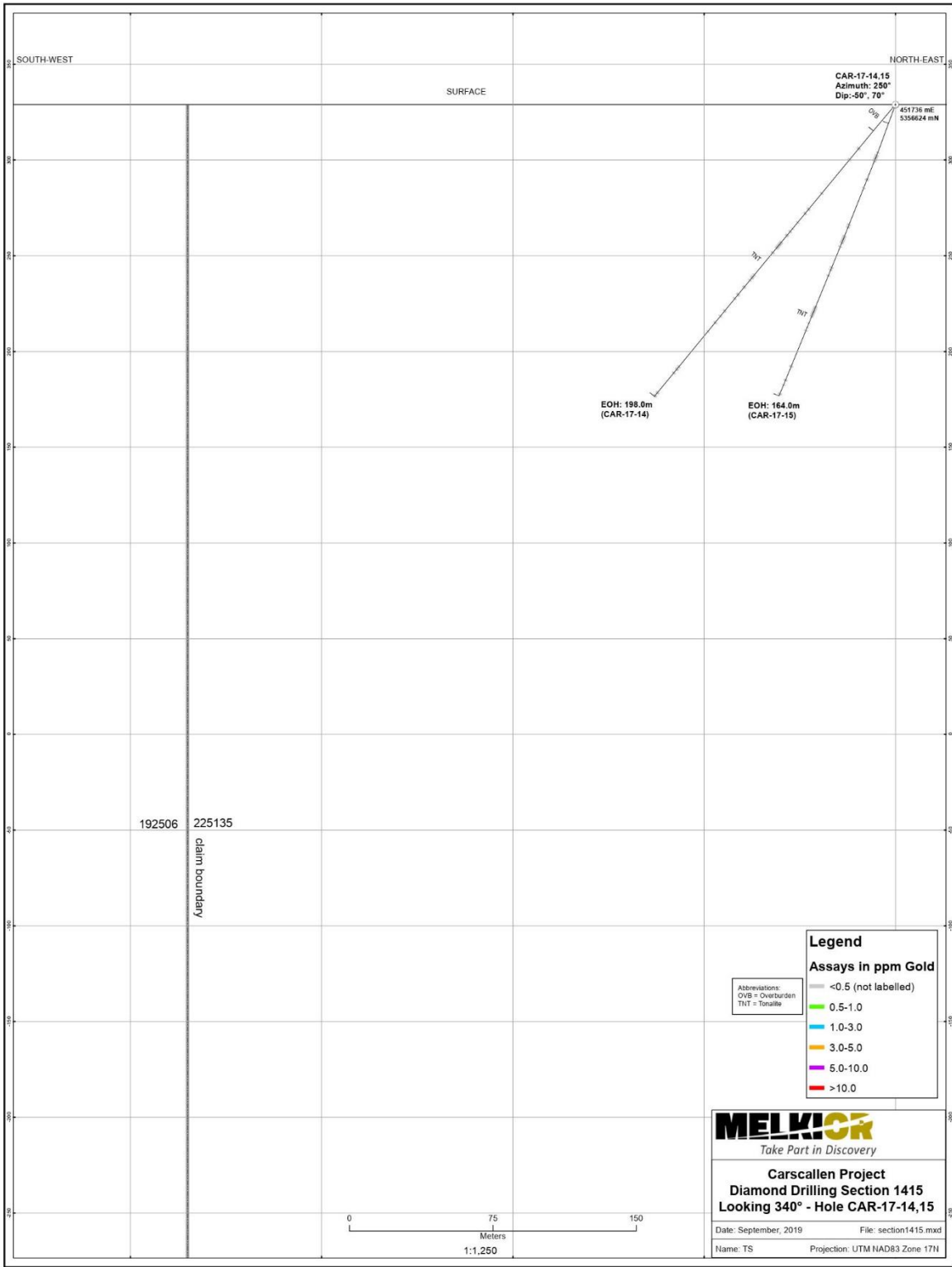


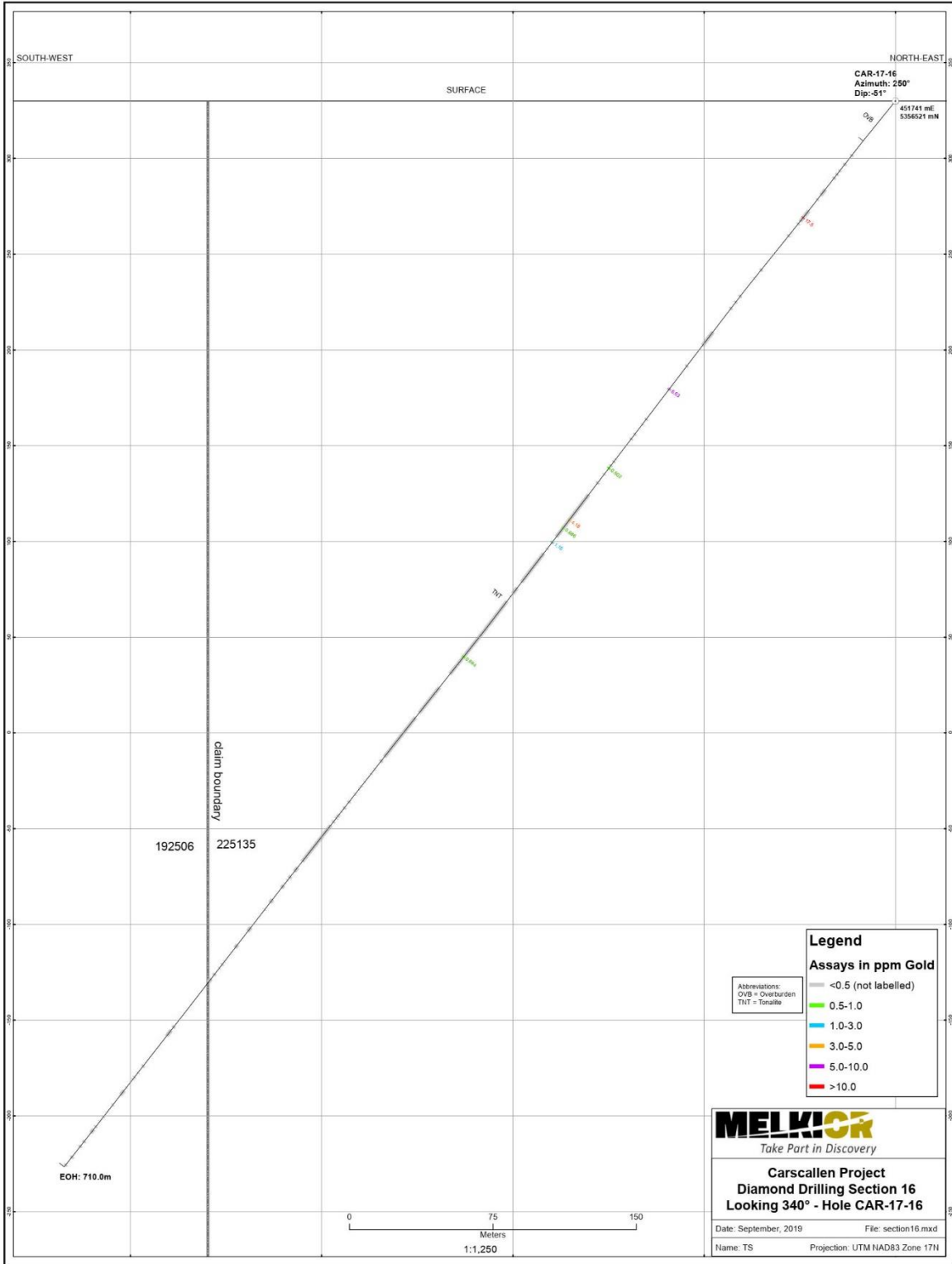












Started July 25
ended July 27, 20

B-1 L

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-01 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
0	12	OB	0:0:0					
12	16	9a					Tonalite. - typical - mottled buff - white - light green non - magnetic generally with med. saucer-shaped feldspar	
				145	16	S	Fault 25% broken core - 15% missing core / ground rock - no vein material or mineralization or significant alteration.	
				24	26.5	A	Progressive increase in ^{light} kaolinitic coloration (reddish) with increasing iron fractures.	
				26.59	36.64		Intensely sil + sericitized Tonalite + 1-2% dis M - no fibrous developed - cherty partings patchy goethite ass w ground water circulation straight gas vent coloration is 31-33m drillers note) Fault @ 32m where core is moderately broken. no significant veins through section.	
				28	32		non recognizable as Tonalite buff grey coloration, no evidence of a different unit although it could be highly altered Q.P. but no evidence of this.	

this section is also high patchy surface of ^{iron dis.} kaolinitic veinlets, locally
w/ 5% py as egg and a low chloritic partings.

CAL-17-01

Box 1	12-14.3		
2	19.6	21	101
3	23.7	22	105.2
4	27.6	23	109.7
5	32.4	24	114.2
6	37.8	25	118.2
7	41.0	26	122.6
8	45.3	27	127
9	49.6	28	131.3
10	53.9	29	135.6
11	58.3	30	139.9
12	62.7	31	144.4
13	69.5	32	148.7
14	71.2	33	152.8
15	75.4	34	157
16	79.3	35	161
17	83.9		
18	88.3		
19	92.8		
20	96.7		

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-01

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
				32			Part fault @ 32 recognizable as fault again still strongly sil w/ moderate sericitization + locally gm alt. only vein size of important veins is less + discont.	
				33			33.37.64 gm mottled tonalite w/ increasing sil down & "porphyry" content - not ill. dis. by gte has bluish tinge, features known chlc. centers.	
				33.61	38.2	L2	F.P. probably - no clear evidence of intrusion nature but it becoming strongly sheared w/ fabric + is highly reactive. It could be just a section of some unit with increased alt. and shearing.	
							Fal ^c @ 80° CA 2-3% dis. by aggr. patchy gm alt ² w/ gneissic center is Irreg. bands / dis. veins of a. quartz veins some that cross cut of fal ^c w.c. 70° w.c. 65°	
				38.2	38.71	A	Rapid decrease in Sil + Ser alt ² and elimination of lat. mount → No. fal ^c or rapidly change from cataclastic - strong mic. faulting - fractures w/ @ 70° - weak fracture w/ less regularity	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-1

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
				58.75	59.15		Decreasing progressively sit ² w/ weak reddish / pinkish coloration with banded weak iron scale-like features of weakly sit ² matrix (iron scale)	
				45.5	58.5		Section of weak fracture, commonly 30-40 cm w/ ass. iron in sit ² alt ² that changes w/ depth of hole initially sit ² then → sit ² → sit ² + Ser. Since the most pronounced areas have scuffed through section. If gold values warrant more sampling required. Narrow iron on dis. quartz quartz or iron commonly in thin veins, often white, but are commonly pyritic. ⇒ As a group these are interesting as could indicate proximity to a large more well developed stock work of alt ² + mineral ²	
				58.50	58.95		As a change to above progressive alt ² this is a section of Int sit ² w/ an iron core of a Ser. matrix. It contains a localized amount of sh. agg. of Py is associated + adv. - pyritic zones in Ser. alt ² host → As above → might be close to "something bigger?"	
				50.75	60		Rapid progression transition to less alt ² host trends to - locally med. gr. alt ² , possible fault @ 59.0? - minor ch. fractures @ 25kt. but prominent.	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17- / Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
				60	660	A	Decreasing sil ² down section	
				660	666	A	5-10 cm of string sil ² adv to Sma qu @ 15° CA → dis. → tension gash. →	
				668	71.5	A	Light green mineral seams. Tourmaline	
				71.5	75.5		patchy but increasing intensity of sil ² down section. Generally still light-med grey-green.	
				74.6	74.6		Shallow @ 4° @ 25° CA	
				75.6	75.6		9-5 cm wide, increasing in width across width - core cloudy light grey to dark grey etc. At long angles on one side only are highly pyritic → with some of drg. pyrite up to 2 cm wide along edge of core. It is about 2% of rock volume.	
				75.6	75.6			
				75.6	76.6	A	Shallow angle 15° CA of chlorite pyrite let clear w/ drg. chlorite py SS.	
				76.6	84.0	A	Complex quartzite section of Tourmaline. 1) Strongly sil ² - mottled diffuse shaded grey. 2) broad weak dis. fracture filled w/ qz chlorite + py on hair fine scale.	
				84.0	94	A	Relatively unaltered greenish buff grey Tourmaline w/ a greenish regular distribution of v. shallow fractures 10-15° CA w/ link to string sil ² margins. Similar to above section just more diffuse. 94 - weak graphitic - small.	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-1 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
			p	94	95	A	Increasing - ? disconformity + sil ² possible fault @ 95 - small ²	
			c	90	97	A	Increasing sil ² + sil ² alt ² up 1% dip of increasing down section to 80m - that is section, minor small ² at end of section.	
				97	99.15	A	Modest patchy sil ² alt ² centered on a probable fault characterized by ptarmite rubble, Hornblende, strongly sil ² , bleached + sericitic - no fabric - top is for There is a zone for dark green in adjacent to fault zone that is also weakly or a bit of sil ² .	
				98.6	98.9		Fault zone sil ² rubble. with white, fine-grained vein largest of fault - 5cm, orientation uncertain.	
				99.15	101		Fat. sil ² , bleached hornblende. zone of dk green zone dips east at about 25° at dark chlorite matrix. - zone of fine-grained, shallow angle hornblende, generally through some sections. This zone is probably being crossed at end of section.	
				101	104		Sil ² sil ² sil ² alt ² hornblende decreasing generally down section. Some 25° at bottom.	

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HOLE: CAR-17-1 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
				104	108	A	Decreasing int. of Sil + Bleach down section - Start of weak br, very broad at 1-4m above light 50% fine indilling - brown.	
				107.26		M	Thin quartz @ 20°C in black chlorite regions. carbonate veins seg. adj contacts	
				108	110.6		weak - and patchy sil + bleaching in Tonolite locally weakly hematite reddish.	
				110.6	139.2		Alternating light greenish red clay in alt ^d sandstone Tonolite with patches zones of weak moderate sil. locally large fanulites of inclusions dark green crystaline 2m sil ² appears to be related to a weak br, but this could be secondary.	
				122	131		slightly more pronounced br. + weak reddish hematite coloration. continued lower 25-30° shallow angle chlorite "slip planes" - nice shows	
				131	139.12		where zones are alt ^d sil ² becoming slightly more intense + some reddish color. alteration is becoming more pronounced with a small conchoidal evidence bleeds related to microshears @ 30°C.	

locally in unalt^d section 15° shallow angle quartz
1-3m wide displays strong sil + hematite alt^d nodules to 1.5cm.

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HOLE: CAR-17-1

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
				128.15	152.15		<p>QFP. FP</p> <p>light grey - grey green - pinkish red.</p> <p>especially at top</p> <p>locally 15% whitish-yellow indistinct redist granoblastic plagioclase - feldspar with quartz - confidence this is a QFP. not to be confused with FP.</p> <p>U.C. sharp at 60°</p> <p>upper 40m is moderately sheared with foliation at 60° CA. decreasing flattening down to 140 about ends.</p> <p>140-144 - mud grey green</p> <p>141-144 increasing reddish coloration.</p> <p>144-147 dated reddish coloration with local red phenocrysts of FP.</p> <p>color change also coincides at higher silica content.</p> <p>there is a weak bx - very broad + thin, perhaps there is a relationship to this.</p> <p>also 1-2mm translucent gr @ 45° locally but no coarse - brown.</p> <p>147-152.45 Not pink., mud grey grey green with increasing weak bx - foliation of black chlorite carbon - mica there</p>	

L.C. - steep @ 50° CA.

40m above contact is weakly sheared of minor HL. pyritic centers to dark chert partings

2

87 1

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-2 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
0	1.5	Casing					Overburden	
1.5							Tonalite	
							Std mottled buff grey white fractured tonalite massive rel. unaltd	
				9	18		Def Zone.	
							9-11 weak fabric begins to be developed - almost parallel to CA Further in section is weakly hair-line by or indistinctly W. gen. - no mineralization	
							11-12 Fabric rotates to ~ 40° CA + by increases. → No ass. Sil or other alt?	
							14-15 Def more intense w/ fabric more defined but still weak qtz tabs in blue color - strained.	
							15-16 Strongly sheared - schistose due to fault zone. w/ sig. alteration or mineralization to Sil Py.	
				16	16.9	S	Fault zone - Fault gouge - 65°?? steep QV - CMA	

16.1 16.9 M QV - milky to buff grey-green
mottled quartz with chlorite ind. inter-crystalline
- brecciated + re-crystallized? chlorite surfaces contain 2-3%
for Py.

CAR-17-02

Bxl 5.5
2 9.8
3 14.0
4 17.4
5 21.7
6 25.7
7 29.9
8 33.1
9 38.4
10 42.6
11 46.8
12 51
13 55.2
14 59.6
15 63.8
16 68.1
17 72.6

18 77.0
19 81.2
20 85.5
21 89.8
22 94
23 98.4
24 102.7
25 107
26 111.3
27 113 EOH

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-2 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							16.4 - 18 - partially gully weakly - med. coarse + recumbent, of which fabric is - sub parallel to CA.	
							18.2 - 20.5	
							18 - 33.5 - bet. weakly to moderate	
							33.5 - 36	
							wk bx of quartz? locally	
							35.2 - 36.6 - wk bx of weakly silty fine of weak H ₂ O ₂ white H ₂ O ₂ Cap Fe locally pyritic. w/ chlorite contents.	
							36.6 - 43 - coarse recrystallized to moderate w/ local - patchy sil zones w/ minor H ₂ O ₂ staining + on Fl surfaces. sil Fe w/ 1-5cm white halos are commonly T-1/2 Py w/ Fl commonly @ 45° CA	
						V	28.75 - 1-2cm quartz glaucophane w/ minor Py coarse silty and chert matrix	
							→ one of the best veins → problem is cars does not fit together & some 'quartz' on each end	

→ ① Ground core
 ② stolen? - not likely but possible

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-2 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							43-45.3 Malby Def ^A + All ⁺ med sil weak H ₂ O bt - H ₂ O calc. walls. (usually cracked & weakly stained)	
							45.3-51 (51) Patchy sil zone in green calcite & talc - Fractures @ 45-60' w/ less silification w/ weak H ₂ O + TR P ₁ calcite later H ₂ O calc. veins have black chlorite cores	
							51-60.4 Broad zone of calcification and to weak sil ² of talc with green color - variable	
							52.4-52.7 weak calc zone - STR 51L	
							55.85-56.0 weak calc zone STR 51L ch. parting @ 45CA	
							through section 1-4m clear calc. veins @ 45-65' are radiating w/ sil ² min.	
							59.82-59.96 - med weak zone of less calc - calc walls @ 65CA black ch. margins locally pyritic	
							60.4-70.4 Pred. greenish calcite & talc less sil ² zone + FR than rest of hole	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-2 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							62.7-62.9 leak shows in Tenalite @ 35° CA M.D. sil upo central vein sil parallel to green chloritized shear 2-3m wide spaced about 1.5m apart through shear. main qz vein sil-parallel - later up veins tr 8%	
							65.7-66.4 q.d. section of sil' Tenalite that is much blacker than usual → Black chlorite sil' ? - not intrusive - non-pagetic - significant trace Fe. Alanting is black by sil matrix. - no sig veins PPT ~ 35° CA - 45° CA 4 H ₂ O STRAIN.	
							possibly Tenalite.	
							- other small xenoliths with similar appearance → it was a large good lith.	
							74-75 strong sil' zone central on a Fe milky to light grey - light green qz @ 60° CA major chl incl + cent. parting @ 60° No sig vein. - sil' increases away from this central vein.	

PPTY: Melkior Resources - Carscallen Project

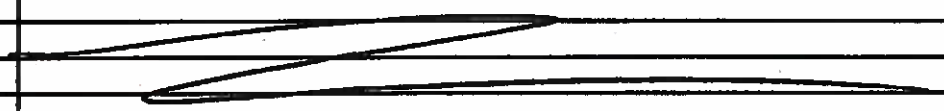
HOLE: CAR-17-2 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							76.5-79 breccia - med sil zone cont'd as a central crush zone @ 72.5 looks disrupted / fractured sil of disrupted quartz + black ch. near some of fault @ 55' CA same - thinning seams in the 2-lam units iron veins of ch - calc. ch - no part thin	
							80-81 med sil of mt by several allom - milky quartz, some of which is 2-seamed @ 6.5' CA of med sil - sag cont'd. TAPY.	
							85.5-91.0 Med sil containing Tourmaline light, rather soft green sil seams to be related to 2-3' local calc ch. - shag zones @ 86.16 & 87.34, 89.16, these zones after brittle failure usually host porous sil quartz. 35-40' CA other 1-lam unit @ 35-45' CA interposed through sil + interdig.	
							91:25.3 Patchy green same Tourmaline . 93.42 narrow med sil calc ch. ' zone of weak shag dev. + late quartz of old gran ch. matrix at 5.5' above.	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-2

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							95.3 - 100.5 weak g.l. of minor clon in mass visible 65°C A + minor ge bx.	
							100.5 - 106.5 Tactik - Same Green	
							106.5 - 109.25 wk - med g.l. centered on com gtz chl u-@ 50°C @ 108.55 no sig min	
							110. 2cm gtz - chl u-@ 75°C A base.	
							111. 5cm weakly dev. crush zone of weak HGM + TRPY ~ 50°C A	
							117.3 as above.	
							113 EOD Glen zone. Tactik still HGM string on Fk surface	
								

PPTY: Melkor Resources - Carscallen Project

HOLE: CAR-17-3

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

B-1

(1)

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
0	3	OB					Overburden NW Coring left in hole.	commonly w/ky
3	89	9					Ta. white medium grained mottled buff light green green saucer-shaped tonalite massive run fragment.	PRT can scale out massive to PRT. locally also them staining some have PRT.
				6.33	7.79	S	Shear zone with weakly brownish + sil ² regions 6.95 - 7.47 Shear zone @ 45° CA foliation of gte carbonate matrix + weak brownish staining. over silvery-white tan gte carbon at approach gradient to sil ² no sil ² fabric mineralization.	
						A	It appears that prior to the shear event the rock was white by + bleached + sil ² → subsequently had intense staining of carbonate enrichment	
				8.20	8.6	As	cut by + sil ² fractures from weak sil ² matrix.	
				9.0	10.5	As	Idem but with locally weak them staining. Fracture surfaces commonly reddish	
				15.20	18.20		Six narrow zones up to 20cm wide with discrete zones similar to shear in that they are generally w/ky by w/ slight bleached + sil ² but with a narrow poorly defined core of shear of carb enrichment. - locally 1% PRT - Best zone is 16.15 - 16.25	

They are generally w/ky by w/ slight bleached + sil²
but with a narrow poorly defined core of shear of carb enrichment.
- locally 1% PRT - Best zone is 16.15 - 16.25

CAR-17-01

Box Box Lind

1 2.8

2 12.0

3 16.3

4 20.6

5 25.0

6 ~~37.5~~ 29.2

7 33.5

8 37.8

9 42.0

10 46.4

11 ~~50.6~~ ~~50.6~~ 50.6

12 ~~59.1~~ 55

13 ~~63.3~~ 59.1

14 63.3

15 67.7

16 72

17

17 76.4

18 80.7

19 85.0

20 89.50H

PPTY: Melkor Resources - Carscallen Project

HOLE: CAR-17-3 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							45	
							<p>18-20 19.5 - 20.5 Terakite rel. on altⁿ with micaceous oriented Fractures w/ light grey silt & matrix. + macerals on surface. locally common of reddish hematite FR surface.</p>	Normal
							<p>29.5 - 31.5 Lacustrine zone similar to above - multiple periods of bx - w/ siltⁿ followed by weak shearing + w/ talc + chlorite enrichment - mica, large shear on scale. Juviced @ 45° CA</p> <p>no sig. min.</p>	
							<p>37-37.7 Bx - w/ silt followed by w/ shearing. Differentiation that orientation is ~ 60° CA. fine chlorite of 1-2% Bx in range slab section of localized shearing.</p>	
							<p>38-39 - slightly green FRT that might be some epidote altⁿ localizⁿ + some pyroxene. No distinct FRT cementation through this DPH - lots of vacuities.</p>	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-3 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
				46.5	62.0	S	<p>Large zone that mimics all the above:</p> <p>① Band initial Bx of sil² - m.d. out to infuse of chloritic ma scales</p> <p>② FRT / Bx of Wln calcite veins locally the Bx produces in unspotted sections i.e. Best date sil²!</p> <p>③ Crystallization & shearing is localized to a central section where a well developed shear zone occurs. Hyst² is transformed to a grey chlorite - calcite shear @ 45° CA</p> <p>Shear appears indicative of max lateral movement than compressional force.</p> <p>46.5 - 51.4 - Wln Bx + sil²</p> <p>51.4 - 52.8 - decreasing sil² = increasing chlorite but not sheared - veins crushed + beginning of calcite enrichment</p> <p>1% of sil² / Wln</p> <p>53.0</p> <p>V 53.0 - 54.22 - Qtz, Vln, Wln</p> <p>@ 60° CA</p> <p>milky to light grey translucent 1/4 to 1/2 inch chloritic patches, ind. which that are locally p-pitite - No quartz in aft of chlorite. Locally chloritic patches in veins @ 45° CA of HL p-pitite agg along margins.</p>	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							54.22 - 56 (crushed / fractured, glaucophane + weakly brecciated Trachite → Centre of Fault Zone. heavily brecciated + some fault gouge	
							56. - 59.00 fine grained alkali-calcic schist - shear trachite. - in situ vein - 4/1 ft. 45° CA.	
							59.00 - 59.60 Margin of shear + brecciation in situ - associated with this zone are a couple 1-2 m wide gtr. faulting + gtr. cap. zone that are discontinuous + without any sulfide. - orientation of Marginal shearing = 60° CA.	
							59.60 - 62 decreasing dip + weak ass. box.	
							60.54 - 60.90 FP. Dark green groundmass up 5 ft. indurated FP fragments of quartzite u.c. shape 50° CA.	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-3 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							63-67.5 Tonalite minor FRT w/ increasingly int. sil margins	
							67.5-68.7 Generalized dark grey w/ bx + med. sil section with a core area of 3cm that hosts one milky gr @ 40 cm ten wide w/ dark sil. matrix + TR P% in area required to vein 5/2 next intense close to this vein the a 3cm sack up in core → evidence of tensional forces.	
							locally narrow clear light pink opalite veins w/ int. mineralization.	
							69.5-70. w/ bx + sil.	
							70.7 2cm pink opalite 35 CA.	
							71.20-71.99 weakly developed shear in med. sil section of Tonalite @ 45 CA	
							73.55-74.10 w/ky bx sil w/ later massed calc units	

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HOLE: CAR-17-3

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							75.92 - 80.3 Basal thin flat beds slightly higher density of FLT by contact and a po ^{po} into sig min.	
							slao	
							79.27 - 79.70 Fln Fine grained dark green intensification, partly dehydrated = P.?? non-Magnetite U.C. ~ 30 CA L.C. ~ 25 CA	
							80 - 89 - local patchy zone of box w/ met sil on ground but H ₂ O alt location.	
							81.7 - 82.8 - last sil zone of size at by sil - later H ₂ O alt? no sig min.	
89			89				FOH	
							FOH	

4

CAR-17-04 BEGINS

B-1

①

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-4 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
0	2	Case					Overburden	
2							Tonalite - typical somewhat tonalite light with green buff grey	
							2-93 90% unaltered typical tonalite interspersed with sections of weak silicified fracture / weak br. H ₂ O ass. quartz mineralization. Some of the sections host late reworked quartz up to 10' that are attributed to fracture systems that post date sil ²	
							@ 93 enters into a 10m structure zone	
							3-8.4 Str sil + wk FRT	
							6.5-7.3 Broken core relates to quartz FRT.	
							12.7-12.85 Str sil w/ central wk + some chlorite - cab shear @ 30° CA - 5 cm wide	
							15.33-15.45 Mod sil with fr. 4cm wide cab - chl shear @ 60° CA	
							17.18.9 - Str sil zone centered on core cataclastic zone ~ 40cm wide w/ central narrow cab - chl shear @ 65° CA 21% PY	
							20.20-20.50 Str sil zone centered on 1cm wide cab - chl shear @ 60° CA Tr PY	

CAR-17-04 Freeway

Box End.

1 7.3
 2 11.5
 3 15.9
 4 20.2
 5 24.5
 6 28.6
 7 32.9
 8 37.1
 9 41.3
 10 45.5
 11 50.5
 12 53.7
 13 58.1
 14 62.4
 15 66.8
 16 70.8
 17 75
 18 79.3
 19 83.6
 20 88
 21 92.2
 22 96.7
 23 100.5
 24 104.5

24	108.7	49	212.3
25	113	50	216.6
26	117.4	51	221
27	121.7	52	225.2
28	126	53	229.7
29	130.5	54	234
30	134.7	55	238.4
31	139.1	56	242.7
32	143.5	57	247
33	147.8	58	251.3
34	150.2	59	255.5
35	156.4	60	260
36	160.7	61	264.3
37	165	62	268.5
38	169.9	63	272.9
39	173.6	64	277.1
40	178	65	281.5
41	182.2	66	285.8
42	186.5	67	290.1
43	190.6	68	294.5
44	195	69	298.8
45	199.5	70	303.2
46	204.7	71	307.5
47	208.0	72	311.8

152.2 Insert

73	316.1
74	317.004

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HOLE: CAR-17-4 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							26.1 - 26.2 Str sil (cont'd) - 5m quartz ch sh @ 60° CA	
							26.65 - 27.10 str. sil cont'd on a 5m-qtz cut ch sh @ 35° CA To PT	
							29.15 - 31.35 S.x. 1-2m clean qtz cab chl veins @ 45-70° CA, through section of low alt + green alteration zone no druse, druse sil + ls from near top of section.	
							39 - 38 Transition - gran - series of shallow angle W. Fl. v. l. dark sil massive chert.	
							38 - 41.3 Several closely associated steep sil zones w/ cataclastic zone + local shearing 38 - 36.65 - cataclastic zone w/ steep sil + later qtz - carb shearing locally up to 10cm wide @ 65° CA + minor pyrite. Parahelict in near chertic shear areas.	
							38.65 - 41 partially steep sil. w/ druse ch + carb ch. alteration. no sig. min.	
							44.5 - 48 Several related shallow angle sil + cataclastic zones that culminate in a wide shallow cut for 47-48m minor carb - chl. act. ahead of section. sharply terminated @ 45° in qtz - carb - ch shear	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							48.4 - 51 - weakly broken calcite to intensity FRT? if quartz?	
							52-54 Increasing silty calcite in 52.55 - 52.65 strong sil section of 2m center p'ts - calc-chl un@ 60' CT T.C.P.	
							53.7 - 68 Phenitic green calc. quartz a couple cm pink aplite un@ 40' CT + fine green-ch un@ 2-3m side - barren.	
							68-76.5 Variably silty sil. Transition of (local) calcite section of most intense silty lenses in section is likely bc of calc-chl with trace of H ₂ O filling! on rim of calcite pure calcite unlet @ 40' CT	
							77-86 - Green Transition of phenitic calc-chl FRT + calcite widely interspread through section. Lenses in section reacts to FRT as narrow light grey sil margin w/ calcite inclusions	
							85.99 - 89 Almost continuous section of strong sil of minor 1-2mm calc-chl inclusions @ 55' CT. Locally of calc-chl FRT with silty	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-9

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
						S	92.6 - 104 105.5 wide structural zone of standard composition	
							(1) STR. SIL 92.6 - 95.5 + 103 - 105	
							(2) Cataclastic + dense sil of calc chls overprint 95.5 - 96.6	
							102.6 - 103	
							(3) Calc shear - calc - chls 96.6 - 102.6	
							97 - 98.6 is most intensely deformed. w fabric @ ~ 40° CA	
							weak thrust to overprint throughout.	
							@ 99 - 99.15 there is a 4cm wide qtz - calc - sil PY vein @ 25° CA in cataclastic silts. only mineralization of sig. in section.	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-4 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							106-108 Med sil + thin alt Tonalite is good Bx w/ 2-3% calc. carbonate in filling - in quartz med. dark chlorite alt ² acc. with this carbonate rich units no sig min local iron chlorite shears at 45CA	
							108-109 Bx sil + 5% alt ² lacunae increasing sharply with alt ²	
							3 109-110 Def ² Cat a chlorite of Post sil zone with later generation of copper + lunar and chlorite shears + minor shears @ 50-55° EA no sig min.	
							110-111 Significant as above but later development - calc. carbonate - chlorite - weakly sheared Tonalite 40-55° EA - near late cat a chlorite of carbonate - introduction than shearing no sig min.	
							111-117 Strongly sil but decreasing down highly deformed quartz alt ² only a couple minor sized calc. carbonate zones + rare shear with milky quartz.	
							117-152 Relatively unaltered green Tonalite interbedded of minor sil. limited iron 100%	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-4 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							associated w/ increased FR + WL by then sil zone change to color to light and gray + brownish w/ hematite + sericitizing → subsequent - later mineral beds to be by + carb content up to 5% min + locally from thinning.	
							recognition of post granit zone at 106-106.6 strong sil of carbonaceous grey @ 60°C w/ dark chloritic HC margins and 121.7-122.6 str sil section with small Fe, Mn, Cu @ 70°C light gray. also other HC carb filled carb on life. acc. of v. wk by. from lower in section. w/ increasing carb content.	
							125.10-125.35 str sil + carbonaceous + late carb consistent w/ wk from at @ 25°C	
							127-128.3 med sil + late wk by + carb consistent.	
							134.3-137.6 frequent alt of carbon compared / linked smaller alt of section. but all the same @ med - strong at + late wk by + carb consistent via wk by + v. late carb in carb.	

NSM no sig min.

x37

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-4 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							140.4 - 140.75 → 505 Sil Wkby cal wk fabric @ 50° CA AlM.	
							144 - 144.0 Sukby Cal chl. Sukby Cal Fabric @ 45-55 CA	
							145.46 - 145.75 shallow angle Pa @ 20° CA of Sil carb chl. rock epidote	
							149.3 - 149.5 Slightly different than all the above, dip angle of fabric @ 65° CA and the presence of a trace of qtz of 2-5% Pt less wide. @ 65 CA	
							152 - 157 Cataclastic zone massive within section become strongly sil with an matrix with a core of str sil & moderately disrupted crushed & oncated tonate = no shearing or shear fabric within this broad crushed sil Structural zone are 3 small pyrite and veins @ 35-45° with a max vein width of 2cm. @ 153.44, 155.13, 154.75	

then veins with ore G.D. - no. 46
Median Grg transect get py vein within 1/2 ft. py along one of
the margins of the vein scheduled x15. w/ dark chl. matrix.

GST Green Saturated Zone

X1 B

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-9 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							155.3 - 156 First location of strong bleaching + S.D.P. - locally with conc. of PY egg in vicinity - minor	
							157 - 158.6 GST	
							158.6 - 161.3 Med. S.I. Wk Bx Carb chl. MSWBCC 159.65 - 159.78 Cut zone of clean dis gr @ 60' ch + Kchl. each conc structure of egg and PY blebs → Pyrite in this case seems to be late & related to carb enrichment ? ← → ∴ No Gold??	
							162.75 - 164.15 Med S.I. Wk Bx Carb - chl. of ore zone, calcite mineral clean gr py vein @ 163.33 @ 40' CA pinned out zone with locally ch of PY in gr - Fe vein in dark chl. zones.	
							166.26 - 167.5 ¹⁷² S.I. Wk Bx Carb chl zone. mostly linked together.	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-4 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abru
							175-179 There is a distinct trend in this section that leads to section below in increase in intensity of sil associated w/ disrupted areas + the beginning of an increase in bleaching + ser alt ^s of these are not intensity alt ^s sections.	
							179-181 ^{alt^s below} Int Sil + gtr fluid Tonalite w/ ass. chlor + cloudy gtr - white FP veins that seem to be intimately related to gtr fluiding. Trace of ser are now becoming ass. with this alt ^s .	
							181-182 Gradual transition from above alt ^s to int H ₂ M sil Tonalite cementation + some cataclasis/dum @ 30' CA	
							^{191.3} 183-190 Strong to Int Sil Tonalite w/ variable patchy bleached + SER zones commonly abs. w/ increase chlor gtr white FP veins + dark chlorite. Fluids ass with these veins seem directly related to increased sil + SER alt ^s @ 45-60' CA but variable.	
							191.3 - 192.2 Sil Sil 192.2 - 196 Tonalite - Green.	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17- 4 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							196-203.3 Several individual but almost continuous zones of string s.l ^s contact on calc. like zone @	
							- 196-199	
							- 200.80-201.72	
							202.75-203.15 - 45°C A	
							min. cleaved milky - clear qtz - EP vms	
							ass. lens in section with great bleaching	
							app. to veins: 60-80°C A.	
							locally to 1/2 ass with late wk br	
							qtz calc in belly of pl's.	
							locally weak H ₂ O staining.	
							203.3-211.6 Green Tonalite of	
							min. EP of sil impregn.	
							211.6 - 229.5 Broad Alt. Zone ass with	
							Q.F.P.	
							211.6 - 214.7 String Sil. Tonalite	
							up increasing sil down to	
							EP contact, also by	
							steps half way to contact	
							+ then increasing down to propylite contact	
							with the presence of sil. but	
							partly	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-

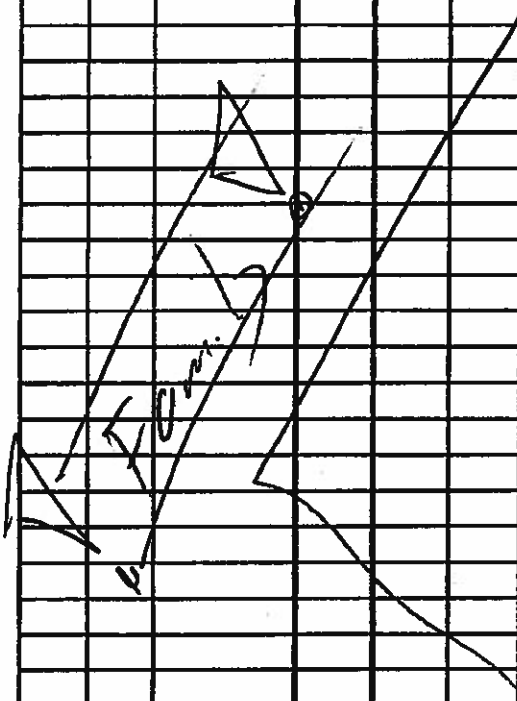
Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
				214.7	216.92	L2	Q FP. upper contact too altered to clearly see contact ~ 30° CA. M.V. gg fine-grained, ground mass of clear 2-3mm gte aggr. locally anhedral Fe/Si-pn phenocrysts are visible. Muddy staining is weak and only present in upper portion of FP. Low primary sulphides.	
							216.7 - 223. Strong bleaching + Ser add ⁿ or weak H ₂ O coloration. No fluorine. some cores of H ₂ l PR with H ₂ l dark alteration cores. locally clear clear white FP veins that may be acc with bleaching + Ser. No sulfid visible.	
						V	218.88 - 218.94 milky-gu @ 60° CA barren.	
							223 - 226.42 Highly altered calc ² pattern. f. ghy pink buff with variable sil, Ser, H ₂ l. add ⁿ seen & related to H ₂ l PR's commonly @ 45° CA.	
							226.42 - 229.5 strongly sil Fe-rich	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-9 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
				230.75	231.05	L2	EP as above dk grey w/ blentig and EP of high flow contacts ~ 70° CA.	
				232.2	232.2		Shr sil zone w/ contact gr of white EP - El. in situ + tabularite margin @ 40° CA. Top P	
				* 234-234.5			Very Int sil + qtz fluidal texture succeeding a 1.5m milky gr @ 45° CA looker pattern w/ minor whisp. chl. clots in un. minor white feldspar veins + minor ess. veinlets. dark chlorite margin on down-hole side.	
				* 235.95-60	235.60		identical to above but narrower vein only 2m wide	
				* 236.16-731.46			as above vein is 4m wide Trace P% off in all residual areas. un @ 50° CA	
				* 237.40-232.65			as above - part un yet w/ minor P% ess in gr veins 14m wide @ 45° CA also to P% ess in dark chlorite un marginal + dis in bleached margins.	
				A 238.80-238.90			as above lamin @ 45° CA	



PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17- 4 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							239 - 252 mic patchy sil zone in turbate, locally at base carb - chlorite - etc mic patchy H ₂ O alteration.	
							245.3 - 246.3 - last few whitish - gr - white dolomite matrix - mic scale but of bleached matrix locally quartz cemented.	
							247.8 - 242.5 str sil + anal bleached or dk grey - carb chl. of slight incubation of pyrite - bit different.	
							253.25 - 253.55 str sil turbate with central carbonate zone - indist gr @ 45° at 2' len wide	
							254.1 - 255.7 - str sil + carbonate zone in turbate on sig veins & mineralization.	
						A	258.5 - 266.2 to Stage H ₂ O staining - reddish color pyrite + carbonate cemented water stain - locally waxy. No sulfide cemented etc.	
							266.2 - 274 patchy sil w/ H ₂ O staining.	
							278.75 2' len wide carbonate zone with gr 4' len wide that is 256.77 @ 45° at matrix strong sil.	

PPTY: Melkior Resources - Carscallen Project

14

HOLE: CAR-17-4 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							282.5-283.2 Strong s.l zone for minor cat zone Yarnite + 6 cm wide for @ 95° CA	
							286.6-292.5 Strong coarse s.l zone of glaucous calcite qtz + white f.p. veinlets - causing bleaching	
							290.90-292.3 Cataclastic zone in tonalite - strong s.l Several dis. glaucous at base to dis. qtz more of phase usual 1/2! but local	
							Green Tonalite	
							296.22-296.60 Strong s.l and cat zone not sampled.	
							298-307 Str s.l broad cataclastic zone - seen as small ones this is one of the largest seen. but only can narrow qtz and Tr of examples from shallow angles 20° seen wide qtz of a Red fides.	
							309-317 Dico WEM ALTi + Carb becomes Red Tonalite lost 5cm of core contains a HL sect of locally vuggy form carb round	

317 [unclear]

245° lost 5cm of core contains a HL sect of locally vuggy form carb round

5 CAR-17 05

①

PPTY: Melkior Resources - Carscallen Project
 HOLE: CAR-17-5 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

B-1

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
0.2							0-3 Core log	
3	116						GRANITE 116 1204 Typical	
							4-12.5 Strongly silicified section of granite with at least two chte chlorite zones + a central fault zone. Silicification increases towards center except where faulting took by w/ carbonate granitic alt^2 & some chlorite content.	
							4-6 - med sil of H ₂ O veins in bt.	
							6-6.7 increasing alt^2 + CA parallel HL FR w/ bleached slightly pink alt^2 regions.	
							6.7-7.80 Cataclastic zone in sil fault w/ rounded boulder chlorite fracture zone fault + shear - relatively shallow angle fracture - 25-30° Strong black chl mineral zones w/ narrow blue calc. and central veinlet locally w/ white p/rite chls + sub-hedral Aggs.	
							7.80-9.3 less worked + altered but still strong sil w/ sil bt that decreases down section blk chlorite center to HL PET's minor sil ass of local sil. & hematite near @ 4-11	
							9.3-10.5 Shows Cat Zone, w/ str sil Hosts greysite veins	

CAR-17-05

Bx	End Bx.
1	7.3
	11.4
2	15.8
3	20.1
4	
5	24.5
6	28.8
7	33.2
8	37.7
9	41.9
10	44.3
11	50.5
12	55.0
13	59.2
14	63.5
15	67.9
16	72.2
17	76.6
18	81
19	85.4
20	89.8

Bx	End Bx
21	94.0
22	98.3
23	102.6
24	107
25	111.3
26	115.6
27	116.0 L20H

PROPERTY Precipitate Gold - Ginger Ridge

DRILL HOIGR14 - 5

Type L - Lithology S - Structure A - Alteration M - Mineralization

2

From (m)	To (m)	Lithology	Visua Log	From (m)	To (m)	Type	Description	Type Abrv
							10.25	
							9.89 - Grey qtz vein begins slip @ 45 CA the dark chert region wall is not bleached from vein low conduct parallel pyrite concentration in low width vein from edge of vein in slightly disrupted pyrite 35-40 grains substant	
							3cm from vein has become disrupted by (10.0m). This disruption by of qtz vein infilling by pyrite extends to 10.25 where transition to carbonate rock is sharp @ chert slip @ 50 CA.	
							10.25 - 11.23 chert + decreasing sil dev - cut some may be associated in upper section SS of the calc-chert H.L. F.F.'s.	
							11.23 3cm chert - chert - slip @ 35 CA of locally pyrite core	
							11.23 - 12.5 decreasing sil + Fe? to become normal Tenebrite grain.	
							12.5 - 19.15 Tenebrite Normal	
							19.15 - 19.55 Two 10cm sharp sil cut zones of SS. 35° H.L. FE - slips about 1/2 to distance of alt = zoning in carbonate surface.	

From (m)	To (m)	Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							21 - 30.4	
							<p>sub</p> <p>→ Core is parallel to a strong alt² boundary that eliminates the matrix component leaving a far pinkish matrix of reflecting fine feldspar crystals to much.</p> <p>→ wavy boundary - contact zone is distinct ~ 2-4mm wide - white.</p> <p>→ Porosity to vein above is interesting - significant?</p> <p>29.5 - 30.4 is lower contact sub parallel to CA. 9g</p> <p>Grand strong alt² corridor that sub parallel CA.</p> <p>Altered tonalite in central section is distinctly feldspar comp</p> <p>→ Not a vein</p> <p>Not.</p> <p>Highly visible alt² but generally of linear grain matrix + pink coloration.</p> <p>- Strong but feldspar → "De sauritized"? ! ?</p> <p>29.4 - lower contact is variable but becomes locally unaltered matrix → Not sil.</p> <p>L.c. visible @ 15" CA. of strong alt² to the matrix</p>	

PROPERT Precipitate Gold - Ginger Ridge

DRILL HOIGR14 - 5

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visua Log	From (m)	To (m)	Type	Description	Type Abrv
							greenish Sacc.	
							30.4 - 69.0 Iron gneiss sil zone in Tonalite usually calc. w/ heavy H ₂ O calc. vults. all of red greenish color alt ^r - no sig veins no sig prop. association of FRs no Al ₂ SiO ₅ .	
							36.6 - 40 part sig sil zone in schist.	
							69.0 - 74.58 strongly sil zone adj. to porphyry, only of FRs that become more granular at contact is approx. @ 50° CA	
							74.58 - 98.44 QFP. No or alt ^r section - variably alt ^d	
							74.82 - 75.85 Tonalite xenolith in PR.	
							74.58 - 76.5 Darker sig than porphyry of porphyry - less bleached, less ph ² phenocrysts than tourmaline possibly include alt ^r + chlorite alt ^r Tonalite w/ Al ₂ SiO ₅ @ 45 - 60° CA variable. H ₂ O FRs are typical zone	

PROPERTY Precipitate Gold - Ginger Ridge

DRILL HOI GR14 -

Type L - Lithology S - Structure A - Alteration M - Mineralization

Conc. Agg but not always

From (m)	To (m)	Lithology	Visua Log	From (m)	To (m)	Type	Description	Type Abrv
							<p>98.5 - 98.94</p> <p>Relatively uniform slightly mottled QFR - light buff grey - 5% qtz fragments in slightly silt matrix no distinct silification - patches of silification (15% +) + pyrite Agg produce a spotted appearance 1% of mineral</p> <p>HC pits commonly have fracture core of black chlorite mineral</p>	
							<p>93.7 - 94.7 Curran's sil pebbled FR w/ black chlorite core + to py - w/ sil mineral</p>	
							<p>98 - 98.44 fine gravel at contact L.C. @ 3.5' CA weakly silicified</p>	
							<p>98.44 - 101 Decreasing Sil. down section w/ decreasing sil by amount some silicified areas trace qtz - calc with the basins</p>	
							<p>101 - 106.7 patchy interbedded Sil. in quartz matrix</p>	
							<p>106.7 - 111.4 weak - med sil w/ variable int by a siliceous calcareous zone No sulphide associated</p>	
							<p>111.4 - 112.7 - Calc. clastic zone - sil sil central portion quite sand clay disrupted trace sil. qtz + int by w/ black chlorite core FR</p>	

106.7 - 111.4

112.7 - 116.8 Decreasing Sil.
 (10 R 01)

6

CAR-17-06

B-1

(D)

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-6 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
6	25						0-25 casing	
25							Tonalite	
							25-40 patchy interbedded silty ss zone. generally ass w/ H ₂ O FR @ 50-80°C.	
							40-57.8 Strong SIL zone centered on one meter wide fault - Drillers noted no resistance to pressure on head + loss of water return that never came back → Hole is artesian. - flowing - capped.	
							40-46. Increasing water depth 5.1 towards fault 43.5-46 increasing by 1 liter + gas alt towards fault.	
							46-47 Fault - rubble + Karapay minor gas on fault in rubble but has not been productive.	
							47-51 STR CAT SIL zone up to PY point. locally a couple dm 1-3cm shallow eyes milky to light grey gr of chert + to PY eggs. 50 gr of chert	
							50-51 looks like series of narrow parallel fractures - gas sol parallel to CA. → section will "run"	

Friday CAL - B - 06

				33	166.5
1	28.6	17	98.4	34	170.6
2	32.3	18	102.8	35	175
3	32.9	19	107	36	179.3
4	37.3	20	111.9	37	
	41.5				
5	46.8	21	115.2	37	183.6
6	50.7	22	119.4	38	188
7	54.9	23	123.3	39	192
8	59.2	24	128.2	40	196.3
9	63.5	25	132.5	41	200.7
10	68	26	136.6	42	205.1
11	72.3	27	141	43	209.3
12	76.7	28	145.4	44	212.5
13	81	29	149.7	45	217.2
14	85.8	30	154	46	221.5
15	89.7	31	158	47	226
16	94	32	162.3	48	230.3
17		33		49	233.6
18		34			
19		35			
20		36			

~~17~~
~~18~~
~~19~~
~~20~~

~~33~~
~~34~~
~~35~~
~~36~~

49
 233.6

2

PROPERT Precipitate Gold - Ginger Ridge

DRILL HOIGR14 - 6

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visua Log	From (m)	To (m)	Type	Description	Type Abrv
							51-53 STR SIL + CAT w/ relatively few clay minerals transition to an alt. Tenebris by 54.7m	
							54.7-64 Partly H.M. thinning to some sarcinite FP H3 interground of purple sil ess w/ red. stain H.L. F.P.S. 50-70°C	
							61.4-62.4 Part. Sil w/ STR + bleached appearance.	
							64-67.2 Red. cont. broad section of sil w/ clay + granular ASS. w/ some inter. H.L. FR. @ 50-70°C no sil. enrich. one minor 2cm. clear glassy qtz - trace @ 55.7m bored.	
							67.2-82.53 GREEN TO WHITE w/ only minor patch of sil zones No distinct Fl patterns w/ very 1-2cm qtz cabs which become granularly 45-50°C.	
							82.03-82.43 Large phage w/ 45°C w/ 50°C	
							82.43-89.0 Pictive hydrothermal alt. granular silicified w/ FP being weakly H.M. staining + granular w/ sphene + slightly pink + grey - almost ap.ite.	

PROPERT Precipitate Gold - Ginger Ridge

DRILL HOI GR14 -

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visua Log	From (m)	To (m)	Type	Description	Type Abrv
							86.55 - 86.90 clear glassy to milky quartz does not carry coarse - has some staining alt ⁿ matrix - clay like it is related + found alt ⁿ above some muscovite in matrix calc is strongly epidote alt ⁿ TR PY	
							86.92 - 2cm milky quartz @ 57.4 alt ⁿ H ₂ O staining local.	
							89.0 - 96.5 89.0 - 96.5 GREEN zone of ore str sil zone 91.2 - 92.3 locally weak by up the ore one pinkish calc carbonate / calcite zone.	Intermittent
							96.5 - 102.6 STR sil zone central CAT zone 99.8 - 101.7 locally to di. PY. in sils	
							102.6 - 103.9 FB FP FB or core Axis parallel. of highly iron content Groundmass has a distinctly pinkish rough aspect FB FP phenocrysts having light yellow green saucer-shaped app. up to 5mm.	

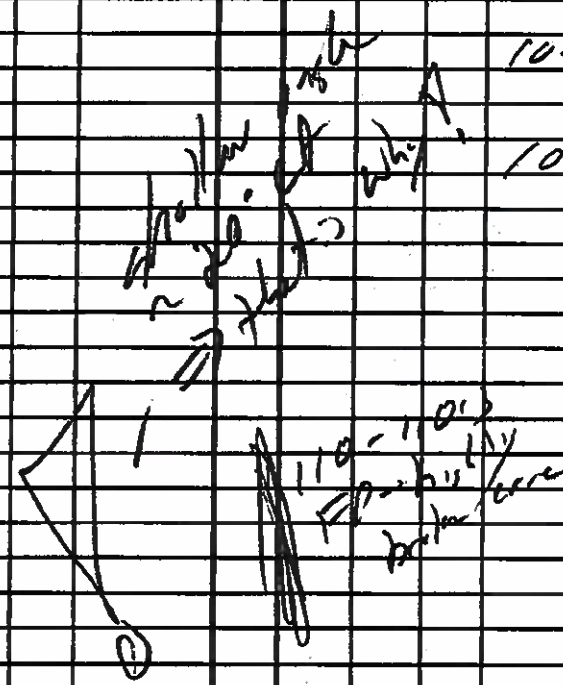
→ looks like low angle fracture

PROPERTY Precipitate Gold - Ginger Ridge

DRILL HOI GR14 -

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							102.9 - 104.9 3-4 clumpy seams clear m.l.b. - gtr - e.g. calcite + black - towards la being possibly second stage discontinuous thin tension veins to 100 to 45-50 - highly variable - all barren.	
							104.9 - 108.5 slight HEM thinning in PR lower in int. of green tonalite	
							108.5 - 113.7 variable Al^{2+} + structure odd section that is granular overall strong sil for upper CAT zone @ 109-110 below this CAT zone	
							110 - 113.5 is strong prod by of H ₂ O to lens of calc. quartz in hills - barren increasing H ₂ O + sulf down section - becoming vuggy + red towards lower part of drill hole	
							→ Cutting across small EP. + is probably same to be over all primary RUC <u>PRECIPITATE</u> suspect.	



Hypothesis

PROPERTY Precipitate Gold - Ginger Ridge

DRILL HOIGR14 - ~~6~~ 6

Type L - Lithology S - Structure A - Alteration M - Mineralization

5

From (m)	To (m)	Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							113.7 - 125	
							0-4 mm patchy sil of int 14% or a bit	
							133.56	
							125 - 133.56	
							Increasing Sil + increasing HEM 1-2 mm red gr. crystals acc of gr. staining brown reddish color locally Alk. increasing ch. alt.	
							130 - 133.56	
							Increasing Ch + Sil w/ strong ch. overprint. Turbidity is very dark grey green w/ patchy remnant HEM (stained) EP → Not much carb. box - as far as I thought carb. was required for ch. alt.	
							133.56 - 142.93	
							Field spec. Daphnia dark grey green w/ sil pinkish green turbid phase crystals in of green grains of phase crystals present but difficult to see	
							137.56 - 136.7	
							showed upper contact @ 35 CA alt increase for 35-50 CA down section still on hand - can sulphide occur no veinage	

As ~~staining~~
near

L.C. 35 CA - well developed ch. margin.

PROPERT Precipitate Gold - Ginger Ridge

DRILL HOI GR14 - 6

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abv
							142-03 - 169.2 Red Tonalite	
							Patchy fabric with of tonalite to pink - red, brown, yellow of carbonates. This tone locally leached out to produce a waxy appearance.	
							Alteration is visible but carbonates bluish looking & white in color of depletion of metal sil. bands.	
							Some of the red with section, searched for sections properties of anything small -> Re sample section.	
							162-115 Most altered section of Red Tonalite - not most intensely altered but most carbonate bluish within it. - Still hard -	
							165-169.2 shaly rock thin @ 25° CA with abundant Sph with chl + sph. gills at top progress to intensely alt - Tonalite with coarse carbonates similar to leach. looks "rotten"	
							- Lower Contact ground of mafic Dyke	
							169.2 - 75 169.75 Mafic Dyke (Tonalite)	

L.C. ?? - 70 CA

contacts ground non magnetic - some are one are has reddish cubic inclusions - over py? - rare.

PROPERT Precipitate Gold - Ginger Ridge

DRILL HOIGR14 - 6

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visua Log	From (m)	To (m)	Type	Description	Type Abrv
							167.75 - 170.6	
							Chert zone, siliceous w/ scales - some + some elem white quartz calc vein @ 40-CA barren.	
							170.6 - 173	
							Siliceous to red of chert	
							173 -	
							Tonalite breccia fragments.	
							175.78 - 175.85	
							Mafic dyke - <u>same lith?</u> dark green FP.	
							176.27 - 176.60	
							Pinkish Aplite alt? vein? @ 25 CA.	
							I think this is a vein alt? - significant??	
							177.35	
							4L FRT w/ STR HEM. @ 20 CA + minor spines - (quartz) side of q. of central veinlets + pt in alt slips. - minor	
							180 - 183.7	
							STR SIL. w/ minor elem per-lets @ 45-60 elem side of minor pt locally.	
							184.6 - 185	
							Two opposite but not intersecting in case alt? ① epidote zone - 35 CA ② Aplite alt? vein? - 20 CA	

185.63 Com quartz @ 60 CA barren.

PROPERT Precipitate Gold - Ginger Ridge

DRILL HOIGR14 - 6

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							1862-1885 190.7 STRIKE of minor CAT one 4mm grain @ 25 CA below	
							194.6-195.8 MOD SIL 195.66-3.5mm grain @ 50 CA w/ local PY ass	
							198.1-199.3 MOD SIL w/ local bx single rounded grains @ 40 CA	
							199.6 - 1cm pink oylite @ 25 CA	
							STRUCTURAL ZONE	
							204.90-220.4 - Variable Potash SIL + CAT - (20490-212)	
							212-219.5 CAT ZONE brown coatings & crush zone of silica, calcite + chlorite alter fraggy gg mottled colorant.	
							214-216 - Probable central Fault broken core + slicken slides on West side fragments	
							218.5-219.5 several 1mm 4mm milky to sandy gr w/ one @ 20 CA w/ local PY	
							218.81 Same m. lg - sandy grain @ 35 CA w/ chlorite partings + Tr PY rice vein but DRY.	

PROPERT Precipitate Gold - Ginger Ridge

DRILL HOI GR14 - 6

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visua Log	From (m)	To (m)	Type	Description	Type Abrv
							220.9 - 223	
							STR 512 + Increasing Red tonalite calcrete down section. Reddish color is accompanied by olivine clasts rather than calcareous - still reddish.	
							223.20 - 223.79 (2V) - 40.5A clear milky to light grey - segregated within localized shear @ 45° ch porphyry of vein walls slightly oxidized in py. that end also contains Tr 67 py ass along veins.	
							239 F0H	
							233	

7

B-1

①

PROPERTY Precipitate Gold - Ginger Ridge

DRILL HOI GR14 - 7

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
0	3						Coarse	
3							Foralite - Altered Green - Essential	
							5.7 - 14.1 Seven individual gr's 1 - 10cm wide glassy - milky qtz - chlorite - fine lin veins - look like the 'PLATS' seen on o/c. - change between 1 & 2cm	
							20.65 - 20.76. STL SIL CAT late qtz vein + PY @ 50°C	
							21.87 - 22.53 Four individual STL SIL CAT + shear w/ late qtz + PY	
							→ One of these zones at the center of section has a 2cm wide bathy developed qtz + 10% PY w/ @ 50°C. - central PY + PY aggs. miner. has ch. + 2% ch. qtz clay matrix	
							23.30 - 4cm	
							23.74 - 4cm	
							24.03 - 6cm zone	
							25.69 - 6cm zone	

23-27 Multaph
small SIL + qtz + PY

CAR-17-01 INVENTORY

1	6	92	41	176.7
2	10.3	96.4	42	181
3	14.6	100.7	43	185.3
4	19	105	44	189.6
5	23.2	109.4	45	193.6
6	27.7	113.6	46	197.9
7	31.8	118.1	47	202.1
8	36.1	122.4	48	206.5
9	40.4	126.9	49	210.9
10	44.8	131.2	50	215.2
11	49.1	135.4	51	219.5
12	53.2	139.9	52	223.9
13	57.6	143.6	53	228.2
14	62	147.4	54	232.3
15	66.3	151.8	55	236.6
16	70.7	156	56	240.8
17	74.9	159.6	57	245.1
18	79.1	163.9	58	249.3
19	83.5	168.2	59	253.6
20	87.7	172.6	60	257.7
			61	259
				604

→ DRILL VERTICAL HOLE ??

2

PROPERT Precipitate Gold - Ginger Ridge

DRILL HOIGR14 - ?

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visua Log	From (m)	To (m)	Type	Description	Type Abrv
							31.01 - 31.46 STR SIL - CAT of phase narrow quartz + py var 2cm wide @ 60° CA	
							32.20 - 32.69 Int. wk by zone of weak regional H ₂ O + infilling white qtz-chal-dol + trace unbr. barren.	
							34.5 - 35.2 shallow angle mm scale H ₂ O shield carb Fk + one 2cm STR SIL + cat LPT @ 60° CA	
							36.73 - 37.46 ~ 5 individual zones plate almost mesa in bore STR SIL CAT - shear of qtz-chal + py - py is only 1% & some as agg grains along chal shears. ~ 60-70° CA	
							37.46 - 39 fine cm scale 60-70° CA Fk of STR SIL LPT in core seam of poorly developed shear.	
							39.07 - 39.54 - MAIN ZONE - STR SIL CAT → w/o shearing, except at base	

also hosts a
clear qtz dol + tourmaline
→ "FLAT" + py → ALL FKAT?

Lower boundary contains hosts a 2cm wide
qtz py (Fk) seam @ 65° CA at base shear poorly
developed.

PROPERT Precipitate Gold - Ginger Ridge

3

DRILL HOI GR14 - 7 7 Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visua Log	From (m)	To (m)	Type	Description	Type Abrv
							74.60 - 49.80 cut by zone of H ₂ O with matrix + infilling of qtz-cab-chl in - locally H ₂ O - barren	
							45.76 1cm qtz-cab-chl in @ 80°C of STR-96 matrix - 5cm	
							46.60 As above	
							48.26 3cm qtz-cab-chl in @ 30°C barren only in matrix	
							50.80 - 53.1 Patchy STR SIC of H ₂ O ALT mass of secondary qtz-matrix FRT + mass var of milky qtz-cab-chl	
							53.1 - 56 - As above but by change to well developed but coarse + parallel qtz-cab-chl var @ 60-80°C all barren Matrix has H ₂ O + decreases down section	
							60.47 1cm qtz-chl-cab of weak H ₂ O @ 70°C barren	

PROPERTY Precipitate Gold - Ginger Ridge

DRILL HOIGR14 - 7

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visua Log	From (m)	To (m)	Type	Description	Type Abrv
							66.02 - 66.98 MOD SLT adjacent to a hem milky qtz-veins - chlorite in base 45-60° ? ice	
							67-70 several narrow cm scale FR of calc + chl. centers - at sulph. ds. generally strong. 50-60° Ch	
							77.5 - 78 STR HL Network of orange red Hem stained HFRS - ODP	
							84-87 Series of intricate SIL - CAT zone of minor pt in chlorite crossveins all ~ 50-60° CA locally HEM	
							88-91 Strong SIL - CAT zone of regional areas inter. m. fr. or by w/ variable SIL locally FR pt central CAT zone has Tr Py of weakly developed central shear @ 50° Ch	
							90.8 - 99.5 MOD SIL of wk Bx	
							108.8 - 113.05 Red Unde fe.	

Not associated directly of any veins or intrusions
 - Very strong HEM + CARB seg. of locally Tr Py in most cussy areas

PROPERT Precipitate Gold - Ginger Ridge

DRILL HOI GR14 - 7

Type L - Lithology S - Structure A - Alteration M - Mineralization

5

From (m)	To (m)	Lithology	Visua Log	From (m)	To (m)	Type	Description	Type Abrv
							113.05 - 132 Green Tonalite - Normal of rings present by + traces of red sil. in matrix if there are less into sil than normal of a red. HEM + carb ass. with all zones.	
							132 - 134 Red Tonalite - as above no ass. with or intrusion	
							134 - 189 - Green Tonalite progressively but intermittent increase in ext. bx of HEM staining towards ground zone below. bx of HEM + carb HL FR. is broad intermittent fabric. sil zones not usually ass of CAT or glau 137.40 10cm CAT zone of clear sil ch1 v9	
							142.8 - 145 - str. band HL FR. / HEM in bx. carb removed by EW → producing blocky ground	
							157.6 - 161 as above	
							162.55 4cm clear milky grey ch1 in @ 65' ch border of string sil markings	
							178.55 - 179 - by as above HL carb HEM - blocky	

PROPERT Precipitate Gold - Ginger Ridge

DRILL HOI GR14 -

7

Type L - Lithology S - Structure A - Alteration M - Mineralization

6

From (m)	To (m)	Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							181.25 - 181.6 - one of a few CUT SIL zones - best shallow angle on 30° CA Strong epidote alteration on upper side for 40cm only HLE EP alt on down hole side.	
							191.5	
							187 - 191.5 Increasing zone spread + continuous bt - HLE + becoming CUT + SIL -	
							191.5 - 196.5 Structural zone - Parah Fault Broad pervasive disruption, local CUT + off Elbow through out locally highly broken zone No veins at all, only minor late which go NE - regional vein. Upper section has no mineral content of H.P. alt that was present for several centres from fault zone. No sulfide mineralization present sig.	
							196.5 - 197.75 Sharp decrease in disruption of broken zone Fault?	
							198 - 215.5 Normal Green Tonalite	
							Notable for a distinct lack of disruption ~ SIL zones!	
							209.75 - 209.85 Plink Aplite @ 50° CA cross cut by HLE EP rich FRT @ 45° CA approx.	

PROPERT Precipitate Gold - Ginger Ridge

DRILL HOI GR14 - 7

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visua Log	From (m)	To (m)	Type	Description	Type Abrv
							215.5 - 216.5 Small zone of strong S/L + weak CAT of center of each rock at SH @ 50' Lt	
							219 - 224 90% of section in S/L CAT S/L but at 100 angles + intensity - has the appearance of being shallow angle - perhaps contain S/L parallel to a S/L CAT zone of larger dimension?	
							222.52 - 223.27 LAMP. U.C. 45 CA U.C. 40 CA fine chert masses some interstitial inclusions fragments, locally to py mineral contact. Trachite (mass) - all down LAMP has slightly bleached color + weak HEP.	
							236.5 - 238.3 Patchy S/L S/L actually all of clear color + milky grey of iron oxidation.	
							240.6 - 245 as above	

PROPERTY Precipitate Gold - Ginger Ridge

DRILL HOIGR14 - 7

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abv
							Structural Zone	
							245-255.5 Broad L.A.T zone in Tonalite mottled medium grey colour dip is patchy & variable as is SLK. Variable fabric but 35-50° relatively consistent no sig veins at all. no sig sulfide in situ + pyrite	
							255.5 G 259.50 H Green Ton min med H ₂ O seen cord HL Bx - 5mm green along gr with gr. pyrite in @ 70° at end of section. pyrite	
							259 20 H	

8

CAR-12-8

B-1

PROPERTY Precipitate Gold - Ginger Ridge

DRILL HOI GR14 - 8

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visua Log	From (m)	To (m)	Type	Description	Type Abrv
0	2						Logging Tendril Green Normal.	
							2 - 5.36 Relatively broken up + FLT. of break of HFM	
							5.36 - 8.71 FP U.C 40°CA sharp w/ lat shear L.C 40°CA sharp w/ a shear	
							MCI - Ill qtz w/ 5% coarse subhedral FP plagioclase act. magnetite to minor Qtz plagioclase massive at HFM in upper half of section (just 30cm weakly shear)	
							8.71 - 23.0 G5T irregular patchy sil zones.	
							13.78 1cm qtz - calcite un @ 45° CA of 5% py along upper of contact.	
							23.0 - 27.6 MOD SIL + continuous ass. of sub parallel massive FLT w/ qtz weak sil matrix @ 60-80° CA SIL Host locally chd in P1 locally of Bz.	

CAR-17-08

INVENTORY

Lot	Qty	Value	Lot	Value
1	6		21	92.8
2	10.4		22	97.1
3	14.5		23	101.2
4	18.8		24	105.4
5	23.2		25	109.7
6	27.6		26	114
7	31.9		27	118.7
8	36.2		28	122.0H
9	40.6			
10	45			
11	49.2			
12	53.6			
13	58			
14	62.3			
15	66.6			
16	71.0			
17	75.3			
18	79.6			
19	84			
20	88.3			

PROPERT Precipitate Gold - Ginger Ridge

DRILL HOIGR14 - 5

Type L - Lithology S - Structure A - Alteration M - Mineralization

2

From (m)	To (m)	Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abru
							26.2 - 27.6 - 47 GST len poorly developed shear @ 35 CA	
							several distinct int of MOD S16 locally ok Pk & HEM.	
							28.2 - 29.2 cut by the S16 of HEM Pk	
							32.45 - 33.6 STR S16 rem of central CAT + mica shear @ 75 CA legally 2-36 of best cut of diff. margin of poorly developed shears + a central mass of better developed shears.	
							43.5 - 44.2 GR - STR S16 cut of two non-parallel lines milky quartz - marginally high conc. of PY dis. is HEM in this S16 zone → still 25%	
							46 - 62. STR S16 located on two separate CAT zones	
							46.4 - 48.65 - STR S16 of CAT + central qtz in 300 m @ 50 CA; milky, 5% hematite - white of 5% of HEM along down hole alteration to PY significant in immediate vicinity of qtz zone.	
							56.5 - 57.25 STR S16 CAT - wider than usual 4 central len PY rich seams - showing qtz component	

with diff mica shear 75 CA

along ch. from section is qtz band of several 4 cm diffuse streaks parallel through section, PY seems to be concentrated directly adjacent

PROPERT Precipitate Gold - Ginger Ridge

DRILL HOIGR14 -

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							62 - 68 Relictive upper part gradual transition (no faulting) to Red Tonalite over 30cm Red tonalite locally contains Fe 1% blebs + is waxy fine carbonate cement.	
							66-68 - Relictive transition out of H ₂ O alt zone.	
							69.3 - 80.3 MOD porphyry sil w/ clay LIT. no sig. veins minor blebs in or oriented patterns + H ₂ O at base filled at base locally	
							78.45 len pinkish aplite @ 60° CA of round coloration	
							81.75 - 82.4 blk. sil masses of clay pts un @ 65° CA horizon	
				93.62 -		FA	med 300 FO.	
				94.20 -	95.93		LADP U.L. 45° CA L.L. 50° CA Fgr, black - magnet good narrow slab pieces semi-circular inclusions of similar? of yellowish green color to suspension. ?? bar light zone in diameter	

PROPERTY Precipitate Gold - Ginger Ridge

DRILL HOIGR14 - 8

Type L - Lithology S - Structure A - Alteration M - Mineralization

4

From (m)	To (m)	Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							93-62-114.97 G.F.P. U.C. 45-0A	
							med gg green. H weak normal shear	
							* too much broken core in section but... it looks like zone is # to G.F.P.	
							med gte phase at present	
							med sil + spr clay w/ wk bx w/ H.C. P.R. / consistency of H.C. - P.R.ish	
							* Tr. in P.R. common through this alt. broken porphyry	
							107-108 wk bx zone w/ gte ch. in filling + wk ch. alt. to P.R.T.	
							6.6. 45' + w/ky shear.	
							114.97-122 G.S.T	
							122 E.O.V	

9

CAR-17-9

B-1

PROPERTY Precipitate Gold - Ginger Ridge

DRILL HOI GR14 - 9

Type L - Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
0		6					CSNG	
6							EST.	
							6 - 43.6 G ST minor inter m. int. patch zones of SIL local wk FR local wk HEM - generally all G ST.	
							14.0 - 14.35 wk Bx of STR SIL dk SIL alt. w/ chl. in two micro sheets one of which has thin milky dis. gr @ 40 CA	
							21.85 - 22.30 wk Bx w/ mid sil + wk bleed chl. HL FR.	
							23.13 - 23.65 SOS. FR - over here commonly have scale dk chl. along the margins frans.	
							28.27.5 - wk by w/ local - str HEM FR mid SIL - variable eds to 1cm gr - chl var @ 45 CA barren.	
							43.6 - 45.52 LAMP. L.C. 50 CA - SHARP L.C. 75 CA MAGNETIC. L.C. sheen + SIL HOST Tonolite.	

Good location for
↑ QU ↓ along strike →

Now 35cm → No QU.
LAMP HAS minor thin central vein @ 45 CA
Barren.

INVENTORY CAR-17-9

Bx	End	Bx	End
1	9.7	21	96
2	14	21	100.2
3	18.2	22	104.5
4	22.6	24	108.9
5	26.9	25	113.2
6	31.2	26	117.5
7	35.4	27	121.5
8	39.7	28	125.7
9	44.1	29	130
10	48.4	30	134.4
11	52.8	31	138.6
12	57	32	143
13	61.4	33	147.3
14	65.6	34	151.7
15	70	35	156
16	74.3	36	158 LSH
17	78.7		
18	83		
19	87.5		
20	91.6		

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-9

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							45.52- 55m STR sil. - possibly - second con with ledge higher in interval forming upper boundary @ 70° CA.	
							49.63- 49.75 LAMP contacts 35 CA	
						*	53.85- 53.95 Small shear w/ multi epidic QU @ 50° CA GW ALT. with some ^{some} quartz ^{quartz} sequence is ~ 5cm thick with contact. Then pyritic chert.	
							53.95- 102 GST w/ minor fault HEM sil zone becoming less calcareous but widens towards top quartz @ 100m minor bt over second section collected at med sil zone - but rel. barren.	
							56-57 cut by med sil	
							61.7 62.2 SIL SIL cut by	
							63.7-64.1 - large xenolith of FP. (dark mix)	
							64.4 1cm milky grey chert @ 40° CA Barren. in int. sil zone.	
							72-74 cut by or med sil.	



PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-9

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							75 - 75 WL bx of HL white calc. v. l. etc.	
							88-93 MOD SIL w/ WL BX of HL white led HL FR.	
							99.65 10R clear atc on descent cross core - add of mod sil - green	
							101.3 - 102.28 patchy sil - as long section desc. lost 10 cm weakly CAT with lost 2m weakly sil - at 9m all at lost 2m thick Brock calc	
							+100 102.28 - fault.	
							102.28 - 104 - Milky QV	
							no contact info. generally: one - injection event, at this time of faulting of included fragments of sil bleached - sil @ P in it, more frequent trends lower content - lots of HL FR sil sil + mod sil matrix - local fault ²	
							only to PY in incl. fragments. otherwise broken...	

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PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17- 9

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							104-104.6 - pit zone if flag in intensely altered & bleached tonalite or is Q? - v. altered + no remineralization of feldspar content - also gradual transition into GST. of T ₂ zone in past. This zone marginal section host, seal irr gts - ask value of cgs and iscs. - barren + traceable.	
							105.35 - 105.75 wk CAT + STR SIL + central microstructure w/ some seal gts @ 45°C	
							105.75 - 109 - decreasing patchy SIL down hole.	
				110.28			111.66 - LAMP Soil chill masses Mylonite U-C 40°C CA L-C 40°C CA - contains some coarse garnish serpentine clasts - retrograde phyllosylt? * → odd - some have hexagonal outline - very distinct - usually sil + rimmed cat from.	
							116.7 - 114.4 wk bx + STR SIL - decreasing and from LAMP + vein.	

113.95 2cm milky-sz gts @ 40°C CA y green chl masses, host also PFT some orientⁿ 40°C

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17- 9

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization



From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							114.5 - 119 sil decreases along with wk bx	
							119 - 120 mid bx of HEM + blebs local minor sh. no sig. veins or mineralization.	
							120 - 122 several patches HEM present in G-ST.	
							135 - 137 Mod sil of central zone of wk (HT + ST) sil. HE FAs are filled of dark chlorite.	
							143.5 - 144.1 HT mod sil - similar to HT sil but this is an unusual zone... looks more cooked than crushed.	
							151.2. 5 cm south - dark gg zone, certain intensity oriented Chalcopyrite	FP?
							G-ST of wk HEM to base of slab	
				150			150H	

10

①

PPTY: Melkor Resources - Carscallen Project

HOLE: CAR-17- 10 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
0	7						Coil	
7	65						GST	
							Bas - 44.7 GST	
							patchy med sil.	
							2.5 - 10.5 med sil. int by	
							11.4 - 12.0 sil.	
							17.25 - 18.25 sil	
							18.25 - 44.7 - only patchy int-med sil + mineral	
							44.7 - 46 med sil w/ complex core	
							45 - 45.56 CAT - SIL - SH - UN	
							45.30 - 45.36 - LAMP @ 45 CA	
							45.36 - 45.41 - SH w/ gg qtz + carb by 5% py	
							- parallel to LAMP P + at lower contact	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-10

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							46.84 ⁴⁷⁷¹ - LAMP @ 40-50°C <i>matrix</i>	
							47.71 - 47.67 EST	
							47.67 - 48.01 LAMP @ 40-50°C CA <i>matrix</i>	
							48.01 - 60.4 EST <i>minor sil only</i>	
							60.4 - 64 wk-med sil + wk <i>locally</i> wh. <i>early infilling</i> wh. <i>matrix</i> <i>nothing of interest.</i>	
							65 <i>EOH</i>	
							<i>[Diagonal line through the rest of the table]</i>	

41

1


B-1

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-11 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
6	16						CASING	
16	90						EST	
							16-24 - FRICT Blocky but no sil - no sil, alt?	
							24-29 alt HE-M	
							32-41 STR SIL zone of central CAT zone @ 37-39 alt top of HC with carb-filling	
							VM CAT ⇒ 41-42 m at central milky gr @ 35° Ct, margin of the face are weakly sheared + bleached - STR of TR / dis P/ - via in some what complex of chloritic partings + interconnect v. alt un is only 4cm true width STR SIL masses locally here up to 1.6m dis P/ in egg in SIL host	
							42-53 EST or progressively more HE-M alt? 53-56	

ODD section - shallow angle open section


 runs down core axis, w/ chlorite porphyry
 and localized sheared areas
 ↗ sub parallel to core axis ↘

INVENTORY

CAR - 17-11

1	6
2	20
3	24.2
4	28.6
5	33
6	38.1
7	41.4
8	45.7
9	50
10	54.4
11	58.8
12	62.8
13	66.9
14	71.2
15	75.4
16	79.8
17	84
18	88.8
19	92.7
20	97.1
21	98

~~98~~
EOM 98

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17- 11 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

2

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							also Strongly H ₂ O all ³ - in sig. inclusions	
							56-57 (cm milky gl ₂ - calc- ch ₂ on very low length of core.	
							⇒ Another shallow angle feature? ∇?	
							57-58 shallow angle chlorite parting re- sch - parallel to core axis	
							→ Another shallow angle feature? ∇ ∇	
							58-62 cut by of HL with indilling.	
							64-69 cut by of cut H ₂ O	
							70.825-71.20 CH Zone of central 30cm wide milky gl ₂ on milky - cloudy of inclusions ch ₂ + lens.	
							→ Targeted UN for CAR-10-9 Contacts broken no appreciable gel beds - Dry on certain logs of soil walk off in en	

3

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17- 4 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							71.2-73 - strong sil of bleaching, in dip of enrichment. - radiolite.	
							73 → 80.5 ST	
							80.5-83 wk Br of H.L. cad.	
							85.5-86 med sil of central of CAT zone	
				92.8			92.8-93.85 LAMP u.c. 15° L.c. 45° → IRK ^A	
							Good drill matrix - Myonite	
							contains up to 2% segregation alt ^d phenocrysts of ? → observed in CAR-17-9 as path of believe.	
							95.8-96.15 med sil of wk of + H.L. cad in filling.	
							98 cont	

[Handwritten scribbles]

~~98 cont~~
98.85

13

CAR-17-13

B-1

①

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-13

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abv
0	15.5						OS - casing	
15.5	60						ALT EST	
							<p>Unusual & extremely alteration of Tonalite to such an extent it is commonly compared between finger pressure. Feldspars extremely ^{crumbly} granitic etc on affected matrix contact altered to a brown amorphous mass with No fabric. No evidence of deformation it looks unstruck almost devoid of any vein material.</p> <p>A fresh sample returned "Zero Gold" interior is intermediately scuffed in area of priority given to least competent sections and there is a grayish coloration as it might reflect sulfide content.</p> <p>Transition at lower end of interval is gradual over two meters.</p> <p>→ <u>Not</u> a fault contact</p>	
							60-71.2 upper part is mostly SLK but as you descend down section tonalite becomes fractured + blocky w/ evidence of ^{quartz} alt ² minor optically dykelet at various angles.	

Inventory CAR-17-13

Bx	Line Bx
1	
2	
3	18
4	25
5	30
6	40
7	44.5
8	49
9	53.5
10	57.5
11	61
12	65.1
13	68.6
14	72.5
15	76.8
16	81
17	85.3
18	89.5
19	94
20	98
21	101.6
22	105.5
23	109
24	113.1
25	117.2
26	121
27	124.8
28	129

29	133.3
30	137.5
31	142
32	146.2
33	150.4
34	154.5
35	158.3
36	162.4
37	166.6
38	170.7
39	174
40	179.3
41	183.7
42	188
43	192.4
44	196.8
45	201.1
46	205.3
47	209.6
48	214
49	218.3
50	222.5
51	227.8
52	231.2
53	236.5
54	239.6
55	244
56	248.1

57	252.5	91	399.8
58	256.8	92	404.1
59	261.1	93	408.5
60	265.4	94	412.9
61	269.5	95	417.2
62	273.2	96	421.4
63	278	97	425.7
64	282.2	98	430
65	286.4	99	434.3
66	290.8	100	438.5
67	295.2	101	445
68	299.5	102	447.3
69	304	103	451.7
70	308.2	104	456.8
71	312.5	105	460.4
72	317	106	464.4
73	321.2	107	468.5
74	325.6	108	474
75	330	109	478
76	334.4	110	481
77	338.7	111	485.3
78	343	112	489.4
79	347.2	113	493.7
80	351.6	114	498.1
81	356	115	502.5
82	360.5	116	506.7
83	364.8	117	511
84	369.1	118	515.2
85	373.6	119	519.6
86	377.9	120	524
87	382.3	121	528.4
88	386.7	122	532.8
89	391		
90	395.4		

(2)

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-13 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							71.2 - 72.5 Aplite Dyke - shallow angle ~ 25 ct	
							Unusual intense alteration of this much larger than normal Aplite dykes & poss no phenocrysts visible in it - edge, massive or mottled light grey to pinkish calcification, color granulation related to sil that is also related to a set of H ₂ O FR that are variably present in the dyke. Miner of agg in some of these FR.	
							72.5 - 74 The Zone.	
							poor core recovery, rapidly ore mineralization top part of section is highly broken up & central part has evidence of good alteration & lower mineralized end at 74 block has been ground core.	
							Length of un-mineralized section is not exactly known.	
							Top part of section is the shallow contact with the above aplite dyke. It is quite possible that a fault is present here	
							The lower contact of the aplite is present and shows a ~ 25 ct. The feldspar becomes shaded out - wt show & the more intensely altered within 5cm & more intensely down hole	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-13 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							<p>The main intact section of the Zone is 40m long + appears to best consist 1-2m wide highly alt^d aplitic unit. This zone is unusual as it is not intensely sil + qtz stained.</p> <p>It is not clear that there is a good correlation with the Zone in CAR-17-14 at showing @ 45' CA in intact section of Zone.</p> <p>P4 is locally up to 5% and most predominant in areas of highest silica content. They showing a weak banded pattern.</p> <p>Fabric seems to change from 25 - 45' left across section. ⇒ Folding - Deformed?!</p> <p>74-75 Immediately beyond zone (74.0) are patches of strongly alt^d tonalite or diorite is present. There is clearly a fault though have some structure.</p> <p>75-83 Tonalite - significantly less alt than normal - very silty non magnetic competent section of silty granite. "slightly cooked" 774</p>	

slightly cooked 774

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-13

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							LAMP? ?	
							82.8 - 83.3	
							Ulfby radien dykelet. / chlorite vein? shallow angle ~ 25° CA highly iron magnetic Dark green + soft but get talcous Multiple periods of injection?? - Ca-located or small iron apatite vein Host looks cooked near contacts locally?? → add. other minor veins of apatite present - rare	
							84-85	
							minor FRT filling of gne - chlorite vein + dense chl - halite although??	
							84-93	
							- wk. SIC + relatively intact + not FRT. 89-90 has several (small) intervals of minor quartz enrichment within iron. Scales FRT filled of green chl - calc. Lamp type material possibly above?? → If this area should consider drilling a 70' hole at same location. FRT ~ 30° CA generally but variable	



PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-13 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							97-120 50% highly broken calc evidence of small \pm through section locally as weak H.M. - some FET. → No sig mineralization or veining at all in Tenadit <u>No Fabric.</u>	
							119.2-120.5 weak H.M. becoming more pervasive. Section only sampled periodically, if any results → sample more.	
							121-123.5 wt by + broken core of weak H.M. ch. FET + small \pm → broken core	
							123.5-140.5 GST. - solid - competent	
							140.5-150.7 - shaly with calc + shear massive layer of waxy claustrite concrete with dis-veinlets - some garnet?	
							144.05 5m with poorly developed ch. @ 45 CA	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17- 13

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type	Abrv
							144.6 - 145.6 shallow, argill. CAT-st at waxy contact gts - calc vein - brown - 2 cm wide - 15-20' CA		
							145.6 - 154 GST		
							154 - 157 at base of the calc veinlets infilling retroduct by Gw alt - black sand. - dk chlorite FRT surface brown.		
							156 - 170 - peculiar alt - that makes GST look like greyish - brown.		
							170 - 179 GST has a slightly different appearance adjacent to contact - intrusive - looks slightly re-crystallized.		
							173.56 - 174.27 ultra mafic dyke. d.c. GST looks very siliceous adjacent to contact ~ 50' CA has appeared GST that looks alt ~ 50' CA color is dk green + highly foliose 3' massive w. mag. aggregate dyke dis. through - not adjacent to contacts.		

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17- 13

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							175.41 - 175.51 - shaly sil zone in contact G57 @ 40' ct - highly siliceous w/ light colors - not a normal sil zone - very distinct almost like an aplite or massy to quite sharp - but not conc. all around	
							→ only one of them	
							179 - 220 210.75 G57.	
							198-199 - sample to look at trace elements but the light grey coloration of leucosomes.	
							210.75 - 212 several shallow angle FET of cab - chlorite texture + ass at bot	
							220.8 - 221.7 shallow angle, clean wide white qtz - about 15' ct horizon up to green chlorite matrix to G1 along veins.	
							221.8 - 226.20 G57	
							226.20 - (35) Altered zoning of "1M Dyke" strong alteration at this upper contact. The G57 above for a bit has a "stony" contact - reorganized - re-crystallized appearance with slightly waxy appearance. but at contact there is a strong segregation between mafic + leucocratic minerals than a rapid thinning/becoming phanitic but of some	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17- 13

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							U.C. - 70' - vesic irregularly later	
							226.45 - 227.30 U.C. Dyke: more complex than just a dyke - possibly several parallel narrow dykes w/ sh. vein 5% subhedral clots of pyrite in irregular zones of concentration felsic + plagioclase carbonate rich - almost none. (F ^{1/2} partly dev.) → QDD. near top (within ~50%)	
							227.30 - 227.40 - similar to above contact	
							227.40 - 229.03 G57 cracked + segregate of increased eugeyn appearance. TR dr py → natural → good rig??	
							229.03 - 229.33 Two distinct vein dykes 50cm wide of dr py conc. in center. Plagioclase similar to above bigger dykes are "cracked" + alt with diffuse net them.	
							229 229 230.01 - 230.04 - as above ~ 60° CA dr py in part is slightly more prevalent.	
							230.3 - 230.4 Thin HL FR w str SL + dK alt about 10% calcite w usual conc of py ass ass w thin Pt @ 55 CA	

PPTY: Melkor Resources - Carscallen Project

HOLE: CAR-17-13 Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type	Abrv
							3cm f. ledge		
							234.90 - 235.05		
							thin Dyke as desc'd in		
							wide sp. alt = low		
							lower contact shear @ 35° ct		
							locally up to 1cm wide P7 eggs almost		
							from hand near lower shear contact		
							235.05 - 239.05		
							GST is wk pt of black ch contact		
							regions of sharp cooling / alt = adjust		
							to the HPT - f an unusual		
							amount of P7 egg all with this		
							character by		
							→ complete f um filled HL PPT??		
							→ sil + mineralization		
							related to um squirts??		
							239.05 - 242.80		
							GST - much less alt		
							247.80 - 250.50		
							Broad weak area of int. contact Bx		
							thin HL Bx zone has been strongly		
							alt by fluids passing through		
							→ sil SR		
							upper 3m has the dark um - chlorite		
							evidence of higher cooling appearance		
							of sil GST + higher P7		
							dis P7 is alt host.		

There is a set of HLP @ 45° over section that is 3cm what consistency orient. 1 + one vein 1cm wide with some orientation @ 247.5' which shows + 3% of eggs. identical app xanthite / 20m dykelet??

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-17

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							251-260 Decrease alt. from some section + only minor FET + but still has pyritic association - significant more dirt than normal ^{EST} This section is reactive to HCL -> but not waxy. Less SIL - More CABB excellent.	
							260.15-262.4 CAT SIL Zone locally pyritic w/ weak banding at 40-50 CA variable 3cm central shear @ 261.6 @ 25 CA w/ local zone of py ^{EST} . 15cm below shear is more SIL w/ 2-3% of py.	
							262.4-264 weak CAT but not	
							264-276.4 Broad CAT Zone Intensity + mass alteration is variable. all is up to CAT CA + py - STR SIL into distinct shearing zones on VN relief / brittle breakers	

Fixed CAT zone

-> Broad crushing & Intera. bed zones of more of SIL on both superimposed.

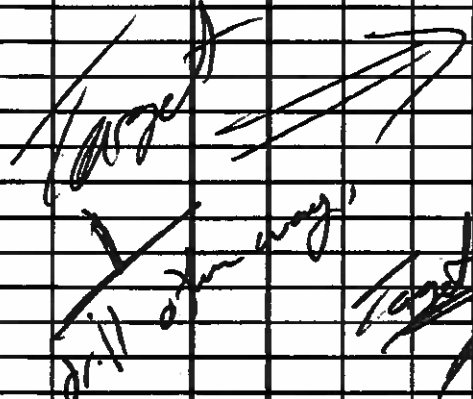
PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17- 13

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

11

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							<p>what is unique is that the bx + sil that is (un)periodic over the CAT zone contains ^{consists of} black H₂O FET - (chlorite/mg) + there is a distinctly granular increase in amount of pyrite associated with this later Bx event</p> <p>Also unusual is that there is commonly CP associated with ^{+ ags} 71%</p> <p>Note @ 262 - 262.20 there is a partial core that does not cross that of which is visible is no pyrite rich + CP in area is unusually common</p> <p>274.8 - 275.25 is a weakly developed shear at angle of about CAT zone of F₁ @ 45° CA. It shows some ch. control on scale of 1% enrichment - 2-3% overall.</p> <p>275.25 - 295.4 Broad weak by zone of strong sil. is present but STR sil GST of superposition of later Bx sil. It by F₂ commonly dark chloritic of enigma sil. It ass increase in Bx. Usually no red strigons. dip of F₂ is alt but common but 1-2% over. Most regular FET direction is 45° CA but is</p>	



PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17- 13

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							289.08 - 289.78 4 of 4cm wide qtz - cab inlets @ 75-80% of dark chd matrix + white - light grey qtz and inlets of mic pt within inlets.	
							290.72 - patchy dark sil ass w/ FRT. + weak bleaching beyond the first time	
							291 - 295.4 Increase in int. of bt + sil as next lower chd zone is approached. dit pt in alt chd becomes more prominent maybe 3% locally FRTs are w/ w/ Bt, the FRT have dark chd alteration + containing pt ass within + more calc if secondary of alt host.	
							291.62 - 291.88 Shallow grey 0.5 - 2cm width blk - dense pt zone @ 25' LA 5% of ags thin in black soft matrix w/ minor white cab - No qtz, matrix	
							√6. * Same contains √6 as one isolated clat 1-2cm wide + 10cm long.	

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17- 13

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							295.4 - 295.9 295.6 Upper boundary of CAT zone - layer of 5-6 cm wide gtz fluidity of 2.5% pyrite agg within gtz fluid area - not a distinct un- L ≈ 45-50 CA No CL minor concn of light reddish amorphous material SPT 27.	
							295.6 - 296.68 - FAT CAT FAT SLK w/ banded SLK plat. moderate. - only minor disc. of pyrite 298 → SPTD resistance if why Gabb is above is banded?? → upper contact of this zone is Target for UG?	
							298 296.68 - 297.7 Decreasing intensity of CAT-SLK zone but by slight increase in disc. of contact 7 ass with later etc.	
							297.7 - 299.34 Shear zone 297.7a - 297.31 CAT transition into narrow shear (partly massive) @ 70° CA w/ 2 cm wide dark sh/lym core, enrichment of 6-8% pyrite sh. to ~2000, minor gtz lenses in narrow shear	

299 - 299.85 CAT transition to narrow thrust land
 shear @ 30° CA
 No py enrichment. ⇒ Changes
Here

PPTY: Melkor Resources - Carscallen Project
 HOLE: CAR-17-13

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

325-325.6 end of log
 gfa flooding ass of 1cm clean to seg with gte albite
 Tr PY 14

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							299.3-304 Gradual progressive change down hole to less sil - str wk by persists + becomes less important down section. - sig less PY dis in host near.	
							302.62-302.83 LAMP contacts are 40' CA L.C. 25' CA shaded of 10% white calc.	
							304-319 EST - Green faintly of minor section of m-d sil	
							319-320.45 Increasing sil + minor by of minor of ass of area not by soil.	
							320.45-321.0 Central down wide CAT zone sup. imp. of later wk by + more sil of PY ass ass of dark chl HCL PRTS ass of Bx.	
							321.0-323.42 STR - INT sil increasing down section of increasing GOR 324.15 as well.	
							323.42-325.6 STR - sil + CAT + SER.	

324.33-324.60 - STR @ 40' CA shaded lamp??
 unusual (green) color -> fuchsite + chlorite
 Tr PY

CA-17-13 conts

326.15 - 331.6

Inter-CAT-Zone is GST
SIL SL
LK HSM
LK SUR

@ 328 one isolated CP blob in ~~the~~ ^{SIL SL} ~~section~~
- odd because it is isolated in ~~all~~ ^{all} ~~the~~ ^{the} ~~unit~~
- Fe as blob, not ass of FOT or un. - odd
(white barange color infilling)
only ~~up~~ ^{up} ~~the~~ ^{the} ~~bl~~ ^{bl} ~~through~~ ^{through} ~~this~~ ^{this} ~~zone~~ ^{zone} ~~of~~ ^{of} ~~the~~ ^{the}
excepting a 6 cm wide CAT zone that
crosses at 25° CAT @ 332.56 m of only F di. V

- is red color K related not Fe ??

there are a couple in narrow
poorly dev. CAT + FOT zones
of chaotic PY over Fe through section. * ↪ recent

336.6 - 341.15

Broad continuous CAT + SIL + SL zone
~~there is a gradual + consistent transition~~
~~across section from clastic to shearing~~
~~to top from top of section to bottom~~
at upper section is predominantly CAT
of 1/2 SIL + LK SIL with an intercalary
but inconsistent transition to more of -SIL to lower
half of section being predominantly CAT (SIL/SUR)

CAR-17-13

p16

patchy weak Py evident through interval, usually
strongest in CAT zones.

lx + FET surface commonly have BLK ch. that cross any fabric that may be present + obs. R12||

SH fabric consistent above present @ 50 CA

locally minor white qtz + "spike" units. Also within
shaly sherd areas.

Sherd zone down section transitions into CAT zone below
end of section.

~~367~~

341.15 - 393

Gradual decrease in sil + return to GST.

343 - 367

GST

345.70

3cm fragment of sparse dark milky gray quartz
- @ 45 CA of sherd masses. To Py
ch.
minor HEM stratification in area.

349.5 - 356

v. weak H₂O FET frag. over interval by narrow
Shaly sil unit of GST.
1cm pinkish splint - rare.

346.6 - 356.85

th by zone of sand sil + Tr - 18 Py sil
within sil GST.

CAR-17-13

P17

starting to see cat - found H₂O/K alt⁺ in FATE.

? - could there be a relationship to epid?

36680 - 2m gte - carb un @ 45' CA
- barren, lower margin reddish - H₂O/K

357-367

Increase in int. of sil ass w/ PET.
when present specifically through section.
if in mine of ass.
also increase in H₂O/K alt⁺ - but still minor
+ usually ass of barren gte carb un.

367-378

Broad interbedded def. zone
WF - mod by E-ST of variable sil. interbedded
between these distinct CAT sil zones
that are progressively more intense downward
+ large

This zone is different in that it is more
carbonate rich than the sil than most
others → accounts for def being slightly
more plastic

37509 - 10m
pink rich section
in sh @ 38' CA

within 10m CAT-sil zone

Main CAT zones @
369.50 - 369.80
370.2 - 373.25
372.2 - 373.60
376.2 - 377.15

CAR-17-16

18

377.15 - 378.30 decreasing sil + mud - wk BX
of ind. by white glc - carb - brown
+ Return to GST.

378.3 - 385.85 GST.

only minor FRT
except.

382.05 2-3cm wide partly developed sil.
w/ no zeolite to carb on at center
+ dark chl sh. masses w/ 7% py oss
conc. in chl masses.
- @ 35' CA.

385.85 - 387.92

LA ref.

U-C
L-C

45' CA
40' CA

shiny w/ good chl. masses

387.92 -

GST

388.3 - 394

wk bx + FRT w/ dark chl. centers HL.

395.7 - 396.55

CI down

396.55 - 397.0

Core 10 cm rim of wk CAT, SILSIL

wk bx

wk Hm/K

disaly py heavy silical along

sil w/lets near core of zone

wk Fils - 40' CA

CR-17-13 cont.

20

40205 - 40385 1-2um pinkish splite on
over length of core, iron not present

404.0 - 419.07 gte cob dhl on @ 45 ct barren.

406-407.6 ^{normal} ant. splite on over length of section

407.6 - 424

Int consistent zone of the FET of dark dhl center
of STR zone + wt of enrichment. In GST

Most part of which is 407-409.5m
lot of these FETs have a 80-90° Ct - normal

418.5- 8cm reddish splite @ 60° ct, more often iron dhl with splite

419-420 wt HEM/K alt² + locally STR but no
ST alt² adj to trace the gte carb - HEM
unit.

425.49- 6cm gte cob dhl on @ 45 ct - barren.

425.80 - 426.96 1-3cm dark faceted gte vallet primarily
coarse coarse units at shallow angles

wt HEP alt² along margins - look like shielded
sh. type sh was - possibly part of ~~some~~ some gte
core of or condense. HEM
more subtle specific train, also see FET wt Bx¹⁰ in

7430
GST

Car-17-13 cont.

(2)

426-430

GST

430-433-

wk H₂O + uric acid by of increasing SIL.

433-~~437~~⁴³⁹

5x
Egg individual with CAT-SIL-SER zones.
interposed by STR-SIL with SER GST of also wk by.
in shell of white glc - cat with

CAT-SIL zone @:	433.24 - 433.10	wk fibre CO CA
	433.92 - 433.04	45° CA
	434.02 - 434.09	45° CA
	435.00 - 435.10	50° CA
	435.62 - 437.97	50° CA
	436.71 - 436.81	50°

439
~~437~~ - 442

GST of isolated narrow FRT of STR-SIL matrix
usually wk by of T₂RY, 45-50° CA is common for FRT.

442- 450.5

GST, fewer in interval start to see
in the FRT + wk by of strong sub masses
+ black H₂O ch₂ centres. → this seen
a diagnostic occurrence lateral to a zone of
interest

450.5 - 451.7

wk H₂O + carb blebs in GST, decreasing
down to transition to CAT zone

451.7 - 452.15

STR SIL GST

CV-17-13 cont

(22)

452.15 - 452.86

STR-CAT-SIL in same elev wide
milky - down to light pink granules
within CAT zone @ 70-80° CA
Tr - 2% Py ass with in CAT zone

Both marginal CAT zone on str Bx, lower
margin more so

452.86 - 457

Bx + STR SIL decreases down section and
then CAT zone, which the str can be identified.

454 - 458

GST of mine but in str. sil FRT's rarely
tr of ass.

458 - 464.4

GST transition from granular to light
granular. A light pink down section.
- light bleached appearance of sil on STR.
- a bit also.

only minor FRT's + non-podular inlets

464.4 - 469.7

STR SIL of STR ~~W/~~ - Red laminae,
but no carb blebs.

469.7 - 471.8

469.7 - 470.82

^{ground}
~~str~~ transition in all
appearance from red to light pinkish +
evidence of stry for all, sandy seams

470.82 - 471.62

U.M. Dyke
 variably sheared, it is a rough description
 but the zone is more complex - in
 its mineralization.

Massive and lower half of section are
 the most prominent showing.

It seems like the alt^2 of the U.M. material
 produces a change to the hydrothermal fluids
 circulating that modify the GSF to the red
 color & locally delineate oxidized which
 can be easily removed by further hydrothermal
 flow & produce a red vuggy tonalite.

471.62 - 473

light pink vuggy GSF showing increases in
 reddish color down section.

473 - 481.85

Red vuggy Tonalite

479-480 broken rock, possible fault.
 last section of section is not vuggy &
 has the appearance of granite.

481.85 - 484.12

Almost as if alt^2 - almost as carb.

→ STR 514 up up U.M.

possible offset slip plane at sharp transition
 @ 80' up.

484.12 - 485

patchy STR U.M. up lower rock by & out
 @ 50' up of an scale microstructures.

Cor - 17-13 cont.

(28)

485-490

gradual
slow refraction in sil to return to GST
by end of section.

- more but distinct H.C. FRT of dark chl
centers - barren: of variable angle.

490-494.75

GST

494.75

4.0m

a pl. ke dyke narrow part @ 70° ct
- upper 2 m of core have periodic
H.C. FRT of reddish alt = relationship??

496.86 -

1cm

milk gr @ 65° ct of Tr. 17 egg near margin
within 1/2" sil margin
width 25cm around sil margin all of vein

→ 504

GST

504-511

Increase in H.C. FRT of variable
orientation + chl centers Tr. 17
net FRT = 500.5 - 509.5

→ GST -

512.42 - 512.82

LAT - 3H - zone @ 45° ct

weak H.C. + minor chloritic shears
throughout

512.71 - 512.76

center with ^{red thin} 55° CA
parry of shears scissite ^{to 2cm}

car-12- cut

25

512.82 - 515.3 wk by + HEM alt area mky Hc granites.

516.67 - 516.97 - narrow str sil CAT of central dk grey
qtz in marginal area wk by w/ str sil
T. PT.

GST

221.64 - 221.82 pink Aplik on @ 40° ct
- sampled - curious about trace elements in it -
- Review -
- 5781 246 -

GST

- minor inclusion by zone 410m w/ 97L sil + dk alt
Hc PET

537.2

537.2 - 545.3 A band zone / 97L-97L contact on
T. qtz + an aplite dyke

537.87 - 537.91 mky dk cloudy grey qtz @ 40° ct
w/ T. qtz app. near contacts
fine alt grains thin banded
appearance in str parallel to
contacts

539.95 - 540.15 T. pink aplite dyke one length of band
section in str fashion. A zone on the qtz cuts dibe 30°

CAR-17-13

26

54515-557

MOD HEM alt of GST
in a patchy but continuous fashion
locally lumpy - carb removal

last note sampled for trace elements

To review results
W701272

END 557

14

(PI)

Carscallen Project Timmins

CAR-17-14

Az: Incl:

Location:

Trussing

From	To	RockCode	Description	By	LinD _{By}
0	18		CASING	1	22.3
10			EST.	2	26.4
				3	31
25	123.9		18-40 Perovisive but weak bleaching	4	34.8
26	128.2		leaching - iron - reaction etc	5	38.2
27	132.4		- iron magnetite	6	42.3
28	136.5			7	46.5
29	140.8		very blocky, broken core but not	8	50.8
30	145.1		crumbly, Fe & Mn still visible	9	55.3
31	149.3		concentric + light green.	10	59.4
32	153.8			11	63.3
33	158.1		absence of veining on sil zones.	12	67.5
34	162.5			13	71.7
35	167		28 highly broken section	14	75.1
36	171.3		- Fault??	15	80.3
37	175.7			16	84.7
38	179.9		34-2 15cm pinkish epid dyke 75° CA	17	89
39	184.3			18	93.5
40	188.6		30-60 reddish iron / K alt = stuff	19	97.8
41	193		and is present mostly in FRT's	20	102.1
42	197.4		through section below to	21	106.4
43	198.0H			22	110.8
			40-48 still blocky core but much less so.	23	115.3
				24	119.8
			57-64 reddish alt = bc common now	25	
			perovisive down section	26	
				27	
			60-62 shallow angle PFT's up the core =	28	
			red core down core - very red -	29	
			-> sampled to date mine	30	
			Fe or K	31	

(P2)

Carscallen Project Timmins

CAR-17 14

Az: Incl:

Location: Bekant

From	To	RockCode	Description
			63.6 - 64.01 STR SIL w/ HEM min - w/ PY of GST.
			64.01 - 64.38 as above w/ a thin lens FRT + clm unlit, HEM STAINED @ 70°C
			64.38 - 63.48 Anomalous Fault Gorge * - Very odd, never seen this before - * 60% Fragments of alt ^d GST in for dark grey green matrix <u>not</u> just chlorite ⇒ ?? Reported! @ 45°C?
			63.46 - 63.80 Same as above ^{petrographic} Fault
			63.80 - 63.80 66.82 Def Zone Generally a single STR CAT + SIL + CHL zone, central zone is qtz flooded w/ 1-2cm centred qtz stream sub parallel to core axis for 15cm and surrounded with massive clm similar qtz at 60-70°C locally qtz contains up to 2% PY but generally lower dark grey brown clm was initially thought to be related to a chlorite alt ^d but might be a combination of SCL + qtz PY.

P3

Carscallen Project Timmins

CAR-17 17

Az: Incl:

Location:

From	To	RockCode	Description
			65.20 - 66.62 is the broad central CAT-SIL zone
			Fol ² above 45° CA
			lower margin 45° CA
			66.75
			66.85 - 67.5
			EST
			Somewhat very regularly interspersed HC FRT of ice projects over interval of strong SIL margin but only to R. with HFM in FRT, finally a cap of the better intervals through section exposed.
			68.75 - 69.50 cut by of SIL SIL + with HFA highly irregular alt ⁿ to produce about equal vertical mass in EST. no sig mineralization.
			69.5 - 69.75 EST as above the rest and out zone
			69.75 - 69.85 the incident + most intensely alt ⁿ zone section since 65m central base dark up to 70° CA only to R in alt ⁿ part.
			69.85 - 70.9 EST of minor HC FRTs commonly 45-55° CA of weaker SIL margins progressively down section.

Carscallen Project Timmins

CAR-17 1/2

Az: Incl:

Location:

From	To	RockCode	Description
------	----	----------	-------------

			<p>977 97.2 - 97.7 SL SL + CHL zone strongest at central zone. - about six separate but CAT SL zone in close proximity interstitial CHL only SL SL weak fabric ~ 45° but variable - not ungsol. locally up to 1-2% of in patches ass of centre of CAT-zones.</p>
--	--	--	--

			<p>97.7 - 198 ^{150m} green CHL</p>
--	--	--	--

miser irregularly jointed H₂O - 5mm FRT
of dark chl centre - reddish margins
of med SL all = holes
as is of occident
Host remains ~~CHL~~

100.4 - 100.7			<p>- odd short section of lighter grey - all of sig interstitial carb evident locally short wk bit of SL - rare is 116.0 - 119.3</p>
---------------	--	--	--

- assol
- chl
- ungsol
- 40% SL
↑

122 - 124			<p>wk bit with manually strong bed all = in FRT - sampled.</p>
-----------	--	--	--

lighter colored part
kistings usually
all of carb evid.

124 - 134			<p>Slight increase in frequency of H₂O FRT of wet SL samples light grey all = usually ass. of combination of SL F CHL, Sarc to next part.</p>
-----------	--	--	--

Carscallen Project Timmins

CAR-17 14

Az: Incl:

Location:

From	To	RockCode	Description
			131.2 - 131.5 is best section of wk by + more intensely altered FRT mass
			In general these FRT do not have a regular orientation, always planar but no obvious consistent pattern
			fractiles are common
			139.5 - 140.5 wk by w/ dark chl centers + Tc py
			153.65 - 153.80 Very odd section - QP?
			A (recessed) shear @ 65' Ct that is better developed toward bottom of section
			center section has 4cm milky gt-cord + chl vein @ 75' Ct w/ margin containing 2% egs sub py xls
			- Pinkish alt ² + calc atia is very pronounced though this occurs 15cm above
			It is NOT silicified - odd ①
			It is NOT calc rich.
			There are some gt "eyes"
			I think it is probably a 10cm QP that has been sheared + altered.
			Tc - 1% py is sil + wk by lower margin.

Carscallen Project Timmins

CAR-17 14

Az: Incl:

Location:

⑥

From	To	RockCode	Description
			154-179 - GST only minor FRT of wt. alt. nothing of significance
			179-179.5 Two parallel gls - each - chl veinlets when wide @ 2.5 cm of wt. sil. matrix + to dip py in add ⁿ but proximal to veinlets.
			181.5-182.5 slight increase in FRT: 1 of dark ch centers. 182.3 a 2cm qtz chert - gls in @ 30' LA barren - v. wt. sil. matrix
			182.5-198 GST only minor FRT: of wt alt =
			198 FRT

14-5

3
SKELLEW (AR-17-14)

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							0-18 casing	
							10-40 Broken up - FRT - GW ALT. Blocky.	
							EST	
							64.8 - 66.8 2 Good meters	
							* Multi CAT - SIL - w/ several interbeds of quartz - some big but 2m interval.	
							CA = 45-70	
							66.6 - 13	
							EST - Boring!	
							empt.	
							95.97 ITC CA SIL w/ few STC CAT but not well mineralized	
							5 No veining. ~ 45 CA level st.	

SKELLETON
#13 P2

PPTY: Melkior Resources - Carscallen Project

HOLE: CAR-17-

Type L2 - Secondary Lithology S - Structure A - Alteration M - Mineralization

From (m)	To (m)	Principal Lithology	Visual Log	From (m)	To (m)	Type	Description	Type Abrv
							Rx 106.	
							468-476 Tonalite is more variably with odd features similar to that near it. Lower content of volcanic -argon all ok.	
							Newer U/P dyke @ 40° CA. Take over.	
							476 - Below tonalite becomes red + waxy down to fault	
							479 Broken Rock - Fault - loss of ^{water return.} water . → Some of water in porphyry?	
							479-485 Int Rx + HEM	
							485-537 E ST	
							511- Aplite 45 Not well One zone 512-514 S12 CAT SH of central 9cm milky gr @ 45	
							522 Aplite 45 - probably L.G. V. zone	

Sketch #13 PB

- 537 - 545 - Possibl Fault zone w/ STR SIL
538 - 4cm QV @ 35 (64) small BT +
- shallow angle Aplite w/ X milkygr - barren looking.
- 545 - 548 Straced all' section of Tonalite - reddish.
w/ aplitic alt?
- 548 - 557 Decreasing VDM ALT. non-straced Tonalite.
- 557 EOH

15

①

Carscallen Project Timmins

CAR-17 15

Az:

Incl:

Location:

From	To	RockCode	Description	Bt	End Bt
0	10.5		Casing	1	914.8
				2	919.1
10.5			EST - Good solid EST <u>not rotten</u>	3	23.2
				4	27.3
			12-17.7 Fault VOID. - sand	5	31.1
				6	35.5
			14.62 7cm mally of chert on @ 75 CA	7	39.8
			Dorren upper margin wk carb alt	8	44.1
			+ light grey for 35cm	9	48.5
				10	52.8
			16.83 3cm in ls above Dorren.	11	57.2
				12	61.5
			18.4 - 19 lighter grey of med s.l +	13	65.4
			med carb / oxidized up wk	14	70.3
			FRT @ irr angle	15	74.6
				16	78.5
			20.75 - 21 - broken cone fault	17	82.9
				18	87.1
			22.5 - 24 wk - med reddish (Fe-ox) alt	19	91.5
			+ strong calcareous in massive carb rich	20	95.7
			FRT → I believe this is <u>K-alt</u>	21	100.1
				22	104.4
				23	109
			26 - 28.5 Moderately broken cone	24	113.1
			due to gas removal of carb from		
			HL carb filled structures		
			27.74 - 27.93 LAMP		
			LC - 45° CA		
			HL - Rock cone		

Carscallen Project Timmins

CAR-17 15

Az: Incl:

Location:

From	To	RockCode	Description
			<i>intervals</i> There are 3 occurrences of LAMP + they may be the same member as below the LAMP is parallel to core axis for about 3 meters
28-28.6			broken core, but GST is STR SIL + med by, obviously highly stressed, within interval there is a sub-parallel gta cleavage as follows (see B&P reworked) - as is surface.
29-29.75			CA, parallel LAMP and gta - calc - all visible up to PY ass in center zone down core, locally strongly ass SIL + weak K-act
29-30.6			STR SIL up second indirect visible use of gta loading.
30.6-30.81			LAMP up good drill passage, u.c. 30° CA, l.c. 25° CA
30.8-32			decreasing sil + increasing calc content
32-32.45			GST
32.74-32.95			med by of gta calc - K-act + a 2cm gta calc - ch on @ 45° CA - in n.t.H - head - lamp?
35.15-38.42			LAMP - runs down CA. Good drill passage.

Carscallen Project Timmins

CAR-17 18

Az: Incl:

Location:

From	To	RockCode	Description
			38.42 - 39.81 GST
			39.86 - 40.05 pink aplite & breccia cone, side box of aplite L.C. 45-CA L.C. 55-CA
			40.05 - 41.25 GST
			41.25 - 41.45 wk box of STR SIL + gln var acc w/ flooding: To P/
			41.78 - 41.87 wk mica sh @ 60° CA of carb enclosed + distribution center
			42.25 - 42.75 MOD SIL + ^{MAP} MAP carb
			44-76 GST old grid on alt GST of only minor FRTS of rock sil
			46.44 - 46.52 STR SIL zone w/ contact 4 cm @ 40° CA To BT + chl whisker trails within so giving a weak banding appearance
			54.10 4cm L.A.R. @ 45° CA.
			63.95 wk box of gln var to alt
			68 3cm L.A.R. @ 45° CA
			67.5 - 69.2 wk box of carb - to alt locally strong orange red coloration

69.2 - long thin lith 0.9m FP.

Carscallen Project Timmins

CAR-17 15

Az:

Incl:

Location:

From	To	RockCode	Description
			70 - 73.4 Increasing dk by of carb equivalent after slugs 514 down section. to top of CAT zone
			73.4 - 75.05 CAT-514-54 Zone Approx 0.5m is red sheared CAT material @ 50° dip to dia CY + shearing fragments sample was clean with bit visible signs that pre-existed in the CAT material. <ul style="list-style-type: none"> 1- CAT 2- very soft of bit 3- sh offsetting veins <p>After 0.5m shearing is progressively less intense to the bottom of interval which is notched to by throughout Low contact zone for 15cm in the box.</p>
			70.05 - 78 red dk + broken carb acc of HL FRT: Carb + Y alt + 50 alt mineral of an material reddish coloration of FRT includes common.
			78 - 88.3 CST only minor FRT + ak sil min carb / alt holes
			79.94 3cm at @ 90° dip to CY - 16 alt hole carb

Carscallen Project Timmins

CAR-17 ¹⁵

Az: Incl:

Location: 5

From	To	RockCode	Description
			86.3-91 STR SIL of wk Kialt / 60' head med CARB in head
			91-93 several shaly angle 15° N Lam. calc. chert nodules in med chert all = bales
			93-112.5 GST
			95.7-98.5 wk bx of reddish discoloration locally
			106.97 zone pink aplite @ 60' ct
			112.5-114 - Alt ² - increasing carb blebs in GST w/ any red coloration, light grey color lower in interval ~ 15% white carbonate blebs + rock (GST) - 15% NOT red - ? Sensible to that by path? // Felsic? R.D. = proximity to U.M. // Apik?? will
			114.06-114.97 U.M. Dike soft for Dark green talcous mass of rock @ 70' ct (apt 5/6) in localized conc. of pyritic mass + trace generally co-located with some weathering in upper 25% of section → Strong relationship of U.M. proximity to strong CARB enriched rock.

6

Carscallen Project Timmins

CAR-17 15

Az:

Incl:

Location:

From	To	RockCode	Description
			To be away about
			There is <u>no</u> evidence of intrusion nature.
			The "dyke" is much steeper than I originally thought. On closer inspection the last 30m is highly altered GST, but just altered as how I suspected: ... This relates to how the GST really generally is ... it is common to see chloritic alt- adjacent + highly correlated to carbonate rich units. In fact it is common for the FRTs to have a chloritic content. In other areas the FRTs is shown by areas as Black - and probably chloritic but I have been wondering if these could be unaltered. In this case the GST has been intensely altered + the calc has presented a chloritic change within the host + is close proximity to intrus such that the boundaries are not definable. ...
			<u>Interpretation</u>
			115-117.25 GST of STR CARB + CHL
			117.35-117.92 "N.M. Dyke" - CHL - T.l. shear? @ 45° CA central area discontinuous V. fissures across in several lines - 1% overall
			117.92-120.5 Decreasing CARB alt of GST
			120.5-130 GST - green 127.95 - shallow angle FRT @ 15° CA of P. fissure from coarse calc rich FRT. w/ carb + graphite alt.

Carscallen Project Timmins

CAR-17 15

Az:

Incl:

Location:

From	To	RockCode	Description
	125.10		125.24 pink spl. t dykelet. cont. B ~ 65' Ct Weakly FRT w/ internal color variation + good drill marks.
	125.24	-190	med. at FRT / by w/ dark alt ^s are clear adj to FRT's no sig. microlite. locally w/ pink alt ²
	130	-164	Increasing Pink coloration down section
	130	-138	weak pink + green coloration
	138	-142	- med med
	142	-148	- STR RED + ink green + black coloration Non. Magnet - , STR med. CARB thin (K), internal.
	148	-163	Decreasing Red coloration + return to light pink + green + black.
	154.5	-156.5	Strong red reddish alt ^s section sampled → check trace elements w/ B 1343 Fe or K?
	164		END

16A

INVENTORY

① 16A B-1

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CAR-17 16

Az:

Incl:

Location:

*30-12

From	To	RockCode	Description						
Bx	Bx	Bx	Bx End						
1	29.7	29	148.3	57	268.1	85	307.3	113	509.5
2	35	30	152.3	58	272.1	86	391.7	114	533.8
3	38.5	31	156.3	59	276.2	87	386	115	518.2
4	42.2	32	160.3	60	280.6	88	400.3	116	522.7
5	46.1	33	164.4	61	284.9	89	404.7	117	527
6	50.2	34	168.8	62	289	90	409	118	531.4
7	54.4	35	173.1	63	293.5	91	413.4	119	535.8
8	58.8	36	177.5	64	297.7	92	417.9	120	540
9	63	37	181.9	65	301.8	93	422.2	121	544.3
10	67.4	38	186.2	66	306.1	94	426.7	122	548.5
11	71.8	39	190.4	67	310.6	95	431	123	553
12	76	40	194.8	68	314.8	96	435.3	124	557.2
13	80.5	41	199.1	69	319	97	439.2	125	561.5
14	84.8	42	203.4	70	323.4	98	444.1	126	566
15	89	43	207.8	71	327.8	99	448.4	127	570.3
16	93.2	44	212.1	72	332	100	452.7	128	574.5
17	97.4	45	216.5	73	336.1	101	457	129	578.8
18	101.7	46	220.9	74	340.4	102	461.4	130	583.2
19	106.2	47	225.2	75	344.8	103	466.2	131	587.5
20	110.5	48	229.6	76	349.1	104	470.4	132	591.9
21	114.9	49	234	77	353.3	105	475	133	596.3
22	119.2	50	238.3	78	357.4	106	479	134	600.6
23	123.6	51	242.5	79	361.5	107	483.4	135	605
24	127.9	52	246.8	80	365.6	108	487.8	136	609.4
25	132	53	251.1	81	369.9	109	492.1	137	613.7
26	135.9	54	255.7	82	374.1	110	496.5	138	618
27	140	55	260	83	378.5	111	500.8	139	622
28	144.2	56	264	84	383.0	112	505.1	140	626.3
								141	630.5
								142	634.8
								143	639
								144	642.2

AJ CAR-17-16 Inventory Count

145	647.4
146	651.5
147	656
148	660.3
149	664.7
150	669.1
151	673.3
152	677.8
153	682.1
154	686.3
155	690.7
156	695.1
157	699.5
158	703.9
159	708.3
160	710.504

Carscallen Project Timmins

CAR-17 16

Az: Incl:

Location:

From	To	RockCode	Description
0	27		NW. CASING
	27		EST.
	27-28		Red waxy tonalite, very broken core
	28-29		Transition out of red alt = + each associated Intact sections of broken core indicate that the EST was undergoing a "medium" day erosion of a CAT event with the anomaly being weak with EST :
			<p>∇ ⇒ Seems to indicate that to south is a broad zone of relatively recent CAT</p>
	29-34.5		Highly variable alt ² and condition of core from almost pristine EST to rather indist ground for decomposed EST.
	34.5-37.0		EST more competent but still much broken core, first weakly sil sections of CAT zone w/o mineralization observed.
			<p>∇ ⇒ Reinforces the longevity of the deformation zone + Breadth ⇒ a ~ 710 m but not consistent but interval <u>large</u> <u>wide</u> <u>complex</u></p>
	37-41.8		Mostly broken core, seems to be related to presence of sub flow FRT's gas ⇒ No Sulfides

3

Carscallen Project Timmins

CAR-17 16

Az:

Incl:

Location:

From	To	RockCode	Description
			41.7 - 43 Test grade of highly FBT EST up if you alt ? if this runs need more sampling in this area.
			43 - 53.5 Intermittent sections of bedding can be seen to SW removal of controlled FBT - several of the most FBT areas sampled - if any sample can be used to sample area - No distinct preferred FBT orientation GST X _{map} - mag. to 130m
			53.5 - 59 - GST - piston
			59 - 60.1 presumed CARB correlated + GST key a bit CMC alt ² ass? - unverifiable - off Mafic variable mag. trend, but I think it's true MSU + computer
			60.1 - 60.9 shallow angle shallow dip ² zone w/ strong CPPB + CMC orientation - no distinct FBT but it is variable + sub v.a. parallel at least locally Fr PY, not well mineralized can catch the FBT
			60.9 - 61.28 STR CAT SIL Zone w/ central multi-ase zone, gfs - cob ch on 9 cm wide @ 45-60° ICA ² for.

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CAR-17 16

Az:

Incl:

Location:

From	To	RockCode	Description
			<p>one of the ones is pinkish carbonate 100% along upper margin of an oolite, lower part is white, milky to clear w/ an abundance of small whispy inclusions of grey chlorite? material / last note: to dip 10% throughout but below vein is a slightly higher dip of contact + closest to in contact.</p>
			<p>61.38 - 62.05 63. Gradual reduction in STR S14 to wk S14 + a transition to wky by S14 GST but unhealed by S14 + later the early minor T₁ dip 10% is GST. locally wk fabric @ 45° ct</p> <p>Generally the dome sections are a typical detⁿ in GST, but w/ more CARB + less S14 than usual + also not very productive</p>
			<p>62 - 76.0 73.0</p> <p>GST</p> <p>Generally green + pristine but starting to be wk / Red FRT + minor wk by w/ S14 STR S14 w/ S14 + weak reddish altⁿ in some areas</p> <ul style="list-style-type: none"> - some pinkish white w/lets 2cm wide at irr. - locally minor wk by is filled w/ dark black chl. or carb. chl. 2cm wide <p>General the more feet sections were sampled.</p>
			<p>73 - 76.0 Increase in by; still weak but broader and w/ strong S14, locally w/ weak reddish altⁿ w/ FRT</p>

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CAR-17 16

Az:

Incl:

Location:

From	To	RockCode	Description
			76.8 - 79.85 Def C Zone
			76.8 - 77.80 STR SIL w/ CAT
			local P1 enrichment.
			77.60 - 77.90 Complex Contact zone
			STR CAT + ST SIL w/ later
			at sh + gtr-albitumets
			- w/ sh @ 50' CA + bulked
			self-idea present seen to be as a thin
			as locally 5-10% P1 are present
			as egg = loose trace along fine
			sham joint + within narrow SL bands
			gtr-offite in 2cm wide same layer
			w/ly later condensed on egg through
			CAZ zone growth suggest that
			shearing produced some dilatation that
			allows P1 to indill in v.ely intercrystal
			fashion between zones of sh.
			77.90 - 79.1 STR SIL, MID CA
			w/ later Pt w/ clear gtr-P1
			w/ly indilling as part of Pt at
			shallow v.ely to ct + irr.
			This zone has consistently elevated P1 - 2%
			79.1 - 79.9 - decreasing SIL + still w/ by
			hand v.ely enrichment of P1.
			- transition out of zone.
			79.9 - 830
			(EST w/ interaction) mid bx + FRT w/
			strong red alt + white carb indilling
			→ sharon

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CAR-17

16

Az:

Incl:

Location:

6

From	To	RockCode	Description
			03 - 95 very weak but wide spread FRT as in best broad by the FRT. of pink sil + locally color like locally clay locally red sil. ass of FRT in joint oriented
			FRT's not @ IRR
			95-128 EST of stability decreasing by FRT down section - very quiet zone
			104-95 3cm qtz chl in @ 65' Ct. Down.
			weak reddish alt ² locally less w/ LTB rid units in FRT.
			→ No sig Pt mineralization in section
			128-149.5 EST w/ persistent FRT's w/ the chl content w/o sil. passings, or weak only rare localized reddish alt ² .
			FRT's commonly 40-60' Ct but not consistent + also shallower + other sil interesting but less pervasive. - a couple of the more FRT areas were sampled for porphyry

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CAR-17 16

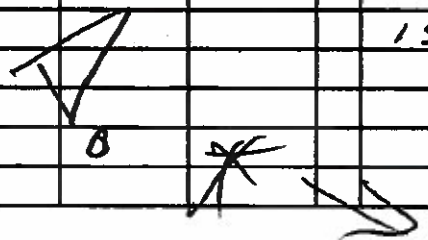
Az: Incl:

Location:

7

From	To	RockCode	Description
			147 - Zone clear to milky gte - hornblende and ss @ 45' CA horizon.
			149 - 158.2 weak to med variable HBray as lower CAT zone in proximity to Aplite located within this CAT zone.
			Try to establish cause-effect of Red CAT Tonalite, No obvious UG in vicinity, but also alt-issue or strong
			Med CATB excitation in matrix of GST are slightly pinkish.
			Sound hypothesis: proximity to these Aplites → producing Red CAT + CATB?
			OR BOTH?
			① UG → fluid + CATB
			Aplite → Red Tonalite + CATB
			So there should have a proximity relationship + with Red Tonalite.
			159.75
			158.2 - 160.05
			CAT - SLZ Zone. Somewhat unusual in that locally weak fabric indicates that we are only at the edge of this zone?

Red
Aplite
↓
CATB



Subparallel *

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CAR-17 66

Az:

Incl:

Location:

From	To	RockCode	Description
			Judging by the fabric + it's variability across the width of the CAT - we only clipped the edge of a CAT-SIC zone
	159.75 - 160.05		pink Aplite @ 30° CA.
			MOD FET ² of this SIC + H ₂ O FET of dark chl + Fe dir PY xls in wk SIC Aplite.
	160.05 - 184		EST - PST variable work to SIC HEM MOD SIC work CATB.
			Relatively non-FET on PY. - competent.
	* 170.60 - 5cm		WK PYX @ 70° CA - ODD-FIN ² piece of EST incl. H ₂ O by matrix: ??
	173 - 5cm		pinkish Aplite @ 60-70° CA. → FET
	184 - 191.46		EST only minor pink chl ² - FET.
	191.46 - 191.79		WK, CAT zone that host a central area of several micron squares of chl slope + hosts several trains of agc 17 x 10 // to west fabric @ 50° CA 2 to PY

possible
+
FET

All could
be deleted
+ present
+ present
later
in CAT-SIC zone

NO CATB

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CAR-17 16

Az:

Incl:

Location:

9

From	To	RockCode	Description
			191.79-192.30 weakly developed parallel ch micaceous - slip plane 1mm wide of dark chd in center + green chd
			Both Q! - um + chl?
			↳ relate back to Red alt + carb
			193.65-194.38 Narrow unfocused cat T zone 3cm wide of STR SIL + bleached dark chl. Hc FRT have TR PY
			194-230 194-230 Cooked G5T Very homogeneous. near FRT + no bx zone
			- BUT - ENTIRE Section has a "cooked" - mobilized + coarse matrix component - "a ed of asing" - weak carb w/ local weak HcM
			⇒ No blue quartz
			→ Near a heat source?
			220-230 Slightly more HcM + carb but still weak.
			214.58-214.74 um Pyka @ 45 ct no chl
			DK green for 7 cm. Soft - flex
			⇒ same material seen in other FRTS + by zones - No PY

Carscallen Project Timmins

CAR-17 C6

Az: Incl:

Location:

From	To	RockCode	Description
			230 - 254 Coaxial E-ST
			This entire broad section of "meta-sandstone" type alteration is co-incident w/
			an appearance of recrystallization + segregation of matrix minerals, but locally variable in that the central section seems to have received a migration of matrix component + hence somewhat depleted
			this lower section is weakly columnar crystalline "UP CARB"
			- all is iron-magnetic
			- no sulphide, excellent
			- massive, and unusual in that the section is relatively devoid of FET or Bx.
			+ an uncharacteristic light green hue that pervades the matrix. One common element over entire section is the presence of several narrow "UM DYKES" generally 10" or so wide
			It seems like this entire section has been extensive alt ⁿ → coalescence of low grade minerals + granitic minerals related to <u>mineral alteration</u> with the return of <u>UP CARB</u>
			+ deposited this at an <u>extreme</u> produces a "UM" segregation → <u>"UM DYKES"</u> .
			that's why this section is co-located with this "UM DYKES"

Carscallen Project Timmins

CAR-17 16

Az:

Incl:

Location:

From	To	RockCode	Description
			237.95 There are a series of HL FRT w/ variable orient. 70 → 40 decreasing downhole some 30cm wide v. wk sil, there is an layer FRT that cross like these FRT that seem from age but w/ aggregation of dark chlorite material along margin of FRT in center of FRT is a HL zone several discontinuous pt. → interesting
			239.07-239.77 Three HP DIPS 239.17 3cm wide @ 30° dt
			239.26 3cm wide w/ 3cm complex qtz-calc @ 40° CA - barren
			239.59 ~ 20cm wide - broken core ~ 45° CA.
			There are no sulfides here with these units all are dark green to black v. soft and look felsic with aphanitic - no xl structure discernible iron contents of FRT.
			*Coarct: But this looks like mostly same as the other + represents matrix component of the UST
			241.58-242.50 While rare, this section has three narrow v. poorly developed FRT + sil zones cm wide dt steep angle to CA w/ 2% sil in alt hole

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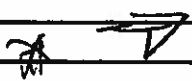
CAR-17 16

Az:

Incl:

Location:

From	To	RockCode	Description
			<p>243.44-243.53 2cm U.M. Dyke @ 70° Lt with 1% dir sp in dark chlorite fests</p> <p>In this case the matrix area to this appears to be significantly deficient in matrix component making this narrow section seem to be a "segregation" of matrix material concentrated within a "UM spact"</p>
			<p>243.70-244.11 U.M. Dyke @ 70° Lt.</p> <p>There are very unusual units. Top contact is sharp bc of slide slides clearly near fault plane. ice patchy distribution of ch Fl x's through length about ~ 2% average of one semi-section concentration / band</p> <p>3/4 way through unit @ 70° Lt is thin but irregular - composed of v. fine mass of sp. This material is reminiscent of pyritic concentrations at the base of the run + 500 g/ton</p> <p>The lower contact of this unit is interesting in that the last 5cm of the unit appears to have a gradational contact with the UST as it becomes v. dark green but 5cm up renewed Fl x's in dark anorthophenoid - some ground seen through this short section - make contact's uncertain.</p>



245-250.5 - More waxy & segregated than normal
rare FRT w/ evidence of ghaCT

250.5 - 261.5

GST - transition from UST → GST
section becomes increasingly FRT down section.
w/ FRT softens being black, soft + better structured.
on an order of 45°C. but variable

Increase in FRT only occurs after transition out
of UST. This transition is clearly visible, is
gradual over 20 cm and is not fault related

259.01 - low side of core
w/ complex & slightly
orange colored bottom @ 75°C

Sample w/ 071404 is of UST to evaluate trace elements.
there is nothing else in section sampled only UST.

261.5 -

261.5 - 281

Highly fractured section lateral to a deformation zone
at 274-280m

There is an set of relatively consistent oriented
CS - 075° CA

Water source →

These FRT commonly have an associated micro breccia
zone lateral to them - the beginning and young
example of how the CAT zones are formed.

The FRT softens display evidence of Gwalt
& display an unusual orange coloration but it
does not exactly look like limonite - no orange.

These colors are the same
or that same fine texture
with the color down
"extensive over" ↓

This same section hosts weak but soil zones
of an older event + patchy locally STR SIL
The youngest event is interesting in that
it also hosts gte abt weak white, - not usual.
on this point.
NO PY.

There is some use of FRT's through section that host dark chl centers.

locally there is Tr dis PY.

- 274-275 Multi use defor zone
- ① CAT w/ wt SIL - 20°C A
 - ② SH w/ gtr cals + chl. - 30°C A
 - ③ Fault - 60° ??

The directions are not all consistent but there has been many indicators down to here that there is an element of a sub parallel defor system to this drill hole, in addition to one that we are crossing effectively.

→ No PY enrichment.

275-276.5 weak fabric sub parallel to CT STR SIL at them

278-281 Some of the most pronounced young FRT w/ buff bleaching and micro by up to any sal sider. Visually very pronounced almost as reaction to CT

281-282 This section is unique in that it hosts a series of v. narrow gtr + PY + chl units, irr + indistinct masses of translucent grey as if a weak layer by? ?

282-283 w/ by rapid 1/4 parts

283 - 283.5 ~~at~~ CAT SIL zone
 as progression indicates to transition of
 lower band of micro SH + 1cm wide
 qtz - PY quilt @ 35°C.
~~was not~~ more like qtz - calc - PY seg
 along micro SH interface than a vein.

To see PY throughout but cover within 3cm of
 lower contact.

Chlorite to see transition as CAT becomes shaded.
 qtz is only light blue locally.

287.10 1cm wide qtz-chl-calc veinlet / micro-herc @ 25°C
 at 90° alt
 - several of the sub parallel FRTs also radiate
 from this main FRT-veinlet, part of creek by system

287.67 - 288.01 UK CAT SIL zone
 weakly later by zone of chl-PY FRT

292.58 - 292.88 MID CAT SIL zone @ 60°C
 similar to above
 the CAT zone transition to a focused SH
 at lower contact
 + hosts a 1cm qtz PY vein along this SH

→ 293.6
 END of GLEYS broad SIL
 + cooked section.

293.6 - 300 Return to GST
transition is gradual over 30cm + NOT Faulted.

293.6-297.3 Narrow + ice oriented FRT list strong Redish
not 4 MOD SIL.
else OK HEM to making generally

300-300.8 Increase in SIL + beginning of WK CATB

300.0 - 309.11 wk CAT SIL zone
qtz slightly bluish
no SH but hosts a central lam qtz carb¹⁰² PY ~~on~~ veinlet
@ 40°C : showing more of a central segregation
than vein, poorly defined contacts

309.11 - 309.7 wk FRT' HL w/ chrt carb. @ 40-60°C ice

309.7 - 309.8 v. wk CAT SIL w Tr dis PY

309.8 - 303.33 Increases wkly FRT with the young
buff - bleaching micro bt system present to
some degree w 40°C preferred.
qtz it becoming more granular light light blue.
Tr PY in HL FRT wdk. chrt.

303.33 - 304.44

STR CAT SIL zone.
a couple narrow grey translucent qtz or i-distinct boundaries
apparently ast of qtz flooding + 2% dis PY
locally concn. PY trains @ 30°C
one of these PY trains has one mm co-located V.G.

304.44 - 307 STR SIL + locally wk by

306.12 - 306.22 wk CAT SIL zone @ 45°C
at 4cm grt carb on at center, 10% dis

307-312.5 Beginning of lighter gray coloration ass of
decreased SIL + increased CATS blebs in
matrix of GST.

308.33 - 308.62 very weak by w/ grt-ch on x-cutting.
at 40°C w/ several microns sth parallel
+ in close proximity - barren

Section does hosts are distinct milky + light
gray translucent grt on at ~ Zoned
w/ chl. inclusions of host + unusually large
ass of sth PY kls isolated within
orientation of vein is not distinct ~ 45°

311.50 - 311.60 similar in appearance to above on but
wider and @ 30°C w/ tr PY in
chl. inclusions

312.50 - 314.30

Section hosts a ~~series~~ series of sil parallel
m. scale FB7's @ 50 - 70°C
of some family or observed uphole - buff-bleaching
w/ pink/orange colored alt²
- Proximity of FB7's + ass wk by produces
profound coloration change to mottled buff-orange
"Lustrous One" To dis PY only.

314.4 - 324.4 E57 but w/ highly variable alt²
 + still w/ cals in matrix.
 abundant H₂O and filled FRTs w/ preferred orientation of 50-70° CA
 commonly w/ dark ill. regions.
 highly mottled coloration pink-green, grey, but, bleached
 lots of use of FRTs cut w/ a slight dip alt² pattern
 322.85 - 324.17 section best thru
 gte formation only @ 45-80° CA - barren.
 2cm to 8cm wide

324.4 - 325.0 w/ CAT zone of secondary by H₂O
 buff-bleaching fluids + reddish alt² associated
 → Reddish - orange - buff colored section that
 was initially a CAT-slc zone.
 To say as usual in this zone but
 not related to coloration I do not think.
 back slope @ ~ 45° CA

325.8 - 332
 Decreasing FRT + alt² down look
 w/ a return to
 E57 by 329.5

328.33 - 328.45 Milk gte ~~on~~ @ 45° CA
 Porosity, one mesin is calcitic.
 (no tour)
 slightly pink colored

330.8
 pinkish
 solⁿ
 -331
 Aplite @ 20°
 pinkish
 - 20°
 pinkish
 orientation

330.8 Even pink Aplite @ 20° CA
 331.72 13cm pink gte bar on @ 50° CA ombles EP.
 ads host w/ by + w/ H₂O

Carscallen Project Timmins

CAR-1716

Az: Incl:

Location:

From	To	RockCode	Description
			332-338.6 This section seems to clearly establish the age relation ship between the pink Aplite (assuming they are all the same age) and the mineralizing event as well as the sil ² & late biotite movement in pre-existing CAT zones.
			Section hosts a narrow CA. sub-parallel pink aplite 2-3cm wide that is intermittently present along section. The aplite enters into a 200m area of deformation at a different angle ~ 40° CA. A complex zone of bx, sil, CAT and locally minor shearing. Observation in this section indicate the Aplite is older than all of the deformation is the interesting deformation. It is quite clear.
			332-332.70 Aplite sub parallel to CA w/ bx + sil + also w/ bx of indilling gtz Chlorite w/ bx.
			332.70 - 333.40 Strongly sil + w/ HL in GST w/ w/ bx + HL white calc w/ sil. The sil in old host matrix as in sil py agg. However 30cm is poorly developed CAT zone, host host py evident but still only 1/2.
			333.40 - 334 Steadily decreasing disruption + sil ² down section. Still host matrix of FRT. Surface being dark Chlorite + prominent.
			334.35 - 335.08 Complex CAT SIL zone @ 30-45° CA width

~~Aplite relations~~

~~Old sil~~

*

Carscallen Project Timmins

CAR-17 16

Az: Incl:

Location:

From	To	RockCode	Description
			Upper 25cm may contain bx + sil aplite in E57 lens section is well developed C/T zone is E57 but slightly unusual in that the remainder of it is blue - pressure stressed - and the radii conspicuous have become more abundant + in these areas specific areas that have an ice shape but crudely laminar are local zone of P/L to H 5% + is usually to have after CP. is more heavily in relatively sharp but still transitional not a fault @ ~ 30°C
335.00	-336		weak patchy bx + E57 of locally strong sil ² with very partial orientation.
336	-337.6		only minor FRTs of LK sil ² one single qtz - cordoned clear of strong orange red sil ² at regions within.
337.6	-337.85		about a dozen HL FRTs - micro shears of chloritic ore scale contact + strong sil ² about 1-2 cm apart w/ int. P/L contact is but - these truncate an aplite which is present below.
337.85	-338.6		1-2 cm pink aplite runs sub parallel to CA @ 40°C. The qtz in the last through this section generally has a light black base

Carscallen Project Timmins

CAR-17 16

Az: Incl:

Location:

From	To	RockCode	Description
			339.54 - 340.10 Several HL FRTs that increase in angle down section 30-45° CA w/ mid sil margin + To dip by 1/2 unit of wk HEM.
			340.7 - 341.8 There is a family of Shallow angle HL FRTs of mid sil + dark chl contact + locally white ch at v. center - that are present through this section. Locally a minor sil incident but rare. does not look productive.
			One hair need to comment that. Unlike the sil CAZ zones are being crossed at a reasonable CA angle. There is strong cumulative evidence of a sub parallel fracture near this part of the drill hole.
			346.8 - 347.5 v. wk by zone predominantly w/ FRT @ 35° CA + also sub parallel - no sulphide incident.
			349.75 - 365 There is a progression from the other section down through here with the GST having a weak but permeation by ass. the FRT's are filled w/ only dark alteration material. No ch. No carb. There is a calc. permeation but patchy sil host sil. looks like GST. No sulfide orient. -> BX. No sil incident.

Part of Section

Carscallen Project Timmins

CAR-17

16

Az:

Incl:

Location:

From	To	RockCode	Description
			355.5 - 362.15 MUD - STR SIL ^{1/2} wt wk By some of the sil FATS ^{are} chl. but are slightly str ground To PY ^{1/2} wt sil ^{1/2} wt is host. No fabric
			367.15 - 369.9 Broad CAT - SIL Zone. upper 40cm + lower 10cm are only weakly cataclastic + str 8h with a weak fabric @ 60-65° CA
			367.55 - 368.80 Part of the largest continuous sample CAT zone I have seen. Unlike other horizons it is as though normally are a pre-existing CAT zone - subsequently sil, multiple fine-scale diffuse def ⁿ weak produced wt by wt shearing + granule/fragm. in addition, some of the wood enriched this central CAT area w/ an incident of PY. 5% PY as egg trays, commonly egg w/ for the other micro shales, also floating in clear - translucent gr. ass of the floating
			368.2 - 369.8 Transition to weakly deformed @ 50° CA SIL CAT - locally sil ACTW + PY incident produces a weakly banded appearance. str has a distinct bluish color in normal CST PY compound w/ to 5% in a wide range of dis. micaxls to cgr egg

Carscallen Project Timmins

CAR-17 16

Az:

Incl:

Location:

From	To	RockCode	Description
			Spic planes have slicken slides in dark ch. material.
			369.9 - 369.9 - 370.27 STR SIL. GST
			370.27 - 370.52 Wk CAT - STR SIL fabric 60° CA
			370.52 - 371 - STR SIL
			371 - 372.57 Still some strong SIL but of minor local bx of dark ch. F&T fill.
			372.57 - 374 Interdigitated Def zone patches but strong CAT - SIL zone of fabric locally @ 60° CA locally some areas have been cut by later & clear gls - py veins that are not necessarily concordant w fabric These minor veins can be 25% py or 25% or 50% py. These are always with in most into CAT zones.
			374 - 374.7 - STR SIL - by wk bx and dark ch in filling of F&T. To PZ.
			374.7 - 375.5 STR SIL permits these sections of gls permeating bluish but F&T a bx.
			375.69 - 378.70 Wk CAT - SIL zone @ 25° CA of poorly dev of 3% py filling out of this central shear area. poorly dev

B 33-37
25
11B

Carscallen Project Timmins

CAR-17

16

Az:

Incl:

Location:

From	To	RockCode	Description
			377.5 There is a major transition here in this area within the EST host host, fault related.
			This has been seen before. There is a sequence of changes that the host undergoes, that I believe are all on secondary imposed metamorphic type alterations
			① Quartz is not blue anymore. Transition is less than 10cm wide and visible, is no longer on ground core.
			Then there is a general change where the host which still still has a higher mafic component with several "iron dykes" in this area that may be segregation out of this same zone from near by. These iron dykes have clear textures & are an early intrusion of soft dark chloritic type aphanitic material that here hosts ~ 7% dis P% calc xls and some P% xl texture in weakly formed fabric at 45°C - grade to 35-60°C
			The iron dyke material looks a similar to interstitial mafic material in COOLCD EST
			- All non magnetic
			378.22-378.40 - Main iron P% @ 35-60°C.
			Below 380 m there is a gradual + continuous decrease in mafic component to EST to 383

Carscallen Project Timmins

CAR-17 16

Az:

Incl:

Location:

From	To	RockCode	Description
			383-386.3 The (COCKED) G-ST has about is leucocratic with a minor matrix component qtz still not bluish, rather colorless content of locally v. ss.
			386.7 - 389.5 Increasing in matrix component + a return to a light green coloration, but in matrix not FP qtz not blue
			389.5 - 392.15 G-ST transitive back to G-ST is over ~ 10cm and a return to bluish colored qtz
			390-392 - v. wk bx w/ dark chl. FRT s.d. zone
			390.7 - 390.91 wk bx w/ STR s.l.c. zone w/ Tr - 1% PY as dis. sub 1/2" is + ass adjacent to FRT1 in sil host. FRTs @ 45° - weak Fabric.
			392.15 - 397.64 Increase in int. of s.l.c. ass w/ wk FRTs w/ chl chl centers Tr PY is areas adjacent to FRT.
			392.64 - 394.96 Interstratified d.f. zone Fam. separate, CAT s.l.c. zones separated by about 15-25cm of bx s.l.c. host w/ dark chl FRT. qtz is blue

Carscallen Project Timmins

CAR-17 16

Az: Incl:

Location:

25

From	To	RockCode	Description
------	----	----------	-------------

The entire width was is at least
 weakly CAT but none of it is
 very strong broad gr - med CAT
 of similarly variable SL

One difference in this section from the
 usual CAT zone is the amount of
 the black CMC that seems to pervade
 all sections.

There is one lot of FRT @ 45° that also
 has more scale black material, but these
 soft
 some FRT do not persist across the CA.
 they are part of the "black 'war"
 type material in drilling.

⇒ This section also contains more PY
 than usual → possible correlation??

a 2% PY grade usually see dark ch. material
 but none within a usually associated to it.

394.95-396.2 EST UK SL

396.2-398.7 Several 5-6 patches weak
 CAT zones interspersed through
 section.

consisted of debris FRT + what's @ 50' CA
 which into SL SL it has a lighter grey
 coloration + UK CMCs enrichment

396.90-397.37 best min section

Carscallen Project Timmins

CAR-17 16

Az:

Incl:

Location:

From	To	RockCode	Description
			396.96 - 4cm milky ^{to light gr} gtr = dk outlet @ 45 CA
			4 abundant incl best incl.
			+ Tr PY egg as with incl fragments.
			3-4cm chone in has higher dr. PY content
			~ 2-28% PY.
			397.36 - 6cm wide gtr in as above of
			5mm pyritic fragments at upper
			margin but within host + ass of
			a dark chl. matrix
			- 45 CA
			Host has slightly higher dr content proximal
			to us.
			398-398.9 Truncation not as wky by host
			+ these intersections host dk chl FRT.
			+ locally also some chone of PY egg along
			margin.
			398.9 - 402 Increasing SIL in EST
			with increasing competency
			~ 40 FRT ~ 8%
			402-402.95 Increase in SIL + a minor amount of FRT
			@ 70'ct that is equal to orientation of
			initial cataclastic fabric.

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CAR-17 26

Az: Incl:

Location:

From	To	RockCode	Description
			Transition into CAT zone is over 15cm w/ transitional fabric @ 70' CA
			402.05-403
			403-404.03 CAT S1C Zone; remnant gtz is bluish. STR S1C zone is a bit different than for it hosts a central shear + a central gtz py un.
			403.37-403.62 Complex multi aged zone of disruption + shearing, some chloritic + CARB enrichment of disrupted m. th gtz - calc. calcite, 1-2% Py in dist. a. th or ash - calc for 11x17
			403.63-403.70 light grey gtz - py un @ 65' CA. - 5% Py in dist. as agg in gtz low matrix of ash is indistinct lower is deep.
			CAT zone below vein host a 1% dist Py + gtz is clearly bluish. Transition out of CAT is rapid over 5cm.
			404.3-404.6 GST M-D S1C.
			404.8-404.92 weak CAT zone - 5cm wide w/ M-D S1C + CARB on margins Fabric - 70' CA

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CAR-17 16

Az:

Incl:

Location:

From	To	RockCode	Description
			405.73 - 405.81 Several HL FRTs @ G5CA - unusual because there is an associated gtz flooding that radiates from them HCFRT that have behind what almost appears to be a light grey gtz w/ v. indistinct boundaries + cbl in v. for dis pl in these all = massive
			→ Not sure I have ever seen this before, Murchison?
			405.81 - 409 G57
			409 - 411.4 Increasing SIL w/ minor FRTs + scattered of poorly dev. CAT zones
			411.4 - 422.2 Consistently SIL SIL through section marginally more intense than above section gtz are light bluish here Over entire section there are periodic minor CAT + SIL zones:
			411.44 - 411.66 60° CA
			412.72 - 412.80 60° CA
			413.76 - 413.84 65° CA
			414.29 - 414.36 60° CA
			414.50 - 414.66 60° CA
			415.74 - 415.85 - v. weak.
			419.22 - 419.36 70° CA
			422.80 - 422.16 - 60° CA

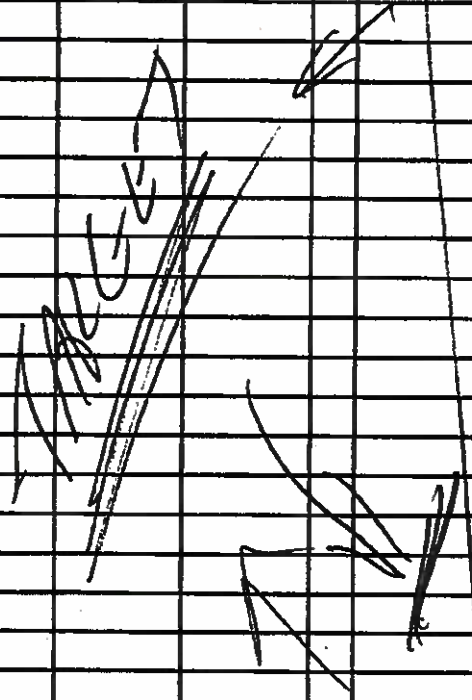
Carscallen Project Timmins

CAR-17 16

Az: Incl:

Location:

From	To	RockCode	Description
			422.22 - 430.76 CFT SLC Zone + S4
			Very Broad and very continuous CFT zone w/ relatively good fabric esp. at SCL + CCL in washed out @ 20-60' ct. Generally shallow angle lower in section.
			Zone is somewhat anisotropic that the color of the gte is only marginally bluish + the appearance of staining etc. about equal to crushing with both only 1/2K-med developed.
			Locally there are some zones of more intense CFT + less of S4 but not to the extent of that usually observed + even in the small zones up here from this major one.
			SLR development is more pronounced than usual
			PY is present throughout but not in great conc. and w/ local conc. up to 2%
			mostly esp. in minor gte patches that occur at top of ign. 425.5 - 425.7 1 cm above to light grey gte on meanders along core - of net in this
			gte is massive as lined up mica xls of MUS (-light green) ? - odd. and dk chert + locally conc. of PYX1 esp.
			w/ some clear white gte - albite on top, bridged present, but not related to PY mineralization.



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CAR-17 16

Az: Incl:

Location:

From	To	RockCode	Description
			430.75 - 432.61 STR SIL GST only minor FAT
			431.61 2cm wide str SIL + BLEACH 55) 4 FAT @ 30° CA - U. INT SIL.
			432.22 3cm apt + blk trace @ 30° 8A ↓ to core un. w/ Tr Py.
			432.61 - 434.15 LAMP. U.C. 65° CA L.C. 45° CA good ch. ll missing
			Plunged angle within SIL GST have a distinct optical appearance w/ a recrystallized matrix type of appearance.
			434.15 - 435.95 On the lower side of the LAMP contact recrystallized appearance persists, rather than previously observed.
			435.45 - 441 GST - normal - primitive of section but a shallower angle (210°) each - Hem Pb7 clear side (Barnes)
			441 - 482

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CAR-17 16

Az: Incl:

Location:

From	To	RockCode	Description
			441 - 442 GLENN - EST - pistine anomalies increasing green coloration down section - Broad section of EST that has been weakly + pervasively FRT with those FRTs being weakly sil, density of several per meter and also every several meters there are small poorly developed CAT zones up to 10cm wide of presumed sil matrix and locally to PY. no distinct orientation to FRT patterns but ~60-70° CAT is common. " " PY visible out in v. minor.
			443.54 - 443.71 wk CAT sil CARB chl - 5# @ 60° CAT T-PY qtz has some bluish.
			446.57 - 446.94 CAT - SIL - zone that has been later by w/ qtz - chl concrete filling FRT. - barren.
			460 - 470 - intrinsically Mesocratic locally minor qtz minor host Mesocratic aggregate along chl matrix + within vein material - minor qtz - carb - all FRTs are qtz - carbon w/ some CARB agg.

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CAR-17 16

Az:

Incl:

Location:

From	To	RockCode	Description
			464.9 - 466.2 - Strongly sil ass with alk bf + a central CAT zone at: 464.9 - 466.16 - Tr PY blew gtr 60° CA
			469 - 469.9 - strongly sil ass w/ a v. poorly dev. CAT zone by zone but not STR sil & Tr PY
			471.8 - 471.87 Ferr gtr - low. on horizon
			476.30 - 476.57 M.D. CAT sil zone w/ Tr PY 60° CA Tr PY blew gtr more scale central sh.
			478.05 - 479.1 as above.
			482 - 490.5 This is a unusual section that seems to be crossing through perpendicular structures. There are a continuation of several better than previous CAT sil zones at - 60° CA + additionally - a shallow angle series of FRT'S + gtr carb - PLGS units that locally form part of one or several ridges. The section is locally magnetic, darker colored than surrounding RST + more chaotic looking due to

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CAR-17 16

Az: Incl:

Location:

From	To	RockCode	Description
			intersecting FRT of the sub parallel MAG family.
			482.0-482.35 poorly developed.
			* CAT SIL @ 20° Ct
			an unusual and shallow angle CAT zone - it suggests a working hypothesis that they zone may exist in a set rather than only N-S.
			- non magnetic
			482.7-484 Intersecting CAT - SIL of shallower angle ch-Mag FRT.
			Some about chaotic section
			- magnetic
			- better than average P% content
		987.92	
		484-488	A continuation of above but only a fraction of the intensity of interaction
			- both features present but
			It seems the MAG CH1 FRT cross cut at least some of the CAT zone structures, but perhaps vertically.
		487.92-488.2	IRR etc - low in vein cross cut
			a OK CAT section - however
			It also cross cut (T. Young) the shallower angle qtz - carb - CHC - MAG FRT.

Carscallen Project Timmins

CAR-17

16

Az:

Incl:

Location:

34

From	To	RockCode	Description
			488.20 - 490 Shallow angle + CA parallel 21cm wide CHI - CARB - MAG FRT some dark calc. vein, last meter dist. in dist. interval. minor related CHI - MAG FRTS. misc. PL dis. incl. locally.
			490.6 - 505 Broad complex of zone composed of a multiplicity of CAT zones with a distinct element of CARB - lighter gray in color + less SIL.
			492.85 - 494.26 CAT SIL CARB 30° upper 40cm weakly SH @ 40° CA lower portion becomes increasing CARB enriched w/ several thin 1cm calc. vein was @ 40-45° CA perme- w/ weak SIL matrix. narrow
			494.26 - 495.75 Area of rest - CARB enriched. - still sil. matrix
			495.75 - 498.1 - SIL SIL w/ calc. Bx carb infilling bet w/ dark chl matrix
			498.1 - 502.7 Complex interstratified CAT - SIL - CARB inter-spaced of weak SH. To dis. PL thrust out but locally more in areas of greater disruption/CAT crossing @ ~ 60° CA.

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CAR-17 66

Az: Incl:

Location:

From	To	RockCode	Description
			502.7 - 504.4 weak but pervasive matrix used by ETR SIL
			504.30-37 - Very unusual grey brown EAT SIL BAND w/ some almost laminated appearance, the dark grey could be w/ fine pt matrix of egg frame agg w/ internal laminat contacts
			Never seen this before
			Isolated in Zone sample
			Review F01644
			504.8 - 504.3 E57
			This is a relatively complex zone from a FRT perspective as it is E57 w/ w/ SIL but minor porphy dark EAT zones are present at ~ 50-60 cm younger FRTs but ELEM etc can be visible at various angles - brown or greyish is a weak but pervasive by w/ HL white cob w/ dark chl. sil. fracture filling voids. This area is unique in that in addition to a set of the FRTs @ 20-25 cm there are also a set of the same size that intersect with them + can parallel to the one axis

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CAR-17 16

Az: Incl:

Location:

From	To	RockCode	Description
			521.3 - 521.88 WK CAT SIL zone @ 60' CA To P7.
			521.90 - 571.25 EST - WK SIL almost w/ FRT - compared to previous section - w/ joint section.
			531.25 - 532 CAT - SIL zone large most 40cm blocks cloudy white gr w/ abundant inclusions best fragments, locally To P7 as w/ included FRTs. Strong S.E. ALTN in this CAT zone Ua is complex, probably multi-aged by + reshaped by later veining U.G ~ 30' CA Large - highly irregular
			532 - 540 MOD SIL decreasing down section WK FRT? decreasing in frequency down section. rare poorly developed CAT zones at high angle to CA.
			540 - 548 EST minor FRTs, one seen with ~0.5m of marginal in FRTs. - locally poor at narrow dx w/ UG marginal + weak EP margins.

MAG
4.0

MAG

Carscallen Project Timmins

CAR-17 16

Az: Incl:

Location:

37

From	To	RockCode	Description
			540 - 552 There is a 4m wide CARC vein parallel EHL - Carb - MAG - CP filled FRT. over several meters. This FRT seems to originate at a similar but wider CHL - MAG FRT filled up @ 551.8 @ 25° CT
			CGR CHL XLE + 5/6 MAG reg. in Tr PY, CP. The shallow angle FRT contains multiple plates of CP. over ~ 1m length, not everywhere
			552 - 560.0 EST
			553.5 - 2cm ptz - chl - tour up @ 45° CT
			560.0 - 574.5 Broad weak zone of wk patchy SIL intimately ass of variable wk FRT + CP. locally more pronounced ch ² ass of MOD but w. localized CAT zone.
			561 - 563 central 1m section is MOD CAT + SIL w. Tr PY. Leaks multi-grad d ¹² + later steps of fluid flows. - No fabric - no g ¹²
			572 - 572.35 DNT SIL CAT - w. narrow and obliterating SIL of light brown colour. Possibly after QP - but none seen here

Another shallow FRT

16

imagined to small CAT zone of broken core
 - possible ground core
 - possible fault.

573.89 - 574.03

Complex section - possible narrow aplite, fct +
 + Int. sil of light pinkish gte
 flaked locally w/ central band
 of white gte that has no contacts
 and transitions into alt aplite + host
 w/ a central train of y. gr. py.
 - minor but interesting

30cm deep hole host a vein of
 sat parallel HL FRT @ 45°
 w/ 15° by 95° ass.

574 - 583.5

GST

583.5 - 584.35

v. wk cat zone w/ alt sil +
 minor FRT.
 also x cut by zone clean gte - tan
 on that's inter x cut by
 reddish gte - cat unlat.

FRT. extend laterally but v. minor.

585 - 618

- v. quiet GST section

one large^{EP} xenolith @ 600. - 0.5m
 also host of aplite dyle on one edge
 @ 650

1b

618-622

Section hosts an unusually large number of ch1 FRT's that intersect with the record, the core looks broken up due to incoherency.
Black ch1 FRT surface no carb, no PY.

622-638.5

non-magnetic - no MAG.
621.8 two 2-3cm irr at ch1 four one barren

EST originates on FRT or alt^d section

638.5-645

A transition in the appearance of the EST slightly darker green colour + with a slightly greater mafic component

~~645-671~~ new data

645-671

Highly variable alt^d + detⁿ across this section

wk - mod SIL
non-mod FRT.
local dk Bx
local wk-mod CRT

all are of variable wk - STR SIC
- locally wk increase in PY content

Color of gl^{ts} is variable from white to mod. bluish - dk blue in CRT zones.

FRT's generally 60-70° CA + commonly - minor split units often also a 60-70° CA

649.3-649.7 MOD: CAT SIL of cross cutting
 2-3 mm pink splite on @ 25° CA
 Tr PY
 - broken core, contacts uncertain

~~650.33~~ 656.33-656.49 MOD CAT-SIL @ 55° CA
 Tr PY + central thin
 blue grey gts on @ 55° CA w/ Tr PY
 - secondary mineral area more
 w/ky FRT than usual

658.54-659.20 Three closely spaced MOD CAT-SIL
 zones w/ Tr PY @ 45-50° CA
~~partly buried~~

660.3-660.8

Qtz - carb - chl on @ 30° CA
 looks w/ky by w/ several clear
 qtz-chl - formation on or with
 abundant ind host Frgs, barren.

661-668

w/ky sil of qtz being slightly bleached
 + several chl-carb thin films
 FRT sub parallel to CA. - barren.

668 - 4 cm

shallow angle w/kt
 qtz - carb - chl - thin ~~films~~
 @ 20° CA Tr PY in ind host
 Frgs.

671-682.59

EST

minor FRTI + local of
U. quiet section.

682.59 ~~682~~ 683.13Int all² of EST

- never seen this before U. Int sil.
w/ minor distortion + minor ep alt =
+ U. strong, curved part of M+G
There may have been a magmatic - U.M.
lith in section?
at U. dark green - but patchy of epidiotic
- thin and highly rutted w/ pitted
specimens
- U. Magmatic

- No evidence of an Intrusive.

685.76-686.40

Mod cft sch w/ Blue gtz
w/ 5th fabric @ 45-50' U
etc

686.40-707.5

EST

There are a variety of minor distinct types
of FRTI + U. normal units, more than another
indicating a diversity of fluid events - but minor.

693.3

min scale HC FRT @ 45' c w/ bleached
margin + cft + PT in centre

→ short sample to evaluate
there are distinct than usual
check "781700"
escape.

16

last page

locally or minor reddish alt- in green units
minor aplite clc @ 60°
rare or wk poorly developed CAT zone @ 702-05

707-710

Gradual Transition to ~~more~~ E ST
decreasing green coloration to buff
+ sharp gradual decrease in mafic content
to a more felsic host. but some unit
= only alteration. few 1-3cm milky stn
chl - tourmaline vms
at 35-60° Ct, locally
4 Tr 67.

The end of this hole should be getting
close to the diorite contact.

707-710

DH_NUMB	FROM	TO	SAMPLE	Au_ppm	AG_PPM	AL_PPM	AS_PPM	BA_PPM	
CAR-17-1	14.00	16.00	375101	0.01	0.3	1.32	2	74	
CAR-17-1	25.00	26.00	375102	0.01	0.2	1.32	2	86	
CAR-17-1	26.00	26.54	375103	0.01	0.2	0.72	3	52	
CAR-17-1	26.54	27.68	375104	0.01	0.2	0.62	15	72	
CAR-17-1	27.68	28.60	375106	0.01	0.2	0.46	26	51	
CAR-17-1	28.60	29.40	375108	0.01	0.2	0.61	31	67	
CAR-17-1	29.40	29.93	375109	0.01	0.2	0.57	39	49	
CAR-17-1	29.93	30.80	375110	0.01	0.2	0.7	34	53	
CAR-17-1	30.80	32.00	375111	0.01	0.2	0.69	34	54	
CAR-17-1	32.00	32.40	375112	0.03	0.2	1.04	8	59	
CAR-17-1	32.40	33.14	375113	0.01	0.2	0.72	8	53	
CAR-17-1	33.14	34.26	375114	0.03	0.2	0.77	18	63	
CAR-17-1	34.26	35.14	375116	0.01	0.2	0.57	8	43	
CAR-17-1	35.14	36.00	375118	0.01	0.2	0.61	15	57	
CAR-17-1	36.00	36.60	375119	0.01	0.2	0.49	22	43	
CAR-17-1	36.60	37.44	375120	0.02	0.2	0.51	41	57	
CAR-17-1	37.44	38.24	375121	0.03	0.2	0.55	36	59	
CAR-17-1	38.24	38.88	375122	0.01	0.2	0.6	7	63	
CAR-17-1	38.88	40.08	375123	0.01	0.2	1.29	2	84	
CAR-17-1	47.37	48.00	375124	0.01	0.2	1.24	2	65	
CAR-17-1	51.61	52.60	375126	0.01	0.2	1.48	2	77	
CAR-17-1	52.60	53.94	375128	0.01	0.2	1.18	6	68	
CAR-17-1	57.85	58.28	375129	0.01	0.2	0.97	6	63	
CAR-17-1	58.58	58.56	375130	0.01	0.2	1.35	2	67	
CAR-17-1	58.56	58.97	375131	0.03	0.3	0.41	51	51	
CAR-17-1	58.97	59.45	375132	0.01	0.2	0.75	9	70	
CAR-17-1	59.45	60.43	375133	0.01	0.2	1.16	2	62	
CAR-17-1	60.43	60.85	375134	0.01	0.2	0.74	2	63	
CAR-17-1	60.85	62.00	375136	0.01	0.2	1.12	3	60	
CAR-17-1	62.00	62.53	375138	0.01	0.2	1.42	2	63	
CAR-17-1	65.95	66.55	375139	0.01	0.2	1.2	8	94	
CAR-17-1	75.00	75.53	375140	0.01	0.2	1.43	2	68	
CAR-17-1	75.53	75.93	375141	4.78	11.4	0.83	141	35	
CAR-17-1	75.93	76.50	375142A	0.03	0.2	1.12	27	66	
CAR-17-1	76.50	77.16	375143	0.01	0.2	1.31	3	61	
CAR-17-1	77.16	77.85	375144	0.01	0.2	1.25	7	52	
CAR-17-1	77.85	79.60	375146	0.01	0.2	1.25	5	55	
CAR-17-1	79.60	80.33	375148	0.33	0.3	1.07	36	66	
CAR-17-1	80.33	81.09	375149	3.25	3.2	1.18	58	78	
CAR-17-1	81.09	82.00	375150	1.47	2	1.07	78	58	
CAR-17-1	82.00	83.00	375151	0.02	0.3	1.2	7	60	
CAR-17-1	83.00	84.00	375152	0.01	0.2	1.25	5	56	
CAR-17-1	86.34	86.83	375153	0.01	0.2	1.3	5	69	
CAR-17-1	89.00	89.72	375154	0.01	0.2	1.31	6	56	
CAR-17-1	91.50	92.10	375156	0.03	0.2	1.34	4	69	
CAR-17-1	93.30	94.26	375157	0.01	0.2	1.35	2	62	

CAR-17-1	94.26	94.84	375158	0.01	0.2	1.1	2	59
CAR-17-1	94.84	95.65	375159	0.01	0.2	0.75	4	61
CAR-17-1	95.65	96.71	375160	0.01	0.2	0.73	3	64
CAR-17-1	96.71	98.00	375161	0.04	0.2	0.53	8	83
CAR-17-1	98.00	99.26	375162	0.01	0.2	1.49	16	63
CAR-17-1	99.26	100.00	375163	0.03	0.2	0.52	7	63
CAR-17-1	100.00	101.00	375164	0.01	0.2	1.45	21	50
CAR-17-1	101.00	102.00	375166	0.02	0.2	0.55	20	70
CAR-17-1	102.00	103.00	375167	0.09	0.2	0.47	32	57
CAR-17-1	103.00	104.00	375168	0.01	0.2	0.47	5	69
CAR-17-1	104.00	105.00	375169	0.01	0.2	0.77	8	66
CAR-17-1	105.00	106.00	375170	0.01	0.2	1.21	4	64
CAR-17-1	106.00	107.00	375171	0.01	0.2	1.1	8	58
CAR-17-1	107.00	108.00	375172	0.01	0.2	0.65	27	57
CAR-17-1	121.13	121.65	375173	0.01	0.2	1.19	8	73
CAR-17-1	123.27	123.76	375174	0.01	0.2	1.45	4	124
CAR-17-1	125.46	126.34	375176	0.01	0.2	1.57	4	87
CAR-17-1	128.40	129.00	375177	0.01	0.2	1.98	2	55
CAR-17-1	129.85	131.18	375178	0.01	0.2	1.77	2	51
CAR-17-1	131.18	132.00	375179	0.01	0.2	1.37	2	57
CAR-17-1	132.00	133.00	375180	0.01	0.2	1.23	2	59
CAR-17-1	133.00	134.00	375181	0.01	0.2	1.26	2	62
CAR-17-1	134.00	135.00	375182	0.01	0.2	1.41	2	67
CAR-17-1	139.00	140.00	375183	0.01	0.2	0.89	8	50
CAR-17-1	140.00	141.00	375184	0.01	0.2	0.81	2	44
CAR-17-1	141.00	142.00	375186	0.01	0.2	0.62	2	44
CAR-17-1	142.00	143.00	375187	0.01	0.2	0.59	2	39
CAR-17-1	151.00	152.00	375188	0.01	0.2	0.81	4	53
CAR-17-2	9.00	9.80	375189	0.01	0.2	1.43	2	97
CAR-17-2	9.80	11.00	375190	0.01	0.2	1.48	2	80
CAR-17-2	11.00	12.00	375191	0.01	0.2	1.41	2	70
CAR-17-2	12.00	13.00	375192	0.01	0.2	1.41	2	85
CAR-17-2	13.00	14.00	375193	0.01	0.2	1.28	2	73
CAR-17-2	14.00	15.00	375194	0.01	0.2	1.3	2	67
CAR-17-2	15.00	15.50	375196	0.01	0.2	1.32	4	68
CAR-17-2	15.50	16.00	375197	0.03	0.2	1.43	9	66
CAR-17-2	16.00	16.40	375198	36.10	7.4	1.51	7	56
CAR-17-2	16.40	17.00	375199	0.05	0.2	1.43	3	70
CAR-17-2	17.00	18.00	375200	0.01	0.2	1.39	2	79
CAR-17-2	18.00	19.00	375201	0.01	0.2	1.34	2	92
CAR-17-2	38.65	40.00	375202	0.01	0.2	1.41	3	100
CAR-17-2	43.00	44.00	375203	0.01	0.2	1.22	3	120
CAR-17-2	44.00	45.00	375204	0.01	0.2	1.3	2	104
CAR-17-2	47.00	48.00	375206	0.01	0.2	1.49	3	90
CAR-17-2	52.00	53.00	375207	0.01	0.2	1.21	2	94
CAR-17-2	53.00	54.00	375208	0.01	0.2	1.15	2	87
CAR-17-2	54.00	55.00	375209	0.01	0.2	1.38	2	88

CAR-17-2	55.00	56.00	375210	0.01	0.2	1.22	2	91
CAR-17-2	56.00	57.00	375211	0.01	0.2	1.25	2	94
CAR-17-2	57.00	58.00	375212	0.01	0.2	1.35	2	91
CAR-17-2	58.00	59.00	375213	0.01	0.2	1.29	2	96
CAR-17-2	59.00	59.55	375214	0.01	0.2	1.17	2	106
CAR-17-2	59.55	60.00	375216	0.01	0.2	1.24	2	114
CAR-17-2	63.55	64.55	375217	0.01	0.2	1.49	2	129
CAR-17-2	65.70	66.45	375218	0.01	0.2	1.9	2	159
CAR-17-2	74.30	75.00	375219	0.01	0.2	1.33	2	113
CAR-17-2	77.00	78.00	375220	0.01	0.2	1.23	2	88
CAR-17-2	78.00	79.00	375221	0.01	0.2	1.3	2	98
CAR-17-2	80.00	80.80	375222	0.01	0.2	1.21	2	106
CAR-17-2	86.00	87.00	375223	0.01	0.2	1.32	2	88
CAR-17-2	87.00	88.00	375224	0.01	0.2	1.24	2	90
CAR-17-2	88.00	89.00	375226	0.01	0.2	1.24	2	92
CAR-17-2	89.00	89.80	375227	0.01	0.2	1.34	2	88
CAR-17-2	96.00	97.00	375228	0.01	0.2	1.29	2	104
CAR-17-2	97.00	98.00	375229	0.01	0.2	1.37	3	91
CAR-17-2	99.24	100.40	375230	0.01	0.2	1.26	2	99
CAR-17-2	107.00	108.00	375231	0.01	0.2	1.16	2	88
CAR-17-2	108.00	109.00	375232	0.01	0.2	1.2	2	85
CAR-17-2	109.95	111.15	375233	0.01	0.2	1.54	2	159
CAR-17-2	112.15	112.65	375234	0.01	0.2	1.42	2	106
CAR-17-3	6.23	6.95	375236	0.03	0	0	0	0
CAR-17-3	6.95	7.80	375237	0.01	0	0	0	0
CAR-17-3	7.80	8.63	375238	0.01	0	0	0	0
CAR-17-3	9.84	10.10	375239	0.01	0	0	0	0
CAR-17-3	15.17	16.00	375240	0.11	0	0	0	0
CAR-17-3	16.00	17.20	375241	0.63	0	0	0	0
CAR-17-3	17.20	18.10	375242	0.01	0	0	0	0
CAR-17-3	18.10	18.70	375243	0.06	0	0	0	0
CAR-17-3	24.40	25.15	375244	0.01	0	0	0	0
CAR-17-3	29.75	30.70	375246	0.01	0	0	0	0
CAR-17-3	30.70	31.45	375247	0.01	0	0	0	0
CAR-17-3	37.00	37.50	375248	0.12	0	0	0	0
CAR-17-3	38.15	38.95	375249	0.01	0	0	0	0
CAR-17-3	42.30	43.20	375250	0.01	0	0	0	0
CAR-17-3	48.12	49.00	375251	0.02	0	0	0	0
CAR-17-3	49.00	49.75	375252	0.01	0	0	0	0
CAR-17-3	49.75	50.55	375253	0.01	0	0	0	0
CAR-17-3	50.55	51.30	375254	0.01	0	0	0	0
CAR-17-3	51.30	52.00	375256	0.04	0	0	0	0
CAR-17-3	52.00	53.00	375257	0.01	0	0	0	0
CAR-17-3	53.00	54.20	375258	0.02	0	0	0	0
CAR-17-3	54.20	54.80	375259	0.01	0	0	0	0
CAR-17-3	54.80	56.00	375260	0.01	0	0	0	0
CAR-17-3	56.00	57.00	375261	0.01	0	0	0	0

CAR-17-3	57.00	58.00	375262	0.01	0	0	0	0
CAR-17-3	58.00	59.05	375263	0.01	0	0	0	0
CAR-17-3	59.05	59.80	375264	0.01	0	0	0	0
CAR-17-3	59.80	60.25	375266	0.01	0	0	0	0
CAR-17-3	67.60	68.55	375267	0.01	0	0	0	0
CAR-17-3	69.46	70.00	375268	0.01	0	0	0	0
CAR-17-3	71.22	71.64	375269	0.01	0	0	0	0
CAR-17-3	73.55	74.20	375270	0.01	0	0	0	0
CAR-17-3	76.00	77.00	375271	0.01	0	0	0	0
CAR-17-3	77.00	78.00	375272	0.01	0	0	0	0
CAR-17-3	78.00	79.00	375273	0.01	0	0	0	0
CAR-17-3	79.00	80.00	375274	0.01	0	0	0	0
CAR-17-3	80.00	80.75	375276	0.01	0	0	0	0
CAR-17-3	80.75	81.60	375277	0.01	0	0	0	0
CAR-17-3	81.60	82.40	375278	0.01	0	0	0	0
CAR-17-3	86.70	87.55	375279	0.01	0	0	0	0
CAR-17-4	3.20	4.40	375280	0.02	0.2	1.37	3	70
CAR-17-4	4.40	5.30	375281	0.01	0.2	1.67	2	62
CAR-17-4	12.65	12.95	375282	0.01	0.2	1.58	3	194
CAR-17-4	17.00	17.90	375283	0.01	0.2	1.12	2	92
CAR-17-4	17.90	18.50	375284	0.01	0.2	1.3	6	101
CAR-17-4	20.16	20.50	375286	0.01	0.2	1.6	2	142
CAR-17-4	26.10	27.10	375287	0.01	0.2	1.48	2	105
CAR-17-4	29.15	29.90	375288	0.01	0.2	1.48	2	82
CAR-17-4	30.65	31.40	375289	0.01	0.2	1.69	3	79
CAR-17-4	35.15	36.00	375290	0.01	0.2	1.6	3	94
CAR-17-4	38.00	38.65	375291	0.01	0.2	1.2	6	107
CAR-17-4	38.65	39.61	375292	0.01	0.2	1.34	2	106
CAR-17-4	39.61	40.60	375293	0.01	0.2	1.39	2	99
CAR-17-4	40.60	41.30	375294	0.01	0.2	1.26	2	92
CAR-17-4	41.30	41.73	375296	0.01	0.2	1.16	2	99
CAR-17-4	45.00	46.00	375297	0.01	0.2	1.43	2	89
CAR-17-4	46.00	47.00	375298	0.01	0.2	1.48	2	101
CAR-17-4	47.00	48.00	375299	0.01	0.2	1.31	2	105
CAR-17-4	48.00	49.00	375300	0.01	0.2	1.57	2	69
CAR-17-4	49.00	50.00	375301	0.01	0.2	1.77	7	73
CAR-17-4	50.00	50.90	375302	0.01	0.2	1.8	2	118
CAR-17-4	50.90	51.20	375303	0.07	0.2	1.54	2	112
CAR-17-4	52.25	53.35	375304	0.01	0.2	1.6	2	97
CAR-17-4	53.35	53.70	375306	0.01	0.2	1.42	2	123
CAR-17-4	61.00	62.00	375307	0.01	0.2	1.74	8	123
CAR-17-4	63.75	64.10	375308	0.01	0.2	1.65	2	129
CAR-17-4	66.20	67.20	375309	0.04	0.2	1.58	2	127
CAR-17-4	67.20	68.00	375310	0.21	0.2	1.56	2	94
CAR-17-4	68.00	69.00	375311	0.01	0.2	1.42	2	100
CAR-17-4	69.00	70.00	375312	0.02	0.2	1.36	2	88
CAR-17-4	70.00	71.00	375313	0.05	0.2	1.27	2	105

CAR-17-4	71.00	72.00	375314	0.08	0.2	1.3	2	97
CAR-17-4	72.00	73.00	375316	0.01	0.2	1.52	2	85
CAR-17-4	85.00	86.00	375317	0.01	0.2	1.55	3	87
CAR-17-4	86.00	87.00	375318	0.01	0.2	1.44	2	99
CAR-17-4	87.00	88.00	375319	0.01	0.2	1.38	2	125
CAR-17-4	88.00	89.00	375320	0.06	0.2	1.23	2	119
CAR-17-4	92.56	92.85	375321	0.01	0.2	1.74	4	53
CAR-17-4	94.00	95.00	375322	0.01	0.2	1.32	2	77
CAR-17-4	95.00	96.00	375323	0.01	0.2	1.39	2	83
CAR-17-4	96.00	97.00	375324	0.01	0.2	1.18	2	83
CAR-17-4	97.00	98.00	375326	0.01	0.2	1.04	2	83
CAR-17-4	98.00	99.00	375327	0.03	0.2	1.2	2	82
CAR-17-4	99.00	99.40	375328	0.01	0.9	1.15	124	25
CAR-17-4	100.00	101.00	375329	0.01	0.2	1.44	2	65
CAR-17-4	101.00	102.00	375330	0.01	0.2	1.43	2	64
CAR-17-4	102.00	103.00	375331	0.01	0.2	1.47	2	110
CAR-17-4	103.00	104.00	375332	0.01	0.2	1.24	2	73
CAR-17-4	106.00	107.00	375333	0.01	0.2	1.27	2	73
CAR-17-4	107.00	108.00	375334	0.01	0.2	1.36	2	77
CAR-17-4	108.00	109.10	375336	0.02	0.2	1.15	2	79
CAR-17-4	109.10	110.00	375337	0.01	0.2	1.05	3	81
CAR-17-4	110.00	111.00	375338	0.01	0.2	1.31	4	88
CAR-17-4	118.00	119.00	375339	0.01	0.2	1.4	2	93
CAR-17-4	119.00	119.60	375340	0.01	0.2	1.45	2	114
CAR-17-4	121.15	122.40	375341	0.01	0.2	1.4	2	99
CAR-17-4	125.10	125.70	375342	0.01	0.3	1.44	2	114
CAR-17-4	126.95	128.11	375343	0.01	0.2	1.32	2	80
CAR-17-4	134.30	135.30	375344	0.02	0.2	1.27	9	87
CAR-17-4	135.30	136.30	375346	0.01	0.2	1.31	5	109
CAR-17-4	136.30	137.25	375347	0.01	0.2	1.27	5	91
CAR-17-4	137.25	138.15	375348	0.01	0.2	1.45	5	101
CAR-17-4	139.35	139.75	375349	0.01	0.2	1.37	6	79
CAR-17-4	144.00	145.00	375350	0.01	0.2	1.31	8	80
CAR-17-4	145.00	145.80	375351	0.01	0.2	1.56	9	75
CAR-17-4	149.25	149.65	375352	0.16	0.2	1.31	38	104
CAR-17-4	152.00	153.00	375353	1.17	1.1	1.1	44	47
CAR-17-4	153.00	153.65	375354	0.79	0.3	1.09	77	40
CAR-17-4	153.65	155.26	375356	3.25	1.4	1.14	125	53
CAR-17-4	155.26	156.44	375357	0.01	0.2	1.01	28	53
CAR-17-4	156.44	157.00	375358	0.01	0.2	1.37	12	79
CAR-17-4	159.00	159.45	375359	0.01	0.2	1.22	7	59
CAR-17-4	159.45	159.90	375360	2.82	6.3	1.05	41	55
CAR-17-4	159.90	160.70	375361	0.01	0.2	1.42	16	77
CAR-17-4	160.70	161.60	375362	0.01	0.2	1.44	12	83
CAR-17-4	162.95	163.55	375363	0.01	0.2	1.13	14	56
CAR-17-4	163.55	164.10	375364	0.01	0.2	1.35	8	91
CAR-17-4	164.10	165.00	375366	0.01	0.2	1.47	5	142

CAR-17-4	166.26	167.30	375367	0.01	0.2	1.41	4	84
CAR-17-4	168.15	169.03	375368	0.01	0.2	1.3	4	71
CAR-17-4	169.85	170.12	375369	0.01	0.2	1.1	12	108
CAR-17-4	170.80	171.00	375370	0.01	0.2	1.27	4	72
CAR-17-4	175.00	176.00	375371	0.01	0.2	1.17	2	71
CAR-17-4	176.00	177.00	375372	0.01	0.2	0.9	5	109
CAR-17-4	179.00	179.95	375373	0.01	0.2	0.47	19	58
CAR-17-4	179.95	180.83	375374	0.20	0.2	0.56	26	103
CAR-17-4	180.83	181.70	375376	0.20	0.2	1.04	6	66
CAR-17-4	184.23	184.80	375377	0.01	0.2	0.52	10	70
CAR-17-4	184.80	185.73	375378	0.01	0.2	1.23	4	115
CAR-17-4	185.73	186.45	375379	0.03	0.2	0.63	8	68
CAR-17-4	186.45	187.10	375380	0.18	0.2	0.72	6	106
CAR-17-4	187.10	188.00	375381	0.01	0.2	1.3	2	106
CAR-17-4	188.00	189.00	375382	0.01	0.2	0.65	3	61
CAR-17-4	189.00	190.00	375383	0.01	0.2	0.99	2	116
CAR-17-4	190.00	191.00	375384	0.01	0.2	0.49	5	46
CAR-17-4	191.00	191.40	375386	0.03	0.2	0.5	10	49
CAR-17-4	191.40	192.18	375387	0.01	0.2	1.42	4	68
CAR-17-4	196.00	197.00	375388	0.01	0.2	1.11	2	49
CAR-17-4	197.00	198.00	375389	0.01	0.2	1.45	2	130
CAR-17-4	198.00	199.00	375390	0.01	0.2	1.1	3	104
CAR-17-4	199.00	200.25	375391	0.01	0.2	1.21	5	64
CAR-17-4	200.25	201.25	375392	0.01	0.2	1.27	2	65
CAR-17-4	202.65	203.30	375393	0.01	0.2	1.19	2	62
CAR-17-4	205.70	206.55	375394	0.01	0.2	1.27	4	105
CAR-17-4	206.55	207.60	375396	0.01	0.2	1.45	2	122
CAR-17-4	211.65	212.30	375397	0.01	0.2	1.32	4	123
CAR-17-4	212.30	213.30	375398	0.01	0.2	1.15	4	70
CAR-17-4	213.30	214.30	375399	0.01	0.2	1.27	2	118
CAR-17-4	214.30	215.25	375400	0.01	0.2	0.78	3	105
CAR-17-4	215.25	216.30	375401	0.01	0.2	0.96	2	61
CAR-17-4	216.30	217.00	375402	0.01	0.2	0.97	2	65
CAR-17-4	217.00	217.70	375403	0.01	0.2	0.96	2	68
CAR-17-4	217.70	218.70	375404	0.01	0.2	1.07	2	66
CAR-17-4	218.70	220.00	375406	0.01	0.2	0.64	2	61
CAR-17-4	220.00	221.00	375407	0.01	0.2	0.5	2	62
CAR-17-4	221.00	222.00	375408	0.01	0.2	0.51	2	68
CAR-17-4	222.00	222.90	375409	0.01	0.2	0.52	2	68
CAR-17-4	222.90	224.00	375410	0.01	0.2	0.6	2	65
CAR-17-4	224.00	225.00	375411	0.01	0.2	0.74	2	65
CAR-17-4	225.00	226.00	375412	0.01	0.2	0.61	2	73
CAR-17-4	226.00	226.70	375413	0.01	0.2	0.88	4	81
CAR-17-4	228.20	228.60	375414	0.01	0.2	1.4	3	75
CAR-17-4	233.00	234.05	375416	0.01	0.2	1.53	3	86
CAR-17-4	234.05	234.60	375417	0.02	0.2	0.63	5	63
CAR-17-4	234.06	235.40	375418	0.01	0.2	1.57	2	73

CAR-17-4	235.40	236.47	375419	0.03	0.2	0.92	7	64
CAR-17-4	236.47	237.30	375420	0.01	0.2	1.54	2	88
CAR-17-4	237.30	237.90	375421	0.02	0.2	0.61	4	63
CAR-17-4	237.90	238.70	375422	0.01	0.2	1.43	2	79
CAR-17-4	238.70	239.00	375423	0.01	0.2	1.16	8	102
CAR-17-4	239.00	240.00	375424	0.01	0.2	1.38	3	81
CAR-17-4	245.30	246.30	375426	0.01	0.2	0.91	8	63
CAR-17-4	247.25	247.65	375427	0.02	0.2	1.51	7	112
CAR-17-4	248.00	248.75	375428	0.01	0.2	1.12	3	79
CAR-17-4	249.80	250.80	375429	0.02	0.2	1.46	2	80
CAR-17-4	253.00	253.60	375430	0.01	0.2	1.37	3	73
CAR-17-4	254.10	255.00	375431	0.01	0.2	1.24	4	59
CAR-17-4	255.00	255.75	375432	0.01	0.2	1.2	3	59
CAR-17-4	259.00	260.00	375433	0.01	0.2	1.32	2	105
CAR-17-4	263.00	264.00	375434	0.01	0.2	1.43	2	321
CAR-17-4	265.00	266.15	375436	0.05	0.2	1.35	2	50
CAR-17-4	270.00	271.00	375437	0.01	0.2	1.41	2	42
CAR-17-4	271.00	272.00	375438	0.02	0.2	1.3	10	68
CAR-17-4	272.00	272.85	375439	0.01	0.2	1.29	2	61
CAR-17-4	272.85	273.10	375440	0.01	0.2	1.41	4	84
CAR-17-4	278.63	278.92	375441	0.05	0.2	1.53	12	104
CAR-17-4	282.55	282.95	375442	0.14	0.2	1.29	2	62
CAR-17-4	286.53	287.00	375443	0.01	0.2	1.36	4	72
CAR-17-4	288.00	288.45	375444	0.01	0.2	1.28	4	71
CAR-17-4	288.80	289.25	375446	0.01	0.2	1.18	7	62
CAR-17-4	290.85	291.30	375447	0.03	0.2	1.28	11	67
CAR-17-4	299.00	300.00	375448	0.01	0.2	1.87	4	73
CAR-17-4	300.00	301.00	375449	0.01	0.2	1.34	2	69
CAR-17-4	301.00	302.00	375450	0.02	0.2	1.21	6	58
CAR-17-4	302.00	303.00	375451	0.01	0.2	1.57	2	92
CAR-17-4	303.00	304.00	375452	0.01	0.2	1.39	2	57
CAR-17-4	304.00	305.00	375453	0.01	0.2	1.43	2	66
CAR-17-4	305.00	306.00	375454	0.01	0.2	1.29	2	79
CAR-17-4	306.00	307.00	375456	0.01	0.2	1.25	2	64
CAR-17-4	310.45	311.10	375457	0.01	0.2	1.4	2	64
CAR-17-4	312.00	313.00	375458	0.01	0.2	2.1	2	98
CAR-17-4	314.72	315.10	375459	0.02	0.2	2.26	2	67
CAR-17-4	316.50	317.00	375460	0.04	0.2	2.74	26	152
CAR-17-5	6.30	6.80	375461	0.01	0.2	1.45	3	34
CAR-17-5	6.80	8.00	375462	0.09	0.3	1.72	19	41
CAR-17-5	8.00	9.20	375463	0.08	0.2	1.67	5	37
CAR-17-5	9.20	9.70	375464	0.06	0.3	1.12	6	46
CAR-17-5	9.70	10.35	375466	12.10	4.7	0.76	78	43
CAR-17-5	10.35	11.30	375467	0.04	0.2	1.14	10	50
CAR-17-5	11.30	12.00	375468	0.01	0.2	1.21	2	53
CAR-17-5	19.10	19.65	375469	0.01	0.2	1.14	2	80
CAR-17-5	21.60	22.00	375470	0.01	0.2	0.75	2	47

CAR-17-5	24.50	25.55	375471	0.01	0.2	0.6	2	75
CAR-17-5	29.40	30.30	375472	0.01	0.2	0.52	2	63
CAR-17-5	30.30	31.20	375473	0.01	0.2	0.87	2	69
CAR-17-5	33.20	33.70	375474	0.01	0.2	1.08	2	60
CAR-17-5	36.73	37.66	375476	0.01	0.2	1.22	2	66
CAR-17-5	37.66	38.65	375477	0.01	0.2	1.12	4	66
CAR-17-5	38.65	39.65	375478	0.01	0.2	1.09	2	50
CAR-17-5	56.50	57.00	375479	0.01	0.2	1.25	3	60
CAR-17-5	58.80	59.70	375480	0.01	0.2	1.16	2	57
CAR-17-5	69.70	70.70	375481	0.01	0.2	1.17	2	45
CAR-17-5	74.50	75.45	375482	0.01	0.2	0.72	3	40
CAR-17-5	75.45	76.00	375483	0.01	0.2	0.73	3	39
CAR-17-5	76.00	77.00	375484	0.01	0.2	0.5	9	38
CAR-17-5	77.00	78.00	375486	0.01	0.2	0.36	11	39
CAR-17-5	78.00	79.00	375487	0.01	0.2	0.45	10	38
CAR-17-5	79.00	80.00	375488	0.01	0.2	0.39	13	44
CAR-17-5	84.00	85.00	375489	0.01	0.3	0.28	10	33
CAR-17-5	88.00	89.00	375490	0.01	0.2	0.27	16	44
CAR-17-5	90.00	91.00	375491	0.01	0.2	0.26	14	37
CAR-17-5	93.00	94.00	375492	0.01	0.2	0.32	15	36
CAR-17-5	94.00	95.00	375493	0.01	0.2	0.43	24	39
CAR-17-5	97.00	98.00	375494	0.01	0.2	0.4	13	35
CAR-17-5	98.00	99.00	375496	0.01	0.2	0.67	10	36
CAR-17-5	107.00	108.20	375497	0.01	0.2	1.24	2	45
CAR-17-5	111.30	112.00	375498	0.01	0.2	1.25	2	39
CAR-17-5	112.00	112.75	375499	0.01	0.2	1.3	4	34
CAR-17-5	112.75	113.70	375500	0.05	0.2	1.29	2	37
CAR-17-6	41.00	42.00	375501	0.01	0.2	0.97	3	49
CAR-17-6	42.00	43.00	375502	0.03	0.2	0.42	8	49
CAR-17-6	43.00	44.00	375503	0.02	0.2	0.45	6	45
CAR-17-6	44.00	45.00	375504	0.01	0.3	0.61	4	49
CAR-17-6	45.00	47.00	375506	0.01	0.2	1.22	2	84
CAR-17-6	47.00	48.00	375507	0.01	0.2	0.83	3	54
CAR-17-6	48.00	49.00	375508	0.01	0.2	0.57	5	46
CAR-17-6	49.00	50.00	375509	0.01	0.3	0.72	12	38
CAR-17-6	50.00	51.00	375510	0.01	0.2	1.09	10	46
CAR-17-6	51.00	52.00	375511	0.01	0.2	1.18	4	45
CAR-17-6	52.00	53.00	375512	0.01	0.2	1.25	3	48
CAR-17-6	53.00	54.00	375513	0.01	0.2	1.23	2	44
CAR-17-6	54.00	54.90	375514	0.01	0.2	1.25	2	97
CAR-17-6	61.40	62.30	375516	0.01	0.2	0.44	5	31
CAR-17-6	65.10	65.80	375517	0.01	0.2	1.52	5	41
CAR-17-6	71.60	72.10	375518	0.01	0.2	1	2	62
CAR-17-6	86.50	86.90	375519	0.07	0.2	0.85	3	72
CAR-17-6	90.90	92.15	375520	0.01	0.2	1.08	2	39
CAR-17-6	96.45	97.45	375521	0.01	0.2	1.24	2	43
CAR-17-6	100.45	100.75	375522	0.01	0.2	1.09	2	36

CAR-17-6	100.75	101.05	375523	0.01	0.2	0.97	2	37
CAR-17-6	101.05	101.75	375524	0.01	0.2	1.16	2	35
CAR-17-6	101.75	102.75	375526	0.01	0.2	1.18	3	49
CAR-17-6	102.75	103.90	375527	0.01	0.2	0.73	2	38
CAR-17-6	103.90	104.90	375528	0.01	0.2	1.21	2	44
CAR-17-6	108.50	109.05	375529	0.01	0.2	0.98	2	33
CAR-17-6	109.05	109.75	375530	0.01	0.2	1.14	2	51
CAR-17-6	109.75	110.50	375531	0.01	0.2	0.8	2	21
CAR-17-6	110.50	111.30	375532	0.01	0.2	1.34	2	34
CAR-17-6	111.30	112.35	375533	0.01	0.2	1.32	2	25
CAR-17-6	112.35	113.25	375534	0.01	0.3	1.1	2	29
CAR-17-6	113.25	114.80	375536	0.01	0.2	1.12	2	45
CAR-17-6	129.00	130.00	375537	0.01	0.2	1.25	2	38
CAR-17-6	130.00	131.00	375538	0.01	0.2	1.28	2	39
CAR-17-6	131.00	132.00	375539	0.01	0.2	1.27	2	45
CAR-17-6	132.00	133.00	375540	0.01	0.2	1.32	2	42
CAR-17-6	133.00	134.00	375541	0.01	0.2	0.93	2	44
CAR-17-6	134.00	135.00	375542	0.01	0.2	0.79	2	44
CAR-17-6	135.00	136.00	375543	0.03	0.2	0.78	2	40
CAR-17-6	136.00	137.00	375544	0.01	0.2	0.9	2	30
CAR-17-6	142.00	143.00	375546	0.01	0.2	1.15	2	21
CAR-17-6	143.00	144.00	375547	0.01	0.2	1.43	2	20
CAR-17-6	147.65	148.26	375548	0.01	0.2	1.36	6	24
CAR-17-6	149.00	150.00	375549	0.01	0.2	1.35	2	41
CAR-17-6	163.00	164.00	375550	0.01	0.2	1.47	2	25
CAR-17-6	167.00	167.90	375551	0.01	0.2	1.77	5	33
CAR-17-6	167.90	169.15	375552	0.11	0.2	1.33	3	43
CAR-17-6	169.15	170.00	375553	0.02	0.2	2.7	4	44
CAR-17-6	170.00	171.00	375554	0.01	0.2	1	2	46
CAR-17-6	177.00	178.15	375556	0.01	0.2	1.2	2	49
CAR-17-6	182.43	183.24	375557	0.05	0.2	1.22	5	44
CAR-17-6	185.45	185.83	375558	0.01	0.2	1.18	2	51
CAR-17-6	188.00	188.75	375559	0.01	0.2	1.07	2	41
CAR-17-6	195.50	195.80	375560	0.01	0.3	1.01	3	49
CAR-17-6	198.00	199.00	375561	0.01	0.2	1.16	4	51
CAR-17-6	205.00	206.00	375562	0.01	0.2	1.31	2	51
CAR-17-6	207.90	209.00	375563	0.01	0.2	1.35	3	48
CAR-17-6	209.00	210.00	375564	0.04	0.2	1.5	2	56
CAR-17-6	210.00	211.00	375566	0.01	0.2	1.27	2	43
CAR-17-6	211.00	212.00	375567	0.01	0.2	1.38	3	52
CAR-17-6	212.00	213.00	375568	0.01	0.2	1.08	5	37
CAR-17-6	213.00	214.00	375569	0.01	0.2	1.28	5	45
CAR-17-6	214.00	215.00	375570	0.02	0.2	1.23	9	51
CAR-17-6	215.00	216.00	375571	0.01	0.2	1.38	3	56
CAR-17-6	216.00	217.00	375572	0.01	0.2	1.81	7	38
CAR-17-6	217.00	218.00	375573	0.01	0.2	1.14	2	62
CAR-17-6	218.00	219.00	375574	0.01	0.2	1.12	3	38

CAR-17-6	219.00	220.00	375576	0.01	0.2	1.36	2	50
CAR-17-6	220.00	221.00	375577	0.01	0.2	1.22	2	38
CAR-17-6	221.00	222.00	375578	0.01	0.2	1.33	2	47
CAR-17-6	222.00	223.00	375579	0.01	0.2	1.17	2	35
CAR-17-6	223.00	223.45	375580	0.04	0.2	1.05	8	46
CAR-17-6	223.45	224.00	375581	0.01	0.2	1.27	2	39
CAR-17-7	5.60	6.20	375582	0.03	0.2	1.47	2	58
CAR-17-7	8.80	9.00	375583	0.01	0.2	1.28	2	59
CAR-17-7	13.20	14.17	375584	0.01	0.2	1.12	2	46
CAR-17-7	20.60	21.15	375586	0.66	0.6	1.3	11	72
CAR-17-7	21.15	21.81	375587	0.01	0.2	1.38	2	49
CAR-17-7	21.81	22.71	375588	0.81	0.6	1.3	50	82
CAR-17-7	22.71	23.25	375589	0.01	0.2	1.52	2	65
CAR-17-7	23.25	24.00	375590	0.25	0.2	1.45	3	75
CAR-17-7	24.00	24.70	375591	0.02	0.2	1.55	2	66
CAR-17-7	24.70	25.90	375592	0.02	0.2	1.48	2	86
CAR-17-7	25.90	26.80	375593	0.14	0.2	1.27	8	63
CAR-17-7	30.90	31.60	375594	0.91	0.4	1.14	28	74
CAR-17-7	31.60	32.75	375596	0.01	0.2	1.31	2	60
CAR-17-7	34.55	35.35	375597	0.01	0.2	1.58	2	80
CAR-17-7	35.35	36.60	375598	0.01	0.2	1.54	2	58
CAR-17-7	36.60	37.60	375599	0.68	0.2	1.71	16	124
CAR-17-7	37.60	38.90	375600	0.02	0.2	1.81	2	86
CAR-17-7	38.90	39.65	375601	6.84	4.2	1.31	63	90
CAR-17-7	39.65	40.00	375602	0.01	0.2	1.68	2	61
CAR-17-7	44.45	45.00	375603	0.02	0.2	1.19	2	76
CAR-17-7	45.65	46.75	375604	0.02	0.2	1.65	2	83
CAR-17-7	47.70	48.45	375606	0.01	0.2	1.51	2	74
CAR-17-7	50.80	51.30	375607	0.02	0.2	2.29	2	55
CAR-17-7	53.30	53.95	375608	0.01	0.2	1.47	2	75
CAR-17-7	54.85	55.80	375609	0.01	0.2	1.51	2	71
CAR-17-7	66.65	67.00	375610	0.01	0.2	0.99	2	56
CAR-17-7	77.70	78.55	375611	0.01	0.2	1.58	2	61
CAR-17-7	84.00	84.60	375612	0.01	0.2	1.73	3	98
CAR-17-7	85.25	85.85	375613	0.01	0.2	1.64	3	101
CAR-17-7	88.00	89.00	375614	0.01	0.2	1.58	2	75
CAR-17-7	89.00	90.00	375616	0.01	0.2	1.55	2	78
CAR-17-7	90.00	91.00	375617	0.01	0.2	1.53	2	78
CAR-17-7	98.85	99.70	375618	0.01	0.2	1.6	2	92
CAR-17-7	110.00	111.00	375619	0.01	0.2	1.42	2	38
CAR-17-7	111.00	112.00	375620	0.01	0.2	1.52	2	42
CAR-17-7	122.60	123.50	375621	0.01	0.2	1.79	2	110
CAR-17-7	127.06	127.42	375622	0.04	0.2	1.57	2	84
CAR-17-7	129.00	130.10	375623	0.03	0.2	1.62	2	88
CAR-17-7	130.10	131.00	375624	0.01	0.2	1.67	2	71
CAR-17-7	133.00	133.80	375626	0.01	0.2	1.29	2	26
CAR-17-7	137.30	137.60	375627	0.01	0.2	1.9	2	94

CAR-17-7	142.80	143.60	375628	0.01	0.2	1.79	2	89
CAR-17-7	143.60	144.60	375629	0.01	0.2	1.68	2	96
CAR-17-7	152.46	153.18	375630	0.01	0.2	1.6	2	77
CAR-17-7	157.70	158.70	375631	0.01	0.2	1.82	2	87
CAR-17-7	158.70	159.50	375632	0.01	0.2	1.78	2	77
CAR-17-7	162.15	163.30	375633	0.01	0.2	1.64	2	75
CAR-17-7	175.05	176.05	375634	0.01	0.2	1.62	2	79
CAR-17-7	180.45	181.00	375636	0.01	0.2	1.64	2	64
CAR-17-7	181.00	181.75	375637	0.01	0.2	1.61	2	95
CAR-17-7	186.00	187.00	375638	0.01	0.2	1.62	2	78
CAR-17-7	187.00	188.00	375639	0.01	0.2	1.64	2	79
CAR-17-7	188.00	189.00	375640	0.01	0.2	1.52	2	90
CAR-17-7	189.00	190.00	375641	0.01	0.2	1.57	2	69
CAR-17-7	190.00	191.00	375642	0.01	0.2	1.69	2	79
CAR-17-7	191.00	192.00	375643	0.01	0.2	1.57	2	82
CAR-17-7	192.00	193.00	375644	0.01	0.2	1.41	2	79
CAR-17-7	193.00	194.00	375646	0.01	0.2	1.5	2	88
CAR-17-7	194.00	195.00	375647	0.01	0.2	1.56	2	95
CAR-17-7	195.00	196.00	375648	0.01	0.2	1.5	2	88
CAR-17-7	196.00	197.00	375649	0.01	0.2	1.68	2	75
CAR-17-7	212.50	212.60	375650	0.01	0.2	1.52	2	88
CAR-17-7	219.00	220.20	375651	0.01	0.2	1.4	2	107
CAR-17-7	220.20	221.40	375652	0.01	0.2	1.8	2	115
CAR-17-7	221.40	222.00	375653	0.01	0.2	1.56	2	124
CAR-17-7	222.00	223.00	375654	0.01	0.2	1.52	2	132
CAR-17-7	223.00	224.00	375656	0.01	0.2	1.54	2	112
CAR-17-7	226.65	227.00	375657	0.01	0.2	1.58	2	80
CAR-17-7	236.40	237.40	375658	0.01	0.2	1.57	2	85
CAR-17-7	237.40	238.30	375659	0.01	0.2	1.52	2	91
CAR-17-7	240.60	241.90	375660	0.01	0.2	1.48	2	90
CAR-17-7	241.90	243.00	375661	0.01	0.2	1.64	2	74
CAR-17-7	243.00	244.00	375662	0.01	0.2	1.65	2	80
CAR-17-7	244.00	255.00	375663	0.01	0.2	1.58	2	87
CAR-17-7	245.00	246.00	375664	0.01	0.2	1.41	2	93
CAR-17-7	246.00	247.00	375666	0.01	1.1	1.38	2	88
CAR-17-7	247.00	248.00	375667	0.01	0.2	1.44	2	211
CAR-17-7	248.00	249.00	375668	0.01	0.2	1.38	2	101
CAR-17-7	249.00	250.00	375669	0.01	0.2	1.33	2	68
CAR-17-7	250.00	251.00	375670	0.01	0.2	1.46	2	84
CAR-17-7	251.00	252.00	375671	0.01	0.2	1.33	2	70
CAR-17-7	252.00	253.00	375672	0.01	0.2	1.33	2	80
CAR-17-7	253.00	254.00	375673	0.01	0.2	1.31	2	81
CAR-17-7	254.00	255.00	375674	0.01	0.2	1.27	2	97
CAR-17-7	255.00	255.65	375676	0.01	0.2	1.49	2	105
CAR-17-8	8.00	8.80	375677	0.01	0.2	0.99	2	76
CAR-17-8	10.50	11.20	375678	0.01	0.2	1.35	2	135
CAR-17-8	11.20	12.00	375679	0.01	0.2	1.37	2	179

CAR-17-8	12.00	12.70	375680	0.01	0.2	1.29	2	156
CAR-17-8	12.70	13.50	375681	0.02	0.2	1.26	2	100
CAR-17-8	13.50	14.00	375682	0.02	0.2	1.23	2	84
CAR-17-8	14.00	14.85	375683	0.01	0.2	1.6	2	159
CAR-17-8	14.85	15.80	375684	0.01	0.2	1.34	3	129
CAR-17-8	22.00	23.00	375686	0.01	0.2	1.35	2	127
CAR-17-8	23.00	24.00	375687	0.01	0.2	1.15	4	98
CAR-17-8	24.00	25.00	375688	0.01	0.2	1.49	2	107
CAR-17-8	25.00	26.00	375689	0.04	0.2	1.26	2	116
CAR-17-8	26.00	27.00	375690	0.01	0.2	1.22	2	115
CAR-17-8	27.00	27.65	375691	0.03	0.2	1.12	8	126
CAR-17-8	28.65	29.20	375692	0.01	0.2	1.29	2	150
CAR-17-8	32.40	33.60	375693	0.01	0.2	1.19	4	107
CAR-17-8	43.40	44.20	375694	0.05	0.2	1.22	10	90
CAR-17-8	47.85	48.25	375696	0.02	0.2	1.31	2	105
CAR-17-8	48.25	48.65	375697	0.39	0.3	1.01	12	86
CAR-17-8	48.65	49.30	375698	0.01	0.2	1.24	2	89
CAR-17-8	52.00	53.00	375699	0.01	0.2	1.19	2	90
CAR-17-8	53.00	54.00	375700	0.02	0.2	1.13	7	79
CAR-17-8	54.00	55.00	375701	0.02	0.2	1.23	2	97
CAR-17-8	56.50	57.00	375702	0.29	0.2	1.24	7	93
CAR-17-8	57.00	57.45	375703	6.20	1	1.13	63	95
CAR-17-8	57.45	58.00	375704	0.02	0.2	1.35	2	97
CAR-17-8	64.00	65.00	375706	0.02	0.2	1.47	2	84
CAR-17-8	67.20	67.95	375707	0.01	0.2	1.42	3	109
CAR-17-8	69.25	70.20	375708	0.07	0.2	1.35	3	108
CAR-17-8	73.00	73.50	375709	0.02	0.2	1.27	2	105
CAR-17-8	73.50	74.00	375710	0.06	0.2	1.2	13	116
CAR-17-8	74.00	75.00	375711	0.01	0.2	1.31	2	119
CAR-17-8	75.00	75.60	375712	0.03	0.2	1.21	4	80
CAR-17-8	78.90	80.00	375713	0.08	0.2	1.35	5	116
CAR-17-8	81.70	82.45	375714	0.01	0.2	1.28	2	107
CAR-17-8	92.00	93.00	375716	0.01	0.2	1.36	2	107
CAR-17-8	93.00	94.00	375717	0.01	0.2	1.3	2	98
CAR-17-8	94.00	95.00	375718	0.01	0.2	1.98	2	148
CAR-17-8	95.00	96.00	375719	0.01	0.2	2.05	2	133
CAR-17-8	96.00	97.00	375720	0.02	0.2	1.11	2	93
CAR-17-8	97.00	98.00	375721	0.07	0.2	1.09	3	86
CAR-17-8	98.00	99.00	375722	0.03	0.2	0.96	7	72
CAR-17-8	99.00	100.00	375723	0.01	0.2	1.2	3	68
CAR-17-8	100.00	101.00	375724	0.04	0.2	0.9	4	57
CAR-17-8	101.00	102.00	375726	0.01	0.2	1.01	2	57
CAR-17-8	102.00	103.00	375727	0.01	0.2	0.94	2	56
CAR-17-8	103.00	104.00	375728	0.03	0.2	0.99	2	61
CAR-17-8	104.00	105.00	375729	0.01	0.2	1.02	2	65
CAR-17-8	105.00	106.00	375730	0.05	0.2	1.02	2	73
CAR-17-8	106.00	107.00	375731	0.01	0.2	0.98	2	72

CAR-17-8	107.00	108.00	375732	0.01	0.2	0.87	2	65
CAR-17-8	108.00	109.00	375733	0.01	0.2	0.97	2	76
CAR-17-8	109.00	110.00	375734	0.01	0.2	0.87	2	69
CAR-17-8	110.00	111.00	375736	0.01	0.2	0.89	2	70
CAR-17-8	111.00	112.00	375737	0.02	0.2	1.2	2	87
CAR-17-8	112.00	113.00	375738	0.01	0.2	1.07	2	86
CAR-17-8	113.00	114.00	375739	0.02	0.2	0.9	2	75
CAR-17-8	114.00	115.00	375740	0.01	0.2	1.06	2	84
CAR-17-9	13.90	14.50	375741	0.01	0.2	1.41	2	100
CAR-17-9	28.00	29.00	375742	0.01	0.2	1.34	3	135
CAR-17-9	44.60	45.35	375743	0.01	0.2	1.25	8	137
CAR-17-9	53.00	53.60	375744	0.05	0.2	1.36	2	98
CAR-17-9	53.60	54.00	375746	1.86	1.6	1.1	28	106
CAR-17-9	54.00	54.70	375747	0.26	0.2	1.25	4	83
CAR-17-9	61.70	62.25	375748	0.03	0.2	1.39	6	94
CAR-17-9	64.25	64.75	375749	0.01	0.2	1.2	2	99
CAR-17-9	72.40	73.55	375750	0.05	0.2	1.08	9	66
CAR-17-9	76.00	76.80	375751	0.02	0.2	1.22	2	80
CAR-17-9	79.00	79.70	375752	0.02	0.2	1.23	3	80
CAR-17-9	89.00	90.00	375753	0.01	0.2	1.25	2	77
CAR-17-9	90.00	91.00	375754	0.02	0.2	1.2	3	87
CAR-17-9	91.00	92.00	375756	0.05	0.2	1.16	4	111
CAR-17-9	92.00	93.00	375757	0.02	0.2	1.24	3	103
CAR-17-9	94.60	95.15	375758	0.02	0.2	1.22	2	124
CAR-17-9	101.70	102.30	375759	0.01	0.2	1.16	12	75
CAR-17-9	102.30	103.00	375760	0.01	0.2	0.09	2	17
CAR-17-9	103.00	104.00	375761	0.01	0.2	0.11	2	27
CAR-17-9	104.00	104.70	375762	0.01	0.2	0.41	13	82
CAR-17-9	104.70	105.60	375763	0.01	0.2	0.88	6	89
CAR-17-9	105.60	106.65	375764	0.01	0.2	0.86	2	79
CAR-17-9	111.66	112.62	375766	0.01	0.2	1.03	3	70
CAR-17-9	112.62	113.70	375767	0.01	0.2	1.15	2	67
CAR-17-9	113.70	114.30	375768	0.31	0.2	1.32	8	67
CAR-17-9	114.30	115.25	375769	0.01	0.2	1.24	2	56
CAR-17-9	122.15	123.05	375770	0.01	0.2	1.35	2	152
CAR-17-9	135.40	136.10	375771	0.03	0.3	1	12	61
CAR-17-9	143.45	144.15	375772	0.01	0.2	1.41	2	190
CAR-17-10	17.20	18.25	375773	0.01	0.2	1.2	4	86
CAR-17-10	26.90	27.30	375774	0.01	0.2	1.24	2	102
CAR-17-10	37.95	39.00	375776	0.02	0.2	1.35	2	104
CAR-17-10	44.70	45.10	375777	0.01	0.2	1.41	2	103
CAR-17-10	45.10	45.55	375778	0.23	0.7	1.66	12	168
CAR-17-10	45.55	46.00	375779	0.01	0.2	1.48	2	190
CAR-17-10	47.65	48.35	375780	0.01	0.2	1.91	5	437
CAR-17-10	60.60	61.35	375781	0.01	0.2	1.45	5	133
CAR-17-10	63.00	64.00	375782	0.01	0.2	1.37	2	105
CAR-17-11	37.75	38.65	375783	0.01	0.2	1.39	2	111

CAR-17-11	40.35	41.00	375784	0.01	0.2	1.23	10	91
CAR-17-11	41.00	42.00	375786	0.13	0.3	1.15	15	101
CAR-17-11	42.00	42.90	375787	0.01	0.2	1.39	3	93
CAR-17-11	53.55	54.40	375788	0.01	0.2	1.39	2	109
CAR-17-11	54.40	55.00	375789	0.01	0.2	1.26	2	105
CAR-17-11	55.00	55.90	375790	0.01	0.2	1.17	2	95
CAR-17-11	55.90	56.70	375791	0.02	0.2	1.1	3	79
CAR-17-11	56.70	57.45	375792	0.01	0.2	1.27	2	98
CAR-17-11	57.45	58.50	375793	0.01	0.2	1.07	2	99
CAR-17-11	58.50	59.50	375794	0.02	0.2	1.27	3	140
CAR-17-11	68.50	69.60	375796	0.01	0.2	1.27	2	91
CAR-17-11	69.60	70.30	375797	0.10	0.5	1.26	14	85
CAR-17-11	70.30	71.20	375798	0.01	0.2	0.63	13	91
CAR-17-11	71.20	72.00	375799	0.01	0.2	1.33	30	85
CAR-17-11	75.40	76.50	375800	0.01	0.2	1.21	2	87
CAR-17-11	82.15	83.00	375801	0.01	0.2	1.23	2	91
CAR-17-11	83.00	84.00	375802	0.01	0.2	1.26	2	92
CAR-17-11	85.50	86.00	375803	0.01	0.2	1.29	4	110
CAR-17-12	45.00	46.00	781001	0.01	0.2	1.78	6	120
CAR-17-12	46.00	47.00	781002	0.01	0.2	5.12	15	250
CAR-17-13	17.00	18.00	781003	0.01	0.2	1.16	4	80
CAR-17-13	24.00	25.00	781004	0.01	0.2	0.99	3	120
CAR-17-13	28.00	30.00	781006	0.01	0.2	1.04	2	90
CAR-17-13	32.00	35.00	781007	0.01	0.2	1.07	2	70
CAR-17-13	52.50	53.50	781008	0.01	0.2	1.06	3	60
CAR-17-13	66.30	67.30	781009	0.01	0.2	1.09	5	50
CAR-17-13	67.30	68.00	781010	0.01	0.2	1.06	7	50
CAR-17-13	68.00	69.00	781011	0.01	0.2	0.95	8	60
CAR-17-13	69.00	70.00	781012	0.01	0.2	1.13	4	50
CAR-17-13	70.00	71.20	781013	0.01	0.2	1.27	4	40
CAR-17-13	71.20	72.40	781014	0.02	0.2	0.19	3	40
CAR-17-13	72.40	74.00	781016	21.80	24.5	0.45	144	40
CAR-17-13	74.00	75.00	781017	0.07	0.4	1.17	9	50
CAR-17-13	82.70	83.30	781018	0.01	0.2	3.49	4	20
CAR-17-13	84.00	85.00	781019	0.01	0.2	2.12	2	20
CAR-17-13	87.00	88.00	781020	1.33	0.3	1.93	16	10
CAR-17-13	88.00	89.00	781021	0.07	0.2	1.83	13	20
CAR-17-13	89.00	90.00	781022	0.99	1	1.55	61	30
CAR-17-13	92.10	92.60	781023	0.01	0.2	2.82	2	20
CAR-17-13	101.00	102.00	781024	0.04	0.2	1.29	13	60
CAR-17-13	107.00	108.00	781026	0.07	0.2	1.1	19	70
CAR-17-13	108.00	109.50	781027	0.01	0.2	1.16	13	60
CAR-17-13	109.50	110.50	781028	0.04	0.2	1.36	11	60
CAR-17-13	114.50	115.60	781029	0.01	0.2	1.2	14	60
CAR-17-13	117.70	118.20	781030	0.01	0.2	1.18	5	50
CAR-17-13	119.30	120.30	781031	0.01	0.2	1.02	3	40
CAR-17-13	121.00	122.00	781032	0.01	0.2	1.29	2	40

CAR-17-13	122.00	122.90	781033	0.01	0.2	1.36	2	30
CAR-17-13	122.90	124.00	781034	0.01	0.2	1.27	2	40
CAR-17-13	124.00	125.00	781036	0.01	0.2	1.31	8	30
CAR-17-13	125.00	126.00	781037	0.01	0.2	1.42	3	20
CAR-17-13	126.00	127.00	781038	0.01	0.2	1.2	2	30
CAR-17-13	127.00	128.00	781039	0.01	0.2	1.18	2	30
CAR-17-13	128.00	129.00	781040	0.01	0.2	1.12	2	30
CAR-17-13	129.00	130.00	781041	0.01	0.2	1.15	5	40
CAR-17-13	130.00	131.00	781042	0.01	0.2	1.13	2	40
CAR-17-13	140.55	141.65	781043	0.01	0.2	1.03	11	90
CAR-17-13	143.70	144.55	781044	0.01	0.2	1	2	40
CAR-17-13	144.55	145.55	781046	0.01	0.2	1.17	2	50
CAR-17-13	154.00	155.00	781047	0.01	0.2	1.81	2	20
CAR-17-13	155.00	156.00	781048	0.01	0.2	1.59	2	30
CAR-17-13	164.00	165.00	781049	0.01	0.2	1.38	2	30
CAR-17-13	173.00	173.55	781050	0.01	0.2	2.64	2	10
CAR-17-13	173.55	174.40	781051	0.79	0.3	7.16	21	10
CAR-17-13	174.40	175.50	781052	0.01	0.2	2.19	3	10
CAR-17-13	198.25	199.30	781053	0.09	0.2	2.98	2	10
CAR-17-13	210.80	212.00	781054	0.01	0.2	1.55	2	30
CAR-17-13	221.80	222.45	781056	0.01	0.2	3.01	3	10
CAR-17-13	225.00	226.25	781057	0.01	0.2	2.43	2	10
CAR-17-13	226.25	227.25	781058	0.54	1.9	2.52	145	30
CAR-17-13	227.25	228.00	781059	0.01	0.2	2.59	4	10
CAR-17-13	228.00	229.00	781060	0.01	0.2	2.54	3	10
CAR-17-13	229.00	230.00	781061	0.01	0.2	2.72	19	10
CAR-17-13	230.00	230.50	781062	0.01	0.2	2.2	6	10
CAR-17-13	232.00	233.00	781063	0.01	0.2	2	3	10
CAR-17-13	233.00	234.05	781064	0.01	0.2	1.82	5	10
CAR-17-13	234.05	234.90	781066	0.01	0.2	1.7	2	10
CAR-17-13	234.90	236.30	781067	0.10	0.3	1.85	109	20
CAR-17-13	236.30	237.35	781068	0.01	0.2	1.68	2	20
CAR-17-13	237.35	238.25	781069	0.01	0.2	1.74	4	20
CAR-17-13	238.25	239.25	781070	0.01	0.2	1.89	19	20
CAR-17-13	239.25	240.00	781071	0.01	0.2	1.96	5	10
CAR-17-13	242.60	244.00	781072	0.02	0.2	1.74	6	10
CAR-17-13	244.00	245.40	781073	0.02	0.2	1.28	30	20
CAR-17-13	245.40	246.30	781074	0.01	0.2	1.19	7	30
CAR-17-13	246.30	247.30	781076	0.01	0.2	1.23	2	30
CAR-17-13	247.30	247.90	781077	0.02	0.2	1.37	22	30
CAR-17-13	247.90	248.85	781078	0.01	0.2	1.23	3	30
CAR-17-13	248.85	250.00	781079	0.01	0.2	1.03	14	40
CAR-17-13	250.00	251.00	781080	0.01	0.2	1.3	5	30
CAR-17-13	251.00	252.00	781081	0.01	0.2	1.21	6	50
CAR-17-13	252.00	253.00	781082	0.01	0.2	1.11	11	50
CAR-17-13	253.00	254.00	781083	0.01	0.2	1.16	6	40
CAR-17-13	254.00	255.00	781084	0.01	0.2	1.11	5	40

CAR-17-13	255.00	256.00	781086	0.01	0.2	1.21	4	40
CAR-17-13	256.00	257.00	781087	0.01	0.2	1.22	3	40
CAR-17-13	257.00	258.25	781088	0.02	0.2	1.12	5	40
CAR-17-13	258.25	258.85	781089	0.01	0.2	1.2	7	40
CAR-17-13	258.85	260.00	781090	0.01	0.2	1.18	3	40
CAR-17-13	260.00	260.95	781091	0.01	0.2	1.17	4	50
CAR-17-13	260.95	262.00	781092	0.16	0.3	0.87	30	40
CAR-17-13	262.00	263.00	781093	0.01	0.2	1.1	12	50
CAR-17-13	263.00	264.00	781094	0.01	0.2	1.12	4	50
CAR-17-13	264.00	265.00	781096	0.03	0.3	1.04	36	50
CAR-17-13	265.00	266.00	781097	0.01	0.2	1.09	10	40
CAR-17-13	266.00	267.00	781098	0.01	0.2	1.18	8	40
CAR-17-13	267.00	267.70	781099	0.02	0.2	1.15	8	40
CAR-17-13	267.70	268.65	781100	0.03	0.3	1.42	13	40
CAR-17-13	268.65	269.55	781101	0.32	2.2	1.3	42	20
CAR-17-13	269.55	270.45	781102	0.05	0.4	1.24	19	50
CAR-17-13	270.45	271.15	781103	0.13	2.9	1.46	30	30
CAR-17-13	271.15	272.00	781104	0.12	0.9	1.14	17	30
CAR-17-13	272.00	273.15	781106	0.02	0.3	1.2	13	40
CAR-17-13	273.15	273.85	781107	0.02	0.4	1.11	10	40
CAR-17-13	273.85	274.45	781108	2.58	6.4	1.09	27	40
CAR-17-13	274.45	275.60	781109	0.01	0.2	1.17	3	30
CAR-17-13	275.60	276.50	781110	0.01	0.3	1.16	4	40
CAR-17-13	276.50	277.40	781111	0.01	0.4	1.09	5	50
CAR-17-13	277.40	278.30	781112	0.01	0.2	1.13	5	50
CAR-17-13	278.30	279.00	781113	0.01	0.2	1.1	12	50
CAR-17-13	279.00	280.00	781114	0.01	0.2	1.12	6	50
CAR-17-13	280.00	281.00	781116	0.01	0.2	1.15	7	50
CAR-17-13	281.00	282.20	781117	0.01	0.2	1.21	6	60
CAR-17-13	282.20	283.00	781118	0.01	0.3	1.21	6	60
CAR-17-13	283.00	284.00	781119	0.01	0.2	1.23	6	60
CAR-17-13	284.00	285.00	781120	0.01	0.3	1.07	11	90
CAR-17-13	285.00	286.00	781121	0.01	0.5	1.16	9	60
CAR-17-13	286.00	287.00	781122	0.01	0.2	1.23	7	80
CAR-17-13	287.00	288.00	781123	0.02	0.6	1.22	8	60
CAR-17-13	288.00	289.00	781124	0.01	0.2	1.28	11	90
CAR-17-13	289.00	290.00	781126	0.01	0.3	1.08	14	90
CAR-17-13	290.00	290.90	781127	0.06	0.4	1.09	25	60
CAR-17-13	290.90	291.65	781128	0.01	0.2	1.1	9	70
CAR-17-13	291.65	292.18	781129	8.73	7.2	1.22	38	60
CAR-17-13	292.18	293.00	781130	0.02	0.4	1.26	15	60
CAR-17-13	293.00	293.80	781131	0.01	0.2	1.23	13	50
CAR-17-13	293.80	294.45	781132	0.06	2.8	1.2	18	50
CAR-17-13	294.45	295.25	781133	0.01	0.2	1.32	15	60
CAR-17-13	295.20	295.70	781134	0.13	1	1.33	120	50
CAR-17-13	295.70	296.70	781136	0.01	0.2	0.8	11	70
CAR-17-13	296.70	297.65	781137	0.01	0.2	1.02	12	60

CAR-17-13	297.65	298.45	781138	0.05	0.2	1.19	22	60
CAR-17-13	298.45	298.95	781139	0.01	0.2	1.2	8	60
CAR-17-13	298.95	299.60	781140	0.02	0.6	1.25	11	60
CAR-17-13	299.60	300.75	781141	0.01	0.2	1.17	10	60
CAR-17-13	300.75	301.65	781142	0.01	0.2	1.16	3	70
CAR-17-13	301.65	302.50	781143	0.01	0.2	1.05	6	50
CAR-17-13	302.50	303.05	781144	0.01	0.2	2.6	8	30
CAR-17-13	303.50	304.00	781146	0.01	0.2	1.08	2	50
CAR-17-13	309.75	311.00	781147	0.01	0.2	0.84	3	60
CAR-17-13	315.90	317.00	781148	0.01	0.2	0.92	2	50
CAR-17-13	317.00	318.00	781149	0.01	0.2	0.77	3	80
CAR-17-13	318.00	319.00	781150	0.01	0.2	0.76	3	50
CAR-17-13	319.00	319.85	781151	0.01	0.2	0.69	5	50
CAR-17-13	319.85	320.45	781152	0.01	0.2	0.68	5	40
CAR-17-13	320.45	321.00	781153	0.01	0.3	0.57	23	40
CAR-17-13	321.00	322.00	781154	0.02	0.3	0.82	6	50
CAR-17-13	322.00	322.80	781156	0.01	0.2	0.75	6	40
CAR-17-13	322.80	323.40	781157	0.01	0.2	0.54	11	50
CAR-17-13	323.40	324.30	781158	0.01	0.3	0.39	16	70
CAR-17-13	324.30	325.00	781159	0.02	0.2	0.9	40	60
CAR-17-13	325.00	325.65	781160	0.06	0.5	0.26	119	40
CAR-17-13	325.65	326.25	781161	0.03	0.3	0.45	60	40
CAR-17-13	326.25	327.10	781162	0.01	0.2	0.62	5	40
CAR-17-13	327.10	328.00	781163	0.01	0.2	0.74	5	40
CAR-17-13	328.00	329.00	781164	0.01	0.2	0.79	3	40
CAR-17-13	329.00	330.00	781166	0.01	0.2	0.65	4	40
CAR-17-13	330.00	331.00	781167	0.01	0.2	0.67	4	40
CAR-17-13	331.00	332.10	781168	0.01	0.2	0.83	3	50
CAR-17-13	332.10	332.80	781169	0.01	0.2	0.76	4	50
CAR-17-13	332.80	334.00	781170	0.01	0.2	0.77	5	40
CAR-17-13	334.00	334.85	781171	0.01	0.2	0.85	4	40
CAR-17-13	334.85	335.74	781172	0.01	0.2	0.71	6	40
CAR-17-13	335.74	336.55	781173	0.01	0.2	0.69	6	40
CAR-17-13	336.55	337.60	781174	0.02	0.2	0.69	14	40
CAR-17-13	337.60	338.57	781176	0.01	0.2	0.58	7	30
CAR-17-13	338.57	339.41	781177	0.01	0.2	0.39	30	40
CAR-17-13	339.41	340.20	781178	0.01	0.2	0.4	145	30
CAR-17-13	340.20	341.23	781179	0.07	0.2	0.33	29	40
CAR-17-13	341.23	341.80	781180	0.01	0.2	1.01	15	30
CAR-17-13	341.80	342.60	781181	0.01	0.2	1.07	5	40
CAR-17-13	345.55	345.85	781182	0.01	0.2	0.88	4	60
CAR-17-13	356.48	357.10	781183	0.01	0.2	0.95	5	70
CAR-17-13	363.35	364.50	781184	0.01	0.2	1	5	70
CAR-17-13	365.00	366.00	781186	0.01	0.2	1	6	60
CAR-17-13	366.00	367.00	781187	0.01	0.2	0.97	5	50
CAR-17-13	367.00	368.00	781188	0.01	0.2	0.92	9	40
CAR-17-13	368.00	369.00	781189	0.01	0.2	1.05	4	40

CAR-17-13	369.00	369.50	781190	0.01	0.2	0.96	5	40
CAR-17-13	369.50	370.60	781191	0.08	0.2	0.82	13	50
CAR-17-13	370.60	371.26	781192	0.01	0.2	0.93	4	40
CAR-17-13	371.26	371.86	781193	0.01	0.2	1.02	5	30
CAR-17-13	371.86	372.36	781194	0.01	0.2	0.96	4	40
CAR-17-13	372.36	373.58	781196	0.01	0.2	0.89	5	50
CAR-17-13	373.58	374.40	781197	0.01	0.2	1.07	4	40
CAR-17-13	374.40	375.00	781198	0.01	0.2	1.03	5	30
CAR-17-13	375.00	375.40	781199	0.01	0.2	1.29	5	40
CAR-17-13	375.40	376.20	781200	0.01	0.2	1.23	4	40
CAR-17-13	376.20	377.10	781201	0.01	0.2	0.74	9	50
CAR-17-13	377.10	377.90	781202	0.04	0.2	1.01	5	40
CAR-17-13	377.90	378.30	781203	0.01	0.2	0.98	3	50
CAR-17-13	381.80	382.15	781204	0.03	0.2	1.24	6	100
CAR-17-13	382.75	383.75	781206	0.01	0.2	1	3	70
CAR-17-13	383.75	384.55	781207	0.01	0.2	1	2	80
CAR-17-13	384.55	385.55	781208	0.01	0.2	0.78	4	90
CAR-17-13	385.55	386.00	781209	0.01	0.2	1.13	2	270
CAR-17-13	393.33	393.95	781210	0.01	0.2	1.22	2	60
CAR-17-13	395.80	396.53	781211	0.01	0.2	1.03	3	50
CAR-17-13	396.53	397.00	781212	0.01	0.2	0.96	4	60
CAR-17-13	397.00	398.00	781213	0.01	0.2	1.13	3	50
CAR-17-13	399.50	399.85	781214	0.01	0.2	0.9	2	50
CAR-17-13	403.00	404.10	781216	0.01	0.2	1.2	3	50
CAR-17-13	407.05	408.00	781217	0.01	0.2	1.15	3	50
CAR-17-13	408.00	409.00	781218	0.01	0.2	1.26	3	60
CAR-17-13	409.00	409.50	781219	0.01	0.2	1.08	5	50
CAR-17-13	409.50	410.00	781220	0.01	0.2	1.51	3	60
CAR-17-13	410.00	411.00	781221	0.01	0.2	1.35	3	40
CAR-17-13	411.00	412.00	781222	0.01	0.2	1.21	4	60
CAR-17-13	412.00	413.00	781223	0.01	0.2	1.22	3	70
CAR-17-13	413.00	414.10	781224	0.01	0.2	1.17	3	50
CAR-17-13	420.00	421.10	781226	0.01	0.2	1.19	2	50
CAR-17-13	422.80	423.20	781227	0.01	0.2	1.17	3	50
CAR-17-13	423.20	425.32	781228	0.01	0.2	1.19	3	40
CAR-17-13	425.32	425.75	781229	0.01	0.2	1.31	3	40
CAR-17-13	425.75	426.50	781230	0.01	0.2	1	12	60
CAR-17-13	426.50	427.00	781231	0.01	0.2	1.15	3	50
CAR-17-13	427.00	428.00	781232	0.01	0.2	1.14	2	40
CAR-17-13	431.00	432.00	781233	0.01	0.2	1.16	3	40
CAR-17-13	432.00	433.00	781234	0.01	0.2	1.33	3	40
CAR-17-13	433.00	434.00	781236	0.01	0.2	1.07	11	50
CAR-17-13	434.00	435.00	781237	0.01	0.2	1.16	5	40
CAR-17-13	435.00	436.00	781238	0.01	0.2	1.12	7	40
CAR-17-13	436.00	436.60	781239	0.01	0.2	1.09	7	40
CAR-17-13	436.60	437.50	781240	0.01	0.2	0.84	16	40
CAR-17-13	437.50	438.00	781241	0.01	0.2	1.09	6	40

CAR-17-13	438.00	438.50	781242	0.01	0.2	1.12	2	40
CAR-17-13	438.50	439.70	781243	0.01	0.2	1.18	3	40
CAR-17-13	439.70	440.35	781244	0.01	0.2	1.22	3	50
CAR-17-13	440.35	441.60	781246	0.01	0.2	1.19	4	60
CAR-17-13	441.60	442.65	781247	0.01	0.2	1.28	3	50
CAR-17-13	450.50	451.50	781248	0.01	0.2	1.2	3	30
CAR-17-13	451.50	452.10	781249	0.01	0.2	1.34	2	30
CAR-17-13	452.10	453.10	781250	0.01	0.2	1	17	60
CAR-17-13	453.10	454.00	781251	0.01	0.2	1.18	3	40
CAR-17-13	457.00	458.00	781252	0.01	0.2	1.15	2	50
CAR-17-13	459.55	460.35	781253	0.01	0.2	1.22	2	40
CAR-17-13	463.05	463.90	781254	0.04	0.3	1.79	2	30
CAR-17-13	466.00	467.00	781256	0.01	0.2	1.53	2	20
CAR-17-13	470.70	471.85	781257	0.16	0.3	3.89	4	20
CAR-17-13	478.00	479.00	781258	0.01	0.2	1.75	2	20
CAR-17-13	484.00	485.00	781259	0.05	0.2	1.69	2	20
CAR-17-13	488.20	489.25	781260	0.01	0.2	1.58	2	100
CAR-17-13	496.25	496.65	781261	0.01	0.2	1.11	3	50
CAR-17-13	508.65	509.70	781262	0.01	0.2	1.6	2	40
CAR-17-13	512.40	512.85	781263	0.01	0.2	1.12	2	40
CAR-17-13	516.60	517.05	781264	0.01	0.2	1.03	2	80
CAR-17-13	521.60	521.85	781266	0.01	0.2	0.63	2	40
CAR-17-13	526.20	527.25	781267	0.01	0.2	1.18	2	40
CAR-17-13	537.75	538.10	781268	0.01	0.2	1.1	2	20
CAR-17-13	539.95	540.15	781269	0.01	0.2	0.81	3	20
CAR-17-13	543.00	544.00	781270	0.01	0.2	1.51	2	30
CAR-17-13	545.70	546.70	781271	0.01	0.2	1.6	2	20
CAR-17-13	556.00	557.00	781272	0.01	0.2	1.76	2	50
CAR-17-14	29.40	30.60	781273	0.01	0.2	1.23	4	100
CAR-17-14	37.00	38.00	781274	0.01	0.2	1.11	6	60
CAR-17-14	60.00	60.70	781276	0.01	0.2	1.2	5	60
CAR-17-14	70.50	71.70	781277	0.01	0.3	1.22	7	90
CAR-17-14	73.40	74.50	781278	0.01	0.2	1.27	6	100
CAR-17-14	79.65	80.35	781279	0.01	0.2	1.12	3	70
CAR-17-14	86.30	84.55	781280	0.01	0.2	0.85	3	50
CAR-17-14	85.75	86.65	781281	0.01	0.2	1.13	4	80
CAR-17-14	88.20	89.50	781282	0.01	0.2	1.19	6	80
CAR-17-14	93.00	94.00	781283	0.01	0.2	1.18	12	80
CAR-17-14	94.00	94.90	781284	0.01	0.2	1.11	13	40
CAR-17-14	94.90	96.00	781286	0.01	0.2	0.9	23	50
CAR-17-14	96.00	97.00	781287	0.01	0.2	0.98	14	50
CAR-17-14	97.00	97.80	781288	0.01	0.2	1.17	9	40
CAR-17-14	100.00	101.00	781289	0.01	0.2	1.12	4	70
CAR-17-14	115.30	116.00	781290	0.01	0.2	1.22	5	30
CAR-17-14	116.55	117.15	781291	0.01	0.2	1.16	2	30
CAR-17-14	117.15	118.10	781292	0.01	0.2	1.09	2	30
CAR-17-14	118.80	119.50	781293	0.01	0.2	1.08	2	40

CAR-17-14	123.25	124.35	781294	0.01	0.2	1.06	2	30
CAR-17-14	128.30	129.60	781296	0.01	0.2	1.13	3	60
CAR-17-14	131.15	132.00	781297	0.17	0.3	1.09	8	50
CAR-17-14	139.55	140.40	781298	0.01	0.2	1.05	2	40
CAR-17-14	143.20	143.80	781299	0.01	0.2	1.06	2	40
CAR-17-14	147.35	148.35	781300	0.01	0.2	1.13	2	40
CAR-17-14	153.55	154.05	781301	0.02	0.2	0.83	3	50
CAR-17-14	177.25	178.15	781302	0.01	0.2	1.09	2	70
CAR-17-14	178.80	179.90	781303	0.01	0.2	1.1	2	50
CAR-17-14	181.35	182.45	781304	0.01	0.2	1.15	2	40
CAR-17-14	194.75	196.00	781306	0.01	0.2	1.14	2	40
CAR-17-14	196.70	198.00	781307	0.01	0.2	1.31	2	30
CAR-17-15	26.50	27.00	781308	0.01	0.2	1.32	3	40
CAR-17-15	27.70	29.00	781309	0.01	0.5	1.46	9	170
CAR-17-15	29.00	30.00	781310	0.01	0.4	0.88	4	60
CAR-17-15	30.00	30.90	781311	0.01	0.4	1.35	6	190
CAR-17-15	30.90	32.00	781312	0.01	0.2	1.06	2	60
CAR-17-15	41.25	41.65	781313	0.01	0.5	1.08	3	30
CAR-17-15	41.65	42.70	781314	0.01	0.2	1.24	5	50
CAR-17-15	46.40	46.90	781316	0.03	0.2	1.05	5	40
CAR-17-15	66.90	67.90	781317	0.01	0.2	1.67	10	50
CAR-17-15	68.30	69.20	781318	0.01	0.2	1.16	3	30
CAR-17-15	73.30	74.00	781319	0.02	8	0.77	35	50
CAR-17-15	74.00	74.60	781320	0.01	0.2	0.69	48	50
CAR-17-15	74.60	75.05	781321	0.01	0.2	0.91	26	40
CAR-17-15	75.05	75.70	781322	0.01	0.2	1.19	11	30
CAR-17-15	75.70	76.80	781323	0.01	0.2	1.06	8	40
CAR-17-15	76.80	78.00	781324	0.01	0.2	1.17	4	40
CAR-17-15	79.35	80.00	781326	0.01	0.2	1.05	10	50
CAR-17-15	91.00	92.00	781327	0.01	0.2	1.06	5	40
CAR-17-15	92.50	93.00	781328	0.01	0.2	1.07	7	40
CAR-17-15	95.70	96.40	781329	0.01	0.2	1	3	30
CAR-17-15	113.20	114.00	781330	0.01	0.2	1.51	7	30
CAR-17-15	114.00	115.00	781331	0.10	0.2	1.31	56	50
CAR-17-15	115.00	115.60	781332	0.01	0.2	1.64	13	40
CAR-17-15	115.60	116.30	781333	0.01	0.2	1.51	4	30
CAR-17-15	116.30	117.20	781334	0.01	0.2	1.61	4	40
CAR-17-15	117.20	118.10	781336	0.01	0.2	1.57	3	30
CAR-17-15	118.10	118.60	781337	0.23	0.2	1.55	40	50
CAR-17-15	118.60	119.40	781338	0.01	0.2	1.65	8	40
CAR-17-15	122.75	123.15	781339	0.03	0.2	1.03	6	40
CAR-17-15	125.00	125.33	781340	0.01	0.2	0.75	2	20
CAR-17-15	126.65	127.38	781341	0.01	0.2	1.05	5	30
CAR-17-15	146.70	147.80	781342	0.01	0.2	2.13	2	20
CAR-17-15	154.55	155.55	781343	0.01	0.2	1.5	2	40
CAR-17-15	157.45	157.87	781344	0.01	0.2	1.24	2	30
CAR-17-15	162.25	163.40	781346	0.01	0.2	2.23	2	10

CAR-17-16	36.00	37.00	781347	0.01	0.2	1.03	4	70
CAR-17-16	41.80	43.00	781348	0.01	0.2	1.06	6	70
CAR-17-16	46.50	47.00	781349	0.02	0.2	1.03	8	70
CAR-17-16	48.50	49.50	781350	0.01	0.2	1.18	5	60
CAR-17-16	51.00	52.00	781351	0.01	0.2	1.46	6	40
CAR-17-16	59.00	60.10	781352	0.01	0.2	1.13	6	40
CAR-17-16	60.10	60.90	781353	0.01	0.2	1.46	21	40
CAR-17-16	60.90	61.36	781354	0.02	0.2	0.71	13	40
CAR-17-16	61.36	62.22	781356	0.02	0.2	0.89	7	40
CAR-17-16	62.22	62.95	781357	0.01	0.2	1.04	6	40
CAR-17-16	65.45	66.10	781358	0.01	0.2	1.17	4	30
CAR-17-16	73.00	74.00	781359	0.01	0.2	1.22	11	40
CAR-17-16	74.00	75.00	781360	0.01	0.2	1.29	9	30
CAR-17-16	75.00	76.00	781361	0.01	0.2	1.19	7	40
CAR-17-16	76.00	76.85	781362	0.01	0.2	1.18	15	40
CAR-17-16	76.85	77.60	781363	0.01	0.2	0.96	28	40
CAR-17-16	77.60	77.90	781364	17.50	16.5	0.37	762	20
CAR-17-16	77.90	79.10	781366	0.36	0.6	0.84	70	40
CAR-17-16	79.10	79.90	781367	0.11	0.2	1.04	28	40
CAR-17-16	79.90	80.30	781368	0.01	0.2	1.11	11	40
CAR-17-16	81.50	82.30	781369	0.01	0.2	1.11	7	30
CAR-17-16	87.70	88.00	781370	0.01	0.2	1.16	5	30
CAR-17-16	89.45	90.35	781371	0.01	0.2	1.39	2	30
CAR-17-16	112.35	113.40	781372	0.01	0.2	1.14	4	30
CAR-17-16	118.40	118.70	781373	0.01	0.2	0.97	4	30
CAR-17-16	130.00	131.00	781374	0.01	0.2	1.51	2	20
CAR-17-16	133.80	134.75	781376	0.01	0.2	1.8	2	20
CAR-17-16	138.00	139.00	781377	0.01	0.2	1.68	2	20
CAR-17-16	154.00	154.90	781378	0.01	0.2	1.87	2	20
CAR-17-16	154.90	155.60	781379	0.01	0.2	1.73	2	20
CAR-17-16	155.60	156.45	781380	0.01	0.2	1.99	2	10
CAR-17-16	156.45	157.30	781381	0.01	0.2	2.24	2	10
CAR-17-16	157.30	158.20	781382	0.01	0.2	2.75	2	10
CAR-17-16	158.20	159.00	781383	0.04	0.2	2.18	4	30
CAR-17-16	159.00	159.70	781384	0.01	0.2	1.84	3	20
CAR-17-16	159.70	160.00	781386	0.01	0.2	0.66	10	20
CAR-17-16	160.00	161.00	781387	0.01	0.2	1.75	2	30
CAR-17-16	161.00	162.00	781388	0.01	0.2	1.78	2	30
CAR-17-16	162.00	163.00	781389	0.01	0.2	1.95	2	20
CAR-17-16	176.00	177.00	781390	0.01	0.2	1.92	2	10
CAR-17-16	191.00	191.45	781391	0.01	0.2	1.56	2	30
CAR-17-16	191.45	191.85	781392	6.63	2	1.38	112	50
CAR-17-16	191.85	192.38	781393	0.01	0.2	1.78	2	30
CAR-17-16	211.00	212.00	781394	0.01	0.2	3.22	2	10
CAR-17-16	214.55	215.00	781396	0.01	0.2	5.47	3	10
CAR-17-16	221.00	221.70	781397	0.01	0.2	2.39	2	10
CAR-17-16	224.00	225.00	781398	0.01	0.2	4.09	2	10

CAR-17-16	237.80	238.10	781399	0.08	0.3	2.5	5	120
CAR-17-16	239.00	239.80	781400	0.02	0.2	6.51	4	10
CAR-17-16	241.55	242.50	781401	0.01	0.2	2.69	8	10
CAR-17-16	243.36	244.16	781402	0.60	0.8	3.54	91	30
CAR-17-16	247.42	248.00	781403	0.01	0.2	2.44	2	10
CAR-17-16	253.00	254.00	781404	0.01	0.2	2.1	2	10
CAR-17-16	261.00	262.00	781406	0.01	0.2	1.52	2	30
CAR-17-16	262.00	263.00	781407	0.01	0.2	1.68	2	20
CAR-17-16	263.00	264.00	781408	0.01	0.2	1.7	2	30
CAR-17-16	264.00	265.00	781409	0.01	0.2	1.78	2	30
CAR-17-16	265.00	266.00	781410	0.01	0.2	1.98	2	30
CAR-17-16	266.00	267.00	781411	0.03	0.4	1.84	3	30
CAR-17-16	267.00	268.00	781412	0.08	0.5	1.7	8	30
CAR-17-16	268.00	269.33	781413	0.02	0.2	1.26	2	30
CAR-17-16	269.33	270.70	781414	0.01	0.2	1.68	2	20
CAR-17-16	270.70	271.40	781416	0.01	0.2	1.59	2	20
CAR-17-16	271.40	272.60	781417	0.01	0.2	1.71	2	20
CAR-17-16	272.60	273.60	781418	0.02	0.2	1.69	2	20
CAR-17-16	273.60	274.10	781419	0.02	0.2	1.53	2	30
CAR-17-16	274.10	275.10	781420	0.03	0.2	1.39	2	40
CAR-17-16	275.10	276.18	781421	0.01	0.2	1.19	2	40
CAR-17-16	276.18	277.25	781422	0.01	0.2	1.18	2	40
CAR-17-16	277.25	277.70	781423	0.01	0.2	1.09	3	40
CAR-17-16	277.70	278.00	781424	4.18	3.3	0.93	32	50
CAR-17-16	278.00	279.00	781426	0.01	0.2	1.23	4	40
CAR-17-16	279.00	280.00	781427	0.01	0.2	1.12	4	40
CAR-17-16	280.00	281.00	781428	0.01	0.2	0.93	8	40
CAR-17-16	281.00	282.00	781429	0.10	0.6	1.28	10	40
CAR-17-16	282.00	283.00	781430	0.01	0.4	1.14	8	40
CAR-17-16	283.00	283.45	781431	0.69	0.9	0.9	31	50
CAR-17-16	283.45	284.00	781432	0.01	0.4	1.06	6	40
CAR-17-16	284.00	285.00	781433	0.01	0.2	1.16	7	50
CAR-17-16	285.00	286.00	781434	0.01	0.2	1.22	5	40
CAR-17-16	286.00	287.00	781436	0.01	0.2	1.27	4	50
CAR-17-16	287.00	288.00	781437	0.04	0.6	1.13	6	60
CAR-17-16	288.00	289.00	781438	0.01	0.2	1.22	3	50
CAR-17-16	292.00	292.40	781439	0.01	0.2	1.15	4	40
CAR-17-16	292.40	292.75	781440	1.16	0.9	0.77	84	60
CAR-17-16	292.75	293.35	781441	0.01	0.2	1.14	6	40
CAR-17-16	296.60	297.15	781442	0.01	0.2	1.17	4	60
CAR-17-16	300.00	300.80	781443	0.01	0.2	1.26	5	40
CAR-17-16	300.80	301.20	781444	0.06	0.8	0.93	53	50
CAR-17-16	301.20	301.65	781446	0.01	0.2	1.21	5	70
CAR-17-16	301.65	302.40	781447	0.01	0.2	1.16	9	40
CAR-17-16	302.40	303.30	781448	0.01	0.2	1.17	7	40
CAR-17-16	303.30	304.47	781449	0.13	0.9	0.83	70	40
CAR-17-16	304.47	305.00	781450	0.01	0.2	1.08	9	40

CAR-17-16	305.00	306.00	781451	0.01	0.2	1.16	6	40
CAR-17-16	306.00	307.00	781452	0.01	0.2	1.19	6	40
CAR-17-16	307.00	308.18	781453	0.01	0.2	1.21	6	40
CAR-17-16	308.18	308.72	781454	0.02	0.6	0.99	20	50
CAR-17-16	308.72	310.04	781456	0.01	0.2	1.19	6	40
CAR-17-16	310.04	311.23	781457	0.01	0.2	1.14	10	40
CAR-17-16	311.23	311.73	781458	0.01	0.2	0.8	10	40
CAR-17-16	311.73	312.40	781459	0.01	0.2	1	4	40
CAR-17-16	312.40	313.30	781460	0.01	0.2	0.24	9	40
CAR-17-16	313.30	314.50	781461	0.01	0.2	0.46	8	40
CAR-17-16	314.50	315.00	781462	0.01	0.2	0.88	4	50
CAR-17-16	315.00	316.00	781463	0.01	0.2	0.97	3	50
CAR-17-16	316.00	317.00	781464	0.01	0.2	1.02	3	40
CAR-17-16	317.00	318.00	781466	0.01	0.2	1.11	5	40
CAR-17-16	318.00	319.00	781467	0.01	0.2	1.04	3	50
CAR-17-16	322.75	324.15	781468	0.01	0.2	0.97	4	40
CAR-17-16	324.15	325.10	781469	0.01	0.2	1.03	3	40
CAR-17-16	325.10	325.80	781470	0.01	0.2	0.55	5	40
CAR-17-16	325.80	326.60	781471	0.01	0.2	1.07	3	40
CAR-17-16	328.17	328.53	781472	0.01	0.2	0.72	3	30
CAR-17-16	331.55	332.00	781473	0.01	0.2	0.74	3	30
CAR-17-16	332.00	332.70	781474	0.01	0.2	0.71	3	50
CAR-17-16	332.70	333.40	781476	0.01	0.3	0.77	13	50
CAR-17-16	333.40	334.35	781477	0.01	0.2	1.04	8	40
CAR-17-16	334.35	335.13	781478	0.22	10.7	1.08	35	50
CAR-17-16	335.13	336.00	781479	0.01	0.2	1.12	5	40
CAR-17-16	336.00	336.80	781480	0.01	0.2	1.08	6	30
CAR-17-16	336.80	337.60	781481	0.01	0.2	1.09	5	40
CAR-17-16	337.60	338.00	781482	0.02	0.2	1.03	9	50
CAR-17-16	338.00	338.90	781483	0.01	0.2	1.04	7	50
CAR-17-16	338.90	339.50	781484	0.01	0.2	1.06	7	50
CAR-17-16	339.50	340.80	781486	0.01	0.2	1.02	6	50
CAR-17-16	340.80	341.50	781487	0.01	0.2	1.02	9	50
CAR-17-16	341.50	342.45	781488	0.01	0.2	1.03	6	50
CAR-17-16	342.45	343.35	781489	0.01	0.2	1.05	11	50
CAR-17-16	343.35	344.53	781490	0.01	0.2	1.07	11	40
CAR-17-16	344.53	345.65	781491	0.01	0.2	1.11	11	50
CAR-17-16	345.65	346.75	781492	0.01	0.2	1.02	7	50
CAR-17-16	346.75	347.50	781493	0.01	0.2	1.12	7	40
CAR-17-16	347.50	348.80	781494	0.01	0.2	1.24	10	50
CAR-17-16	348.80	349.70	781496	0.01	0.2	1.21	6	50
CAR-17-16	349.70	351.25	781497	0.01	0.2	1.2	2	30
CAR-17-16	351.25	352.50	781498	0.01	0.2	1.4	2	50
CAR-17-16	352.50	353.35	781499	0.01	0.2	1.46	2	30
CAR-17-16	353.35	354.70	781500	0.01	0.2	1.42	2	50
CAR-17-16	354.70	356.00	781501	0.02	0.2	1.87	2	40
CAR-17-16	356.00	357.00	781502	0.01	0.2	1.58	2	30

CAR-17-16	357.00	358.00	781503	0.01	0.2	1.6	2	30
CAR-17-16	358.00	359.00	781504	0.01	0.2	1.58	2	30
CAR-17-16	359.00	360.00	781506	0.01	0.2	1.57	2	40
CAR-17-16	360.00	361.00	781507	0.01	0.2	1.46	2	40
CAR-17-16	361.00	362.00	781508	0.01	0.2	1.39	2	40
CAR-17-16	362.00	363.00	781509	0.01	0.2	1.68	2	40
CAR-17-16	363.00	364.00	781510	0.01	0.2	1.7	2	30
CAR-17-16	364.00	365.00	781511	0.01	0.2	1.68	2	30
CAR-17-16	365.00	366.00	781512	0.01	0.2	1.75	4	30
CAR-17-16	366.00	367.00	781513	0.01	0.2	1.72	5	20
CAR-17-16	367.00	367.41	781514	0.01	0.2	1.92	18	30
CAR-17-16	367.41	368.00	781516	0.47	0.7	1.23	149	40
CAR-17-16	368.00	368.85	781517	0.69	1.2	0.6	269	40
CAR-17-16	368.85	369.74	781518	0.19	0.5	1.35	99	40
CAR-17-16	369.74	370.10	781519	0.01	0.2	1.55	5	10
CAR-17-16	370.10	370.65	781520	0.01	0.2	1.8	9	10
CAR-17-16	370.65	371.70	781521	0.01	0.2	1.73	4	10
CAR-17-16	371.70	372.55	781522	0.01	0.2	1.69	6	10
CAR-17-16	372.55	373.30	781523	0.04	0.3	1.53	46	30
CAR-17-16	373.30	374.00	781524	0.05	0.2	1.57	47	20
CAR-17-16	374.00	374.30	781526	0.01	0.2	1.89	11	20
CAR-17-16	374.30	375.45	781527	0.01	0.2	1.85	2	30
CAR-17-16	375.45	376.00	781528	0.01	0.2	2.32	12	40
CAR-17-16	376.00	377.00	781529	0.01	0.2	1.98	3	30
CAR-17-16	377.00	378.15	781530	0.01	0.2	2.34	5	10
CAR-17-16	378.15	379.07	781531	0.18	0.5	4.18	82	10
CAR-17-16	379.07	380.00	781532	0.01	0.2	2.8	5	10
CAR-17-16	389.00	390.18	781533	0.01	0.2	1.74	6	20
CAR-17-16	390.18	391.00	781534	0.01	0.2	1.78	3	30
CAR-17-16	391.00	392.10	781536	0.01	0.2	1.85	3	30
CAR-17-16	392.10	392.60	781537	0.01	0.2	2.01	9	40
CAR-17-16	392.60	393.70	781538	0.03	0.2	1.99	45	50
CAR-17-16	393.70	394.30	781539	0.01	0.2	2.15	20	40
CAR-17-16	394.30	395.00	781540	0.01	0.2	1.58	24	40
CAR-17-16	395.00	395.50	781541	0.01	0.2	1.41	2	30
CAR-17-16	395.50	396.15	781542	0.01	0.2	1.2	11	40
CAR-17-16	396.15	396.83	781543	0.02	0.2	1.08	22	60
CAR-17-16	396.83	397.45	781544	0.10	0.3	0.93	64	50
CAR-17-16	397.45	398.30	781546	0.01	0.2	1.14	14	50
CAR-17-16	398.30	398.87	781547	0.01	0.2	1.14	14	50
CAR-17-16	398.87	400.00	781548	0.01	0.2	1.19	12	40
CAR-17-16	400.00	401.00	781549	0.03	0.2	1.16	13	30
CAR-17-16	401.00	402.00	781550	0.01	0.2	1.22	16	40
CAR-17-16	402.00	402.75	781551	0.01	0.2	1.17	14	40
CAR-17-16	402.75	403.33	781552	0.02	0.2	0.94	63	40
CAR-17-16	403.33	404.10	781553	0.20	0.5	1.41	90	30
CAR-17-16	404.10	405.00	781554	0.01	0.2	1.12	12	40

CAR-17-16	405.00	405.55	781556	0.01	0.2	1.2	12	40
CAR-17-16	405.55	405.85	781557	0.01	0.2	0.87	8	30
CAR-17-16	409.00	410.00	781558	0.01	0.3	1.17	9	50
CAR-17-16	410.00	411.35	781559	0.01	0.2	1.17	7	40
CAR-17-16	411.35	411.80	781560	0.01	0.2	1.13	17	60
CAR-17-16	411.80	412.60	781561	0.01	0.2	1.19	7	50
CAR-17-16	412.60	413.00	781562	0.01	0.3	1.21	24	60
CAR-17-16	413.00	413.70	781563	0.01	0.2	1.36	5	50
CAR-17-16	413.70	414.70	781564	0.01	0.2	1.11	7	50
CAR-17-16	414.70	415.40	781566	0.01	0.2	1.22	4	40
CAR-17-16	415.40	416.17	781567	0.01	0.2	1.13	8	50
CAR-17-16	416.17	417.00	781568	0.01	0.2	1.17	6	50
CAR-17-16	417.00	417.90	781569	0.01	0.2	1.15	4	40
CAR-17-16	417.90	419.20	781570	0.01	0.2	1.28	5	50
CAR-17-16	419.20	419.60	781571	0.01	0.2	1.08	14	50
CAR-17-16	419.60	420.35	781572	0.01	0.2	1.29	5	40
CAR-17-16	420.35	421.00	781573	0.01	0.2	1.26	6	40
CAR-17-16	421.00	422.00	781574	0.02	0.2	1.28	10	40
CAR-17-16	422.00	422.25	781576	0.01	0.2	1.14	9	30
CAR-17-16	422.25	423.00	781577	0.10	0.3	0.87	73	30
CAR-17-16	423.00	424.00	781578	0.08	0.5	1.18	56	40
CAR-17-16	424.00	425.00	781579	0.18	1	1.12	433	30
CAR-17-16	425.00	426.00	781580	0.01	0.7	1.19	177	30
CAR-17-16	426.00	427.00	781581	0.02	0.4	1.08	128	30
CAR-17-16	427.00	428.00	781582	0.01	0.2	0.89	141	30
CAR-17-16	428.00	428.75	781583	0.01	0.2	1.02	97	30
CAR-17-16	428.75	429.55	781584	0.10	0.5	0.59	2360	30
CAR-17-16	429.55	430.60	781586	0.12	0.5	0.43	1685	30
CAR-17-16	430.60	431.00	781587	0.01	0.2	1.34	27	30
CAR-17-16	431.00	431.45	781588	0.01	0.2	1.28	12	50
CAR-17-16	431.45	432.46	781589	0.01	0.2	0.9	8	70
CAR-17-16	432.46	432.80	781590	0.01	0.2	1.83	9	560
CAR-17-16	432.80	433.95	781591	0.01	0.2	2.38	8	820
CAR-17-16	433.95	434.35	781592	0.12	0.2	1.51	9	370
CAR-17-16	434.35	435.30	781593	0.01	0.2	0.47	4	70
CAR-17-16	437.50	438.80	781594	0.01	0.2	1.1	7	70
CAR-17-16	443.48	443.83	781596	0.01	0.2	0.85	8	60
CAR-17-16	446.50	446.97	781597	0.01	0.2	1.42	4	40
CAR-17-16	451.90	452.30	781598	0.01	0.2	1.08	5	60
CAR-17-16	454.70	455.10	781599	0.01	0.2	1.07	7	70
CAR-17-16	456.72	457.02	781600	0.01	0.2	1.14	11	70
CAR-17-16	460.20	460.60	781601	0.01	0.2	1.08	6	60
CAR-17-16	464.90	465.10	781602	0.01	0.2	0.94	8	80
CAR-17-16	465.10	466.00	781603	0.01	0.2	1.1	11	60
CAR-17-16	469.00	469.90	781604	0.01	0.2	1.07	9	60
CAR-17-16	471.70	472.15	781606	0.01	0.2	1.03	5	40
CAR-17-16	473.70	474.00	781607	0.01	0.2	1.13	8	70

CAR-17-16	474.55	475.30	781608	0.01	0.2	1.17	11	50
CAR-17-16	476.00	476.80	781609	0.01	0.2	1.08	15	60
CAR-17-16	478.20	478.80	781610	0.01	0.2	1.07	15	50
CAR-17-16	478.80	479.15	781611	0.01	0.2	0.85	15	70
CAR-17-16	481.10	482.00	781612	0.01	0.2	1.19	10	40
CAR-17-16	482.00	482.40	781613	0.01	0.2	1.32	7	50
CAR-17-16	482.40	483.00	781614	0.01	0.2	0.91	18	50
CAR-17-16	483.00	484.00	781616	0.03	0.2	0.99	25	60
CAR-17-16	484.00	484.60	781617	0.01	0.2	1	11	50
CAR-17-16	484.60	484.95	781618	0.03	0.2	1.25	18	50
CAR-17-16	484.95	486.05	781619	0.01	0.2	1.13	9	50
CAR-17-16	486.05	487.20	781620	0.01	0.2	1.13	11	40
CAR-17-16	487.20	487.80	781621	0.01	0.2	1.11	11	50
CAR-17-16	487.80	488.17	781622	0.01	0.2	0.72	5	30
CAR-17-16	488.17	489.60	781623	0.01	0.3	1.6	12	40
CAR-17-16	489.60	490.40	781624	0.01	0.2	1.17	9	40
CAR-17-16	490.40	491.60	781626	0.01	0.2	1.26	12	40
CAR-17-16	491.60	492.10	781627	0.01	0.2	1.13	16	40
CAR-17-16	492.10	492.85	781628	0.01	0.2	1.21	14	40
CAR-17-16	492.85	493.85	781629	0.04	0.3	0.87	34	50
CAR-17-16	493.85	494.35	781630	0.01	0.2	1.07	17	40
CAR-17-16	494.35	495.00	781631	0.01	0.2	1.24	12	30
CAR-17-16	495.00	495.90	781632	0.01	0.2	1.16	11	40
CAR-17-16	495.90	497.00	781633	0.01	0.2	1.13	8	50
CAR-17-16	497.00	498.10	781634	0.01	0.2	1.19	11	40
CAR-17-16	498.10	499.00	781636	0.01	0.2	1.12	21	50
CAR-17-16	499.00	500.00	781637	0.01	0.2	1.07	16	40
CAR-17-16	500.00	500.80	781638	0.01	0.2	1.1	13	40
CAR-17-16	500.80	501.33	781639	0.01	0.2	1.07	14	40
CAR-17-16	501.33	502.60	781640	0.02	0.4	0.93	24	40
CAR-17-16	502.60	503.00	781641	0.01	0.2	1.09	17	30
CAR-17-16	503.00	503.60	781642	0.01	0.2	1.2	14	40
CAR-17-16	503.60	504.20	781643	0.01	0.2	1.28	13	40
CAR-17-16	504.20	504.40	781644	0.01	0.2	0.96	13	50
CAR-17-16	504.40	505.50	781646	0.01	0.3	1.11	9	40
CAR-17-16	509.45	510.70	781647	0.01	0.2	1.08	6	60
CAR-17-16	510.70	512.00	781648	0.01	0.2	1.1	7	50
CAR-17-16	515.00	515.90	781649	0.01	0.2	1.11	6	40
CAR-17-16	515.90	516.50	781650	0.01	0.2	1.1	8	50
CAR-17-16	517.85	518.25	781651	0.01	0.2	0.95	5	50
CAR-17-16	519.80	520.15	781652	0.01	0.2	1.02	8	50
CAR-17-16	521.22	523.00	781653	0.01	0.2	1.01	6	40
CAR-17-16	530.73	531.18	781654	0.02	0.2	1.07	9	40
CAR-17-16	531.18	532.02	781656	0.02	0.2	0.72	18	50
CAR-17-16	532.02	532.75	781657	0.01	0.2	1.11	10	40
CAR-17-16	537.25	537.65	781658	0.03	0.5	0.9	12	50
CAR-17-16	549.30	551.00	781659	0.01	0.2	1.14	3	50

CAR-17-16	551.00	552.00	781660	0.01	0.2	1.03	3	50
CAR-17-16	560.80	561.50	781661	0.03	0.2	1.02	2	40
CAR-17-16	561.50	562.17	781662	0.04	1.2	0.95	11	40
CAR-17-16	562.17	563.00	781663	0.04	0.6	1.12	3	40
CAR-17-16	572.00	572.40	781664	0.01	0.2	0.31	4	40
CAR-17-16	573.70	574.10	781666	0.01	0.4	0.64	2	40
CAR-17-16	574.10	574.50	781667	0.06	1	0.89	10	40
CAR-17-16	576.20	576.58	781668	0.03	1.2	1.09	5	40
CAR-17-16	580.13	581.13	781669	0.01	0.2	1.07	2	40
CAR-17-16	581.13	581.45	781670	0.09	3.6	1.1	36	50
CAR-17-16	583.50	584.40	781671	0.02	0.6	0.91	2	50
CAR-17-16	584.40	585.00	781672	0.01	0.2	1.01	2	50
CAR-17-16	585.00	586.00	781673	0.01	0.2	1.04	2	70
CAR-17-16	615.30	616.40	781674	0.01	0.2	1.16	2	50
CAR-17-16	618.00	619.00	781676	0.01	0.2	1.46	2	30
CAR-17-16	619.00	620.00	781677	0.01	0.2	1.65	2	30
CAR-17-16	620.00	621.40	781678	0.01	0.2	1.56	2	30
CAR-17-16	621.40	621.90	781679	0.08	0.2	1.87	9	30
CAR-17-16	641.45	642.50	781680	0.01	0.2	1.24	4	40
CAR-17-16	646.30	646.80	781681	0.01	0.2	1.2	11	50
CAR-17-16	649.15	649.90	781682	0.03	0.2	0.71	17	50
CAR-17-16	650.75	651.15	781683	0.06	0.2	0.95	31	50
CAR-17-16	656.25	656.65	781684	0.07	0.2	0.8	34	50
CAR-17-16	658.45	659.30	781686	0.01	0.2	0.87	15	50
CAR-17-16	659.30	660.30	781687	0.03	0.2	0.97	8	40
CAR-17-16	660.30	660.90	781688	0.01	0.2	1.06	2	30
CAR-17-16	660.90	661.55	781689	0.01	0.2	1.08	5	40
CAR-17-16	667.80	668.40	781690	0.01	0.2	1	2	40
CAR-17-16	675.90	676.35	781691	0.01	0.2	1.07	7	60
CAR-17-16	679.00	679.25	781692	0.06	0.2	0.89	8	40
CAR-17-16	682.40	683.20	781693	0.01	0.2	1.73	13	40
CAR-17-16	684.50	684.90	781694	0.01	0.2	0.96	15	40
CAR-17-16	684.90	685.55	781696	0.01	0.2	1	11	40
CAR-17-16	685.55	686.45	781697	0.02	0.2	0.82	22	50
CAR-17-16	686.45	687.00	781698	0.01	0.2	1.07	18	40
CAR-17-16	692.20	696.60	781699	0.01	0.2	1.59	27	110
CAR-17-16	693.25	693.50	781700	0.01	0.2	1.1	16	90
CAR-17-16	695.45	696.60	781701	0.01	0.2	1.02	19	60
CAR-17-16	702.65	703.90	781702	0.01	0.2	1.14	18	70
CAR-17-16	708.00	709.10	781703	0.01	0.2	0.97	166	40

BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM
2	1.76	0.5	10	19	16	2.15	0.23	30
2	2.41	0.5	10	20	10	2.68	0.26	34
2	2.66	0.5	9	14	9	2.59	0.19	29
2	2.92	0.5	9	7	17	2.43	0.27	26
2	3.1	0.5	9	4	16	2.46	0.22	31
2	3.15	0.5	10	6	14	2.68	0.32	25
2	3.15	0.5	11	5	29	2.84	0.25	26
2	2.94	0.5	9	5	14	2.69	0.28	24
2	3.88	0.5	13	5	38	2.43	0.2	21
2	3.52	0.5	6	6	5	1.88	0.28	31
2	2.17	0.5	8	8	13	2.29	0.19	30
2	2.66	0.5	10	10	8	2.64	0.25	31
2	2.59	0.5	9	9	11	2.44	0.17	31
2	2.62	0.5	8	7	7	2.44	0.24	31
2	2.53	0.5	10	6	11	2.44	0.18	24
2	3.21	0.5	10	3	145	3.01	0.24	21
2	4.08	0.5	16	2	52	3.92	0.23	21
2	2.57	0.5	8	9	27	2.34	0.22	25
2	2.2	0.5	9	16	18	2.4	0.16	32
2	3.68	0.5	8	13	5	2.42	0.21	34
2	2.2	0.5	10	16	25	2.49	0.18	35
2	2.37	0.5	12	13	17	2.46	0.23	30
2	2.41	0.5	10	11	16	2.46	0.19	33
2	2.29	0.5	10	13	8	2.56	0.22	33
2	2.65	0.5	18	4	8	3.1	0.21	14
2	2.5	0.5	10	10	8	2.52	0.26	38
2	2.46	0.5	9	15	9	2.55	0.19	33
2	2.69	0.5	9	9	8	2.43	0.25	30
2	2.68	0.5	10	12	12	2.59	0.2	31
2	2.77	0.5	11	16	9	2.86	0.19	39
2	3.07	0.5	9	10	11	2.43	0.27	31
2	2.61	0.5	10	18	15	2.6	0.24	38
11	1.98	0.5	13	9	435	4.21	0.31	13
2	2.92	0.5	9	11	40	2.08	0.3	22
2	2.83	0.5	10	17	10	2.55	0.21	39
2	2.29	0.5	10	18	11	2.44	0.17	28
2	2.02	0.5	9	16	12	2.39	0.18	28
2	2.12	0.5	9	14	44	2.16	0.27	23
2	1.97	3.6	9	12	227	2.2	0.35	23
2	2.51	2.1	12	10	103	2.46	0.28	21
2	3.02	0.5	9	15	76	2.27	0.24	31
2	2.24	0.5	10	17	45	2.44	0.19	32
2	2.4	0.5	10	16	11	2.44	0.2	32
2	2.08	0.5	10	17	27	2.34	0.17	32
2	1.89	0.5	8	18	130	2.41	0.25	37
2	2.51	0.5	11	17	29	2.8	0.2	33

2	2.59	0.5	10	15	8	2.5	0.21	34
2	3.67	0.5	8	11	24	1.82	0.24	33
2	3.51	0.5	12	42	17	2.51	0.22	28
2	2.43	0.5	13	15	26	2.37	0.23	27
2	5.79	0.5	21	139	12	4.32	0.17	50
2	2.21	0.5	12	13	22	2.03	0.19	22
2	4.14	0.5	19	149	17	3.83	0.17	36
2	2.68	0.5	10	9	13	2.38	0.27	26
2	2.7	0.5	10	7	35	2.44	0.25	27
2	2.81	0.5	8	6	35	2.23	0.31	31
2	2.68	0.5	10	9	59	2.25	0.3	30
2	2.4	0.5	10	18	21	2.59	0.21	36
2	2.51	0.5	10	15	7	2.4	0.21	34
2	3.15	0.5	9	9	14	2.22	0.25	29
2	2.79	0.5	10	14	10	2.39	0.24	33
2	1.68	0.5	10	17	7	2.37	0.29	34
2	1.66	0.5	12	17	46	2.4	0.18	34
2	0.31	0.5	10	19	4	2.78	0.18	42
2	1.07	0.5	10	18	20	2.69	0.19	36
2	2.11	0.5	10	16	15	2.54	0.2	32
2	2.86	0.5	8	13	24	2.29	0.23	33
2	2.65	0.5	9	15	13	2.22	0.24	34
2	2.23	0.5	9	16	8	2.46	0.19	38
2	2.65	0.5	6	5	2	1.49	0.24	16
2	2.97	0.5	5	4	3	1.34	0.22	16
2	2.64	0.5	4	4	9	1.1	0.22	16
2	2.9	0.5	3	4	4	0.99	0.21	16
2	2.91	0.5	6	3	3	1.28	0.25	17
2	2.46	0.5	10	20	13	2.44	0.2	38
2	2.79	0.5	11	16	24	2.57	0.21	35
2	2.29	0.5	11	16	13	2.58	0.19	34
2	2.56	0.5	11	13	18	2.51	0.27	33
2	3.05	0.5	10	11	18	2.34	0.28	30
2	3.74	0.5	9	12	12	2.38	0.27	33
2	3.07	0.5	11	7	9	2.43	0.28	31
2	2.93	0.5	10	6	10	2.59	0.28	29
2	1.43	0.5	9	10	6	2.82	0.26	24
2	2.13	0.5	10	8	7	2.65	0.25	33
2	2.12	0.5	10	13	8	2.53	0.24	33
2	2.31	0.5	10	17	9	2.46	0.27	33
2	2.31	0.5	10	19	15	2.33	0.23	33
2	2.41	0.5	9	18	12	2.18	0.29	32
2	2.72	0.5	9	16	10	2.28	0.28	33
2	1.92	0.5	12	19	17	2.41	0.18	32
2	2.84	0.5	10	14	12	2.07	0.29	29
2	2.69	0.5	10	14	10	2.13	0.25	30
2	2.84	0.5	12	13	28	2.74	0.25	33

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
2	2.03	0.5	8	14	5	2.15	0.24	25
2	0.58	0.5	12	19	4	2.66	0.16	22
2	1.85	0.5	11	16	7	2.13	0.63	25
2	2.69	0.5	9	12	7	1.81	0.31	26
3	3.02	0.5	9	16	11	1.95	0.42	28
2	3.42	0.5	15	15	30	2.8	0.37	26
2	2.05	0.5	11	17	7	2.31	0.38	22
2	2.41	0.5	10	17	3	2.22	0.33	24
2	1.97	0.5	13	17	12	2.69	0.38	25
2	2.81	0.5	12	17	4	2.44	0.46	24
2	3.04	0.5	11	14	24	1.98	0.37	26
2	2.29	0.5	11	14	4	2.11	0.36	27
2	2.61	0.5	11	16	10	2.45	0.36	29
2	2.18	0.5	10	13	5	2.08	0.28	23
2	1.75	0.5	8	15	7	1.78	0.35	24
2	2.44	0.5	11	20	7	2.25	0.27	24
2	2.33	0.5	10	15	9	2.36	0.32	24
2	2.36	0.5	10	15	7	2.2	0.32	26
2	1.84	0.5	11	18	4	2.41	0.21	26
2	1.44	0.5	12	17	4	2.52	0.26	25
2	2.09	0.5	12	19	9	2.66	0.41	25
2	1.8	0.5	13	18	11	2.57	0.39	27
2	2.07	0.5	11	17	7	2.49	0.34	25
2	3.05	0.5	10	14	6	2.19	0.42	22
2	1.83	0.5	11	18	8	2.48	0.5	23
2	1.73	0.5	11	19	6	2.6	0.49	28
2	1.57	0.5	12	19	12	2.46	0.42	26
2	1.9	0.5	11	17	5	2.28	0.28	23
2	2.21	0.5	10	14	7	2.19	0.3	24
2	2.09	0.5	11	21	11	2.27	0.29	25
2	2.58	0.5	9	13	5	1.96	0.36	25

2	2.21	0.5	11	15	7	2.13	0.3	25
2	1.81	0.5	11	16	7	2.42	0.24	27
2	2.15	0.5	11	15	10	2.42	0.25	21
2	2.55	0.5	12	15	25	2.5	0.34	24
2	2.51	0.5	10	19	5	2.02	0.42	27
2	2.64	0.5	10	15	7	1.88	0.4	25
2	3.17	0.5	16	26	44	3.71	0.14	29
2	2.47	0.5	11	16	7	2.46	0.23	28
2	2.78	0.5	11	18	18	2.47	0.25	26
2	2.66	0.5	11	14	8	2.35	0.28	26
2	3.08	0.5	11	11	17	2.35	0.34	25
2	3.51	0.5	10	17	17	2.07	0.33	24
2	2.51	0.5	22	11	167	5.34	0.33	10
2	1.96	0.5	11	15	25	2.69	0.22	29
2	2.49	0.5	11	14	43	2.42	0.26	27
2	2.65	0.5	11	13	13	2.35	0.37	27
2	2.67	0.5	10	14	22	2.42	0.22	27
2	2.41	0.5	9	13	30	2.4	0.19	27
2	2.41	0.5	11	16	99	2.58	0.21	24
2	2.62	0.5	10	13	11	2.34	0.27	25
2	3.48	0.5	10	11	12	2.23	0.29	22
2	3.55	0.5	13	12	11	2.14	0.33	24
2	2.29	0.5	11	16	8	2.42	0.25	26
2	2.76	0.5	11	20	15	2.5	0.36	26
2	2.6	0.5	12	17	23	2.46	0.3	25
2	2.59	0.5	12	21	39	2.44	0.33	23
2	2.8	0.5	11	21	13	2.28	0.28	28
2	2.7	0.5	11	19	8	2.13	0.3	27
2	2.75	0.5	9	19	9	2	0.34	28
2	2.12	0.5	10	17	9	2.08	0.29	24
2	2.27	0.5	11	17	11	2.16	0.31	26
2	2.31	0.5	12	19	32	2.27	0.28	25
2	2.31	0.5	11	16	25	2.21	0.26	26
2	1.81	0.5	15	16	137	2.56	0.23	23
2	2.21	0.5	11	19	41	2.39	0.33	25
2	2.84	0.5	13	17	106	2.43	0.2	23
2	3.3	0.5	12	13	127	2.59	0.19	16
2	1.87	0.5	11	15	332	3.1	0.3	15
2	3.04	0.5	13	16	15	2.56	0.21	23
2	2.67	0.5	11	19	11	2.54	0.22	25
2	2.62	0.5	10	19	4	2.48	0.19	26
31	2.51	0.5	10	15	348	2.86	0.24	23
2	2.59	0.5	11	21	12	2.6	0.23	26
2	2.58	0.5	12	19	11	2.53	0.25	26
2	2.87	0.5	13	18	14	2.47	0.2	27
2	2.53	0.5	11	19	9	2.56	0.29	30
2	1.64	0.5	11	20	10	2.28	0.42	26

2	2.36	0.5	11	19	11	2.36	0.26	25
2	2.4	0.5	11	17	9	2.29	0.23	25
2	2.94	0.5	11	13	27	2.53	0.22	25
2	2.32	0.5	11	21	14	2.48	0.19	27
2	2.24	0.5	10	20	9	2.39	0.16	28
2	2.51	0.5	10	15	11	2.55	0.26	27
2	2.53	0.5	10	11	27	2.43	0.19	24
2	2.8	0.5	10	13	29	2.55	0.3	25
2	2.55	0.5	13	17	7	2.82	0.19	25
2	3.1	0.5	10	7	10	2.72	0.22	21
2	2.32	0.5	11	19	9	2.69	0.2	30
2	2.88	0.5	11	11	102	2.5	0.24	20
2	2.34	0.5	10	17	28	2.34	0.26	25
2	2.3	0.5	11	20	13	2.68	0.2	26
2	2.26	0.5	10	16	42	2.4	0.17	21
2	2.52	0.5	10	15	46	2.48	0.25	26
2	2.53	0.5	10	15	9	2.39	0.16	23
2	2.42	0.5	10	12	9	2.42	0.15	23
2	2.6	0.5	12	25	18	2.95	0.19	28
2	2.56	0.5	10	16	11	2.37	0.12	27
2	2.17	0.5	10	19	11	2.63	0.26	26
2	3.04	0.5	10	14	44	2.38	0.23	25
2	2.4	0.5	11	19	5	2.42	0.18	30
2	2.75	0.5	11	18	6	2.61	0.23	27
2	2.17	0.5	10	16	4	2.25	0.17	28
2	2.27	0.5	10	17	4	2.47	0.21	26
2	2.26	0.5	10	19	6	2.6	0.24	29
2	2.62	0.5	10	15	7	2.47	0.24	24
2	2.42	0.5	10	18	12	2.48	0.19	29
2	2.03	0.5	10	18	6	2.27	0.2	25
2	1.95	0.5	7	10	3	1.9	0.23	17
2	2.1	0.5	6	7	3	1.52	0.21	12
2	1.86	0.5	6	8	1	1.47	0.22	13
2	2.15	0.5	6	7	2	1.45	0.25	13
2	2.11	0.5	6	8	1	1.56	0.22	13
2	2.08	0.5	6	5	2	1.61	0.23	12
2	2.33	0.5	5	3	1	1.53	0.25	13
2	2.19	0.5	6	6	2	1.56	0.24	14
2	2.28	0.5	4	3	1	1.39	0.27	13
2	2.2	0.5	6	6	4	1.27	0.25	14
2	2.22	0.5	5	6	1	1.33	0.26	13
2	2.12	0.5	5	4	2	1.36	0.26	13
2	2.31	0.5	8	9	4	1.98	0.25	18
2	2.53	0.5	10	11	10	2.53	0.23	25
2	2.17	0.5	12	15	16	2.76	0.22	28
2	1.99	0.5	9	10	49	1.97	0.22	19
2	1.95	0.5	12	14	20	2.59	0.17	26

2	2.53	0.5	11	10	26	2.5	0.2	24
2	2.11	0.5	12	13	11	2.61	0.19	25
2	2.47	0.5	9	7	22	2.12	0.22	21
2	2.71	0.5	12	13	13	2.76	0.22	28
2	2.86	0.5	10	9	18	2.4	0.35	23
2	2.64	0.5	11	13	13	2.58	0.24	27
2	2.8	0.5	11	9	12	2.45	0.22	22
2	3.02	0.5	11	12	21	2.77	0.41	25
2	2.77	0.5	11	10	13	2.54	0.29	23
2	2.67	0.5	12	12	45	2.6	0.24	30
2	2.94	0.5	12	11	10	2.46	0.25	26
2	3.3	0.5	11	8	12	2.39	0.21	24
2	3.21	0.5	11	6	25	2.34	0.22	28
2	2.84	0.5	11	13	1	3.89	0.12	23
2	3.28	0.5	13	13	1	3.34	0.15	44
2	2.03	0.5	10	11	21	2.44	0.16	31
2	4.14	0.5	12	10	17	2.92	0.14	24
2	3.35	0.5	12	10	13	2.54	0.27	21
2	2.65	0.5	10	11	13	2.48	0.19	24
2	2.98	0.5	10	10	11	2.51	0.27	22
2	2.72	0.5	16	12	11	3.01	0.37	23
2	3.45	0.5	10	9	11	2.36	0.23	24
2	3.24	0.5	11	11	9	2.65	0.23	24
2	2.86	0.5	10	11	13	2.51	0.22	25
2	3.28	0.5	10	9	9	2.42	0.22	21
2	3.22	0.5	11	8	4	2.33	0.27	20
2	2.6	0.5	15	8	64	3.55	0.32	30
2	2.9	0.5	10	7	31	2.15	0.28	23
2	2.12	0.5	10	7	11	2.2	0.22	18
2	2.51	0.5	10	9	22	2.55	0.35	28
2	2.09	0.5	9	7	7	2.58	0.21	26
2	3.21	0.5	9	5	24	2.47	0.32	24
2	3.68	0.5	9	8	8	2.26	0.31	25
2	3.47	0.5	10	9	12	2.27	0.24	24
2	2.18	0.5	11	13	11	2.55	0.19	27
2	3.36	0.5	16	15	1	3.83	0.28	24
2	3.65	0.5	16	13	1	4.12	0.25	21
2	3.69	0.5	16	16	2	4.24	0.61	25
2	0.71	0.5	11	18	10	2.34	0.13	24
2	0.67	0.5	8	11	11	2.58	0.2	24
2	0.8	0.5	10	14	9	2.59	0.17	27
2	2.33	0.5	8	9	14	1.92	0.23	28
109	2.98	1.1	7	8	228	2.3	0.22	16
2	2.4	0.5	9	13	33	2.23	0.24	32
2	2.59	0.5	10	16	12	2.38	0.2	31
2	2.11	0.5	10	20	11	2.25	0.33	30
2	1.69	0.5	7	10	8	1.57	0.19	34

2	1.39	0.5	5	10	9	1.11	0.26	32
2	1.79	0.5	4	10	15	0.87	0.24	34
2	2.18	0.5	7	14	5	1.61	0.31	30
2	2.8	0.5	9	13	45	2.08	0.25	28
2	2.89	0.5	10	14	17	2.3	0.24	27
2	2.3	0.5	9	16	14	2.15	0.23	28
2	3.19	0.5	10	15	4	2.22	0.19	29
2	1.95	0.5	10	18	3	2.39	0.24	28
2	2.13	0.5	10	17	7	2.29	0.24	29
2	2.58	0.5	9	14	4	2.43	0.18	27
6	2.28	0.5	8	8	119	1.59	0.17	13
2	2.07	0.5	5	4	11	1.33	0.17	10
2	2.03	0.5	6	4	10	1.32	0.16	10
2	1.95	0.5	5	4	18	1.41	0.15	10
2	2.02	0.5	6	5	12	1.45	0.15	10
2	1.93	0.5	6	5	15	1.33	0.17	10
2	1.89	0.5	6	4	5	1.52	0.13	10
2	2.04	0.5	5	4	19	1.41	0.16	10
2	1.94	0.5	6	5	15	1.57	0.14	10
2	1.95	0.5	5	3	13	1.53	0.14	10
2	2.02	0.5	5	4	13	1.54	0.15	10
2	1.83	0.5	7	6	5	1.44	0.14	12
2	2.24	0.5	8	10	7	2.15	0.13	20
2	2.7	0.5	10	17	6	2.56	0.16	29
2	1.9	0.5	9	12	2	2.35	0.19	25
4	0.95	0.5	10	11	8	2.53	0.16	17
2	1.77	0.5	10	19	7	2.52	0.08	26
2	2.58	0.5	10	19	8	2.36	0.18	28
2	2.55	0.5	10	10	12	2.02	0.22	25
2	2.37	0.5	9	9	20	1.99	0.2	23
2	1.4	0.5	8	10	33	1.59	0.18	25
2	0.34	0.5	15	48	44	2.64	0.17	29
2	2.42	0.5	9	14	11	2.01	0.18	26
2	2.69	0.5	9	10	11	2.02	0.2	24
2	2.74	0.5	10	11	16	2.05	0.18	20
2	2.84	0.5	10	11	76	2.36	0.21	20
2	2.48	0.5	9	15	11	2.42	0.19	26
2	2.13	0.5	11	15	9	2.56	0.17	27
2	2.37	0.5	12	26	4	2.45	0.16	25
2	1.22	0.5	10	23	9	2.28	0.35	27
2	2.66	0.5	8	10	41	2.17	0.13	21
2	2.86	0.5	15	12	19	3.2	0.18	24
2	2.07	0.5	10	15	8	2.03	0.22	23
2	1.12	0.5	5	12	2	1.3	0.24	34
2	2.64	0.5	12	14	65	2.18	0.13	30
2	2.63	0.5	11	22	8	2.62	0.15	32
2	2.48	0.5	10	13	28	2.43	0.13	30

2	2.97	0.5	8	9	21	2.1	0.16	24
2	2.89	0.5	10	13	13	2.45	0.13	29
2	2.33	0.5	9	15	12	2.33	0.14	28
2	1.16	0.5	7	11	27	1.32	0.11	16
2	2	0.5	9	15	1	2.31	0.16	28
2	1.8	0.5	9	13	1	1.99	0.1	26
2	1.95	0.5	8	10	1	2.03	0.19	10
2	2.38	0.5	7	11	1	2.09	0.07	10
2	4.25	0.5	10	14	1	3.19	0.11	13
2	4.51	0.5	10	15	5	3.47	0.06	10
2	3.59	0.5	7	15	2	2.53	0.09	10
2	2.08	0.5	8	16	2	2.1	0.18	22
2	2.61	0.5	9	15	8	2.48	0.13	28
2	2.33	0.5	10	15	6	2.66	0.15	29
2	2.86	0.5	10	13	6	2.42	0.18	30
2	2.13	0.5	11	15	2	2.45	0.17	28
2	2.81	0.5	7	11	1	1.66	0.18	23
2	1.73	0.5	7	8	1	1.62	0.15	16
2	1.63	0.5	6	9	1	1.56	0.14	13
2	1.52	0.5	7	9	1	1.8	0.1	10
2	1.07	0.5	9	12	2	2.63	0.07	10
2	2.87	0.5	12	15	1	3.48	0.07	10
2	1.73	0.5	12	18	1	3.64	0.06	10
2	3.57	0.5	11	15	1	3.62	0.12	11
2	5.59	0.5	11	15	1	3.27	0.06	20
2	0.88	0.5	15	10	1	4.13	0.18	54
2	1.71	0.5	9	12	1	3.25	0.2	41
2	5.11	0.5	22	284	2	4.99	0.07	45
2	2.55	0.5	8	14	4	2.06	0.16	28
2	1.81	0.5	10	20	16	2.39	0.12	27
2	2.73	0.5	12	15	24	2.75	0.15	29
2	2.55	0.5	10	15	9	2.42	0.19	29
2	2.98	0.5	8	14	7	2.21	0.17	27
2	3.09	0.5	9	12	14	2.57	0.18	28
2	2.29	0.5	10	18	11	2.38	0.17	32
2	2.87	0.5	9	18	15	2.63	0.18	25
2	2.22	0.5	11	22	10	2.63	0.14	32
2	2.79	0.5	14	17	10	3.07	0.2	32
2	2.35	0.5	9	17	7	2.54	0.12	29
2	2.41	0.5	10	20	9	2.72	0.19	29
2	3.05	0.5	11	10	30	2.46	0.15	20
2	2.79	0.5	9	13	11	2.56	0.21	27
2	3.04	0.5	10	13	5	2.53	0.22	22
2	3.79	0.5	10	12	14	2.54	0.23	26
2	4.27	0.5	21	135	80	3.72	0.15	24
2	2.93	0.5	10	14	20	2.59	0.25	29
2	2.52	0.5	9	16	21	2.59	0.16	19

2	1.08	0.5	11	14	18	2.73	0.21	26
2	1.6	0.5	10	18	16	2.5	0.13	29
2	1.81	0.5	11	14	53	3.43	0.14	36
2	2.01	0.5	10	18	4	2.36	0.12	25
2	1.52	0.5	11	17	26	2.24	0.17	25
2	1.74	0.5	10	20	14	2.62	0.13	32
2	2.83	0.5	13	19	21	2.45	0.17	27
2	2.04	0.5	9	21	4	2.12	0.21	25
2	2.02	0.5	8	16	3	2.04	0.15	15
2	1.05	0.5	11	24	26	2.25	0.25	22
2	1.29	0.5	9	21	7	1.98	0.19	22
2	1.69	0.5	11	23	72	2.84	0.3	22
2	1.35	0.5	10	26	9	2.11	0.29	23
2	1.29	0.5	10	23	16	2.16	0.33	25
2	1.28	0.5	10	28	9	2.23	0.29	25
2	1.43	0.5	11	24	16	2.22	0.42	23
2	1.7	0.5	11	25	17	2.21	0.23	22
2	1.75	0.5	12	19	65	2.34	0.28	24
2	2.3	0.5	8	25	10	1.98	0.23	20
2	1.3	0.5	11	24	9	2.23	0.35	27
2	1.36	0.5	11	26	10	2.23	0.21	25
2	1.5	0.5	12	24	50	2.66	0.47	26
2	1.55	0.5	11	27	11	2.65	0.28	27
3	1.79	0.5	12	21	118	3.54	0.48	22
2	1.38	0.5	11	25	12	2.44	0.2	26
2	2.06	0.5	6	21	14	1.92	0.24	21
2	2.05	0.5	10	26	16	2.55	0.33	24
2	1.64	0.5	9	25	6	2.2	0.25	25
2	2.03	0.5	18	22	5	4.13	0.19	20
2	1.68	0.5	8	26	4	2.38	0.19	24
2	1.77	0.5	11	24	9	2.56	0.18	24
2	2	0.5	7	20	2	1.72	0.23	22
2	1.5	0.5	11	24	10	2.42	0.17	25
2	1.75	0.5	9	24	27	2.37	0.42	24
2	1.61	0.5	10	24	20	2.49	0.54	22
2	1.74	0.5	10	24	24	2.66	0.24	25
2	1.32	0.5	10	23	27	2.57	0.31	24
2	1.9	0.5	9	24	133	2.64	0.3	26
2	1.76	0.5	10	23	9	2.47	0.3	23
2	3.61	0.5	11	25	1	4.2	0.12	15
2	2.68	0.5	12	25	1	4.14	0.14	21
2	1.81	0.5	10	26	12	2.66	0.36	24
2	1.43	0.5	10	27	15	2.33	0.26	26
2	1.61	0.5	10	28	24	2.69	0.27	25
2	1.57	0.5	11	26	12	2.62	0.22	22
2	2.37	0.5	12	28	1	4.06	0.09	14
2	1.32	0.5	13	21	7	3.6	0.24	21

2	1.96	0.5	11	23	8	2.62	0.28	24
2	1.84	0.5	10	28	9	2.46	0.29	23
2	1.9	0.5	9	23	7	2.38	0.28	26
2	1.53	0.5	10	24	6	2.58	0.26	23
2	1.42	0.5	10	24	7	2.35	0.27	24
2	1.89	0.5	11	26	11	2.75	0.26	30
2	1.62	0.5	10	21	7	2.36	0.27	22
2	2.15	0.5	8	23	10	2.27	0.18	21
2	1.51	0.5	10	24	7	2.38	0.29	23
2	1.57	0.5	11	26	7	2.54	0.24	24
2	1.85	0.5	10	26	5	2.48	0.23	20
2	1.47	0.5	10	24	9	2.42	0.27	25
2	1.57	0.5	11	30	16	2.6	0.21	22
2	1.53	0.5	10	24	9	2.39	0.25	25
2	2	0.5	10	25	6	2.32	0.27	25
2	2.26	0.5	10	23	13	2.37	0.25	18
2	2.15	0.5	10	23	7	2.58	0.28	20
2	1.92	0.5	10	22	3	2.57	0.3	24
2	1.91	0.5	10	22	10	2.4	0.3	22
2	1.75	0.5	10	25	7	2.51	0.25	22
2	2.38	0.5	10	24	7	2.38	0.28	22
2	2.38	0.5	10	25	11	2.17	0.35	21
2	2.01	0.5	10	28	6	2.41	0.39	27
2	2.31	0.5	9	25	7	2.28	0.42	22
2	1.71	0.5	10	24	11	2.2	0.45	25
2	2.29	0.5	10	22	8	2.25	0.4	22
2	1.56	0.5	11	23	11	2.37	0.34	18
2	2.39	0.5	10	24	17	2.48	0.26	22
2	2.11	0.5	9	26	6	2.23	0.29	23
2	2.64	0.5	10	23	9	2.38	0.3	20
2	2.1	0.5	10	25	8	2.31	0.26	24
2	2.35	0.5	11	27	9	2.52	0.28	28
2	2.4	0.5	10	28	8	2.47	0.32	25
2	2.16	0.5	9	22	5	2.35	0.35	26
2	2.62	0.5	9	22	4	2.31	0.34	24
2	2.28	0.5	9	23	5	2.17	0.39	26
2	3.12	0.5	9	18	3	2.34	0.28	23
2	2.63	0.5	9	20	6	2.29	0.28	22
2	1.78	0.5	9	23	6	2.31	0.37	26
2	2.62	0.5	9	22	9	2.24	0.31	25
2	2.68	0.5	9	20	8	2.18	0.37	25
2	2.25	0.5	9	17	12	2.13	0.37	25
2	2.01	0.5	8	17	8	1.94	0.41	25
2	4.04	0.5	9	21	2	2.29	0.42	23
2	1.16	0.5	9	12	4	1.51	0.14	10
2	1.43	0.5	11	21	9	2.22	0.35	26
2	0.96	0.5	11	22	10	1.99	0.56	24

2	1.35	0.5	11	21	12	2.09	0.44	22
2	2.14	0.5	11	20	16	2.41	0.21	25
2	2.53	0.5	11	16	13	2.34	0.19	28
2	1.76	0.5	13	27	44	2.67	0.48	28
2	1.59	0.5	11	21	13	2.27	0.35	24
2	2.22	0.5	10	23	6	2.46	0.23	30
2	2.76	0.5	10	17	13	2.2	0.24	24
2	2.71	0.5	14	27	30	2.83	0.21	28
2	2.56	0.5	11	19	11	2.38	0.23	30
2	2	0.5	10	19	9	2.32	0.2	27
2	2.1	0.5	12	16	10	2.25	0.23	26
2	2.04	0.5	10	20	9	2.35	0.32	29
2	2.33	0.5	9	18	16	2.24	0.26	26
2	2.24	0.5	12	19	12	2.56	0.18	28
2	2.42	0.5	11	21	6	2.49	0.21	26
2	2.52	0.5	9	10	519	2.01	0.26	22
2	2.3	0.5	11	23	6	2.52	0.17	30
2	2.31	0.5	11	20	6	2.47	0.17	31
2	2.63	0.5	11	16	4	2.3	0.18	22
2	2.28	0.5	11	20	7	2.54	0.18	31
3	3.08	0.5	11	10	31	2.48	0.26	23
10	2	0.5	10	10	26	3.36	0.28	17
2	2.61	0.5	11	20	57	2.49	0.21	23
2	0.95	0.5	11	27	1	3.99	0.13	25
2	1.92	0.5	13	21	14	2.63	0.17	25
2	2.33	0.5	11	19	12	2.57	0.22	27
2	2.28	0.5	10	20	8	2.43	0.2	26
2	2.31	0.5	12	15	3	2.46	0.21	28
2	2.38	0.5	10	21	7	2.44	0.22	32
2	2.39	0.5	10	14	4	2.25	0.2	28
2	2.37	0.5	12	17	6	2.5	0.22	34
2	2.4	0.5	11	19	12	2.38	0.21	26
2	2.6	0.5	11	20	5	2.52	0.2	29
2	1.95	0.5	10	16	5	2.34	0.18	23
2	1.76	0.5	24	13	130	5.27	0.21	10
2	1.63	0.5	26	12	166	5.83	0.22	10
2	1.88	0.5	9	7	4	1.97	0.23	13
2	2.16	0.5	8	6	8	1.93	0.21	14
2	2.25	0.5	7	6	13	1.8	0.19	13
2	2.22	0.5	10	9	17	2.24	0.2	13
2	2.79	0.5	21	4	8	2.1	0.19	11
2	2.17	0.5	7	5	5	1.74	0.21	13
2	2.01	0.5	7	4	6	1.62	0.21	12
2	2.23	0.5	7	4	4	1.71	0.21	14
2	2.06	0.5	7	3	3	1.78	0.22	13
2	2	0.5	7	4	6	1.76	0.24	14
2	2.3	0.5	6	4	2	1.55	0.25	14

2	2.6	0.5	6	4	1	1.42	0.22	18
2	2.32	0.5	6	4	2	1.54	0.25	15
2	2.22	0.5	6	4	4	1.49	0.22	14
2	2.43	0.5	6	4	3	1.47	0.22	16
2	2.33	0.5	8	8	4	1.97	0.27	19
2	2.1	0.5	7	6	6	1.82	0.25	16
2	2.1	0.5	7	4	3	1.55	0.21	15
2	2.2	0.5	8	7	4	1.83	0.22	16
2	1.86	0.5	12	23	17	2.57	0.23	28
2	1.68	0.5	11	20	10	2.45	0.28	27
2	3.42	0.5	13	34	21	2.31	0.49	30
2	2.52	0.5	11	20	12	2.53	0.18	28
4	1.94	0.5	13	9	306	2.98	0.31	24
2	2.37	0.5	11	17	21	2.34	0.19	26
2	2.51	0.5	12	18	8	2.63	0.22	27
2	1.74	0.5	11	17	3	1.95	0.17	24
2	2.62	0.5	13	14	13	2.34	0.15	25
2	2.71	0.5	11	18	15	2.32	0.15	29
2	2.16	0.5	11	19	25	2.2	0.15	26
2	2.22	0.5	11	20	11	2.48	0.14	28
2	2.34	0.5	10	15	9	2.32	0.17	27
2	2.69	0.5	11	11	3	2.15	0.24	26
2	2.27	0.5	10	18	13	2.32	0.21	28
2	2.27	0.5	10	19	15	2.24	0.24	26
2	2.69	0.5	13	19	32	2.97	0.16	27
2	0.36	0.5	1	8	2	0.33	0.02	10
2	0.36	0.5	1	13	4	0.4	0.05	10
2	4.19	0.5	3	3	1	2.84	0.24	33
3	2.32	0.5	14	15	7	2.68	0.2	27
2	2.55	0.5	10	12	14	2.25	0.18	28
2	2.19	0.5	9	18	10	2.13	0.13	22
2	2.53	0.5	11	18	10	2.27	0.12	27
2	3.26	0.5	15	10	47	2.76	0.16	26
2	2.21	0.5	11	19	6	2.43	0.1	29
2	1.85	0.5	9	21	12	2.58	0.34	32
2	2.99	0.5	11	9	26	2.21	0.18	17
2	1.35	0.5	12	20	27	2.47	0.47	26
2	2.06	0.5	11	16	8	2.38	0.19	28
2	2.34	0.5	11	19	12	2.44	0.2	29
2	1.61	0.5	12	21	10	2.33	0.22	28
2	2.26	0.5	12	24	11	2.68	0.22	30
2	3.02	0.5	23	29	63	3.83	0.58	29
2	2.51	0.5	12	23	14	2.71	0.25	29
2	3.61	0.5	27	90	56	4.22	0.89	48
2	2.48	0.5	12	22	26	2.67	0.27	28
2	2.11	0.5	11	20	18	2.51	0.21	28
2	2.62	0.5	12	21	7	2.63	0.26	29

2	2.91	0.5	11	14	12	2.52	0.24	23
2	3	0.5	11	8	9	2.38	0.33	17
2	2.59	0.5	11	18	12	2.55	0.22	25
2	2.39	0.5	11	20	2	2.62	0.23	18
2	2.72	0.5	12	21	1	2.45	0.21	31
2	2.69	0.5	9	16	1	2.27	0.21	26
2	6.35	0.5	15	12	2	2.52	0.18	19
2	2.25	0.5	12	14	3	2.51	0.22	30
2	2.9	0.5	8	15	5	2.07	0.23	20
2	2.14	0.5	12	19	7	2.34	0.3	17
2	2.33	0.5	11	19	8	2.46	0.16	26
2	3.06	0.5	11	10	9	2.83	0.2	27
2	2.24	0.5	4	5	7	1.33	0.18	16
2	3.32	0.5	12	8	13	3	0.22	22
2	2.54	0.5	11	21	9	2.45	0.16	29
2	2.35	0.5	11	20	11	2.5	0.18	28
2	2.48	0.5	12	20	11	2.57	0.17	29
2	2.31	0.5	11	20	43	2.53	0.25	28
2	1.39	0.5	14	99	246	3.71	0.35	20
3	1.5	0.5	38	708	839	8.84	1.18	50
2	0.58	0.5	9	16	18	1.84	0.27	20
2	0.31	0.5	10	15	21	1.95	0.32	30
2	0.33	0.5	10	14	23	2.15	0.3	30
2	0.5	0.5	9	16	19	2.05	0.23	20
2	0.58	0.5	11	12	17	1.91	0.18	20
2	0.51	0.5	11	14	23	2.28	0.15	20
2	0.26	0.5	10	13	20	2.23	0.14	20
2	0.27	0.5	10	14	26	2.02	0.14	30
2	0.87	0.5	11	14	33	2.53	0.2	30
2	1.85	0.5	12	10	62	3.15	0.21	30
2	1.1	0.5	3	5	16	0.33	0.13	10
12	0.12	3.2	14	6	541	3.66	0.17	10
2	0.27	0.5	9	16	26	2.1	0.13	30
2	0.55	0.5	21	226	2	5.37	0.03	20
2	0.35	0.5	10	15	2	3.23	0.04	10
2	0.31	0.5	13	16	4	3.36	0.05	10
2	0.29	0.5	11	15	4	3.16	0.07	10
2	0.37	0.5	12	12	12	3.29	0.11	10
2	0.4	0.5	14	14	2	4.1	0.04	10
2	0.24	0.5	11	15	60	2.74	0.12	40
2	0.26	0.5	10	11	21	2.3	0.15	30
2	0.26	0.5	8	15	15	2.26	0.12	30
2	0.29	0.5	9	20	28	2.48	0.17	30
2	1.21	0.5	10	14	19	2.44	0.13	30
2	0.94	0.5	8	13	22	2.4	0.14	30
2	2.33	0.5	7	11	11	2	0.15	30
2	1.83	0.5	8	15	10	2.47	0.11	50

2	1.96	0.5	10	15	3	2.71	0.1	30
2	2.19	0.5	10	16	5	2.54	0.11	30
2	2.33	0.5	14	14	6	2.78	0.09	30
2	2.45	0.5	11	16	4	2.87	0.07	20
2	2.23	0.5	9	14	3	2.47	0.1	30
2	2.05	0.5	9	14	5	2.45	0.12	30
2	2.49	0.5	8	14	4	2.43	0.11	30
2	1.86	0.5	10	13	23	2.43	0.14	40
2	2.29	0.5	8	15	9	2.42	0.12	30
2	3.11	0.5	8	8	3	2	0.2	30
2	3.03	0.5	7	13	29	1.9	0.17	30
2	1.84	0.5	10	8	8	2.21	0.18	30
2	0.61	0.5	11	25	6	2.95	0.06	30
2	0.44	0.5	10	15	2	2.49	0.07	20
2	0.52	0.5	9	14	2	2.11	0.08	30
2	1.76	0.5	13	18	1	3.82	0.02	10
2	0.26	0.5	27	16	1	7.44	0.01	10
2	1.61	0.5	13	16	1	3.25	0.03	20
2	0.5	0.5	16	19	1	3.61	0.02	30
2	0.53	0.5	10	16	3	2.41	0.08	20
2	0.23	0.5	17	23	1	4.47	0.03	30
2	0.33	0.5	8	23	1	3.79	0.02	20
3	0.24	0.5	25	12	20	5.77	0.18	10
2	0.43	0.5	11	17	4	3.77	0.04	20
2	0.48	0.5	9	19	4	3.8	0.01	20
3	0.47	0.5	12	18	3	4.29	0.07	20
2	0.42	0.5	12	19	2	3.66	0.02	20
2	0.4	0.5	8	16	1	3.19	0.04	20
3	0.23	0.5	10	16	2	2.99	0.05	20
2	0.25	0.5	8	15	2	2.72	0.05	20
2	0.39	0.5	18	16	16	4.22	0.09	20
2	0.3	0.5	9	15	2	2.76	0.05	20
2	0.29	0.5	9	15	2	2.71	0.08	60
2	0.24	0.5	13	13	3	3.15	0.08	10
2	0.74	0.5	20	19	1	3.2	0.02	10
2	0.33	0.5	10	18	4	2.98	0.05	20
2	0.49	0.5	12	13	5	2.7	0.09	20
2	1.97	0.5	9	16	12	2.52	0.1	30
2	1.96	0.5	9	15	21	2.51	0.08	30
2	3.48	0.5	14	19	42	3.22	0.11	20
2	1.98	0.5	9	16	19	2.61	0.1	30
2	2.26	0.5	10	12	18	2.43	0.16	20
2	2.31	0.5	10	14	21	2.87	0.11	30
2	2.08	0.5	11	15	18	2.54	0.22	20
2	2.19	0.5	12	12	29	2.48	0.27	20
2	2.26	0.5	11	14	20	2.55	0.16	30
2	2.22	0.5	10	13	26	2.32	0.14	20

2	2.24	0.5	10	16	28	2.47	0.12	30
2	2.41	0.5	10	17	16	2.45	0.16	30
2	2.27	0.5	9	13	8	2.27	0.16	20
2	2.22	0.5	11	14	24	2.73	0.19	30
2	2.68	0.5	9	15	8	2.31	0.17	30
2	2.57	0.5	8	9	38	2.29	0.22	30
2	2.25	0.5	11	6	104	2.19	0.22	40
2	2.11	0.5	8	11	29	2.28	0.23	30
2	2.47	0.5	9	13	27	2.12	0.22	30
2	2.31	0.5	12	11	32	2.54	0.25	30
2	2.5	0.5	9	12	19	2.15	0.21	20
2	1.97	0.5	9	13	24	2.2	0.21	20
2	2.75	0.5	9	13	19	2.17	0.22	30
2	1.58	0.5	11	13	155	2.89	0.18	20
5	2.62	0.5	19	10	2120	3.96	0.12	230
2	2.07	0.5	12	14	345	3.24	0.21	140
5	2.75	0.5	22	10	1730	4.77	0.15	470
2	1.85	0.5	10	10	626	3.06	0.15	20
2	3.7	0.5	7	7	56	2.67	0.2	20
2	1.86	0.5	8	10	170	2.43	0.2	20
5	2.03	0.5	18	8	1460	3.17	0.2	130
2	2.21	0.5	8	13	44	2.59	0.12	20
2	2.43	0.5	9	17	101	2.48	0.14	20
2	3.16	0.5	9	14	38	2.38	0.17	30
2	2.82	0.5	9	15	14	2.35	0.17	30
2	1.59	0.5	11	11	58	2.54	0.21	20
2	2.45	0.5	10	15	12	2.35	0.16	30
2	2.45	0.5	11	16	10	2.43	0.16	30
2	2.68	0.5	11	15	13	2.53	0.19	20
2	2.63	0.5	9	14	24	2.64	0.19	20
2	2.4	0.5	10	17	24	2.6	0.18	30
2	2.61	0.5	10	14	24	2.42	0.25	30
2	2.23	0.5	13	16	73	2.57	0.18	30
2	2.4	0.5	9	16	42	2.48	0.21	30
2	2.99	0.5	11	17	69	2.75	0.15	20
2	2.62	0.5	10	16	19	2.59	0.26	30
2	2.77	0.5	8	12	23	2.32	0.29	20
2	2.7	0.5	12	11	57	2.59	0.22	30
2	2.5	0.5	11	9	68	2.15	0.29	20
3	3.14	0.5	21	9	36	3.63	0.25	10
2	2.58	0.5	12	14	117	2.63	0.21	30
2	2.33	0.5	12	17	49	2.66	0.19	30
2	2.79	0.5	15	13	913	2.76	0.23	10
2	2.56	0.5	12	14	8	2.83	0.26	20
2	2.86	0.5	40	8	124	5.14	0.26	320
2	2.67	0.5	10	8	20	2.12	0.32	20
2	2.95	0.5	10	9	14	2.14	0.3	20

2	2.38	0.5	10	8	22	2.81	0.29	20
2	2.63	0.5	9	15	9	2.51	0.24	30
2	3.41	0.5	12	14	175	2.86	0.23	20
2	2.43	0.5	11	14	17	2.41	0.2	30
2	2.24	0.5	10	16	31	2.48	0.16	30
2	2.11	0.5	11	16	28	2.28	0.16	30
2	4.77	0.5	21	145	23	4.11	0.07	40
2	1.82	0.5	11	14	26	2.54	0.14	30
2	1.93	0.5	8	15	20	2.09	0.18	30
2	2.6	0.5	9	13	59	2.32	0.18	20
2	2.02	0.5	8	11	58	1.71	0.22	30
3	1.81	0.5	7	12	26	1.86	0.19	30
2	2.41	0.5	8	8	16	1.62	0.18	30
2	2.05	0.5	7	12	12	1.9	0.15	30
2	2.24	0.5	9	6	24	1.61	0.21	20
2	2.31	0.5	8	12	33	2.1	0.16	30
2	2.21	0.5	8	12	12	2.15	0.16	30
2	2.23	0.5	9	7	15	1.92	0.19	30
2	2.29	0.5	10	9	28	1.87	0.18	20
2	4.09	0.5	18	51	51	3.11	0.19	20
2	2.79	0.5	6	3	24	1.53	0.2	20
2	3.31	0.5	7	4	22	1.75	0.2	20
2	2.2	0.5	8	10	15	1.91	0.15	30
2	2.18	0.5	8	9	17	1.93	0.15	30
2	2.63	0.5	7	11	18	1.95	0.15	30
2	2.52	0.5	7	11	12	1.72	0.15	30
2	2.86	0.5	7	10	25	1.65	0.14	20
2	2.3	0.5	8	14	14	2	0.15	30
2	1.96	0.5	8	11	10	2.35	0.2	30
2	1.68	0.5	8	13	13	1.96	0.15	30
2	1.91	0.5	8	13	15	2.06	0.13	30
2	2.45	0.5	8	11	16	1.83	0.16	30
2	2.46	0.5	7	10	13	1.95	0.18	30
2	2.21	0.5	10	6	10	1.71	0.19	20
2	2.5	0.5	8	8	8	1.97	0.18	20
2	3.93	0.5	7	3	15	1.72	0.2	20
2	2.43	0.5	9	4	21	1.89	0.16	20
2	2.68	0.5	9	3	11	1.95	0.2	10
2	2.43	0.5	10	10	10	2.27	0.13	30
2	2.22	0.5	8	14	11	2.21	0.12	30
2	1.58	0.5	7	12	11	1.89	0.19	30
2	1.42	0.5	8	10	16	1.77	0.3	20
2	0.95	0.5	8	12	10	1.79	0.35	20
2	1.05	0.5	8	11	12	1.76	0.3	20
2	1.02	0.5	8	11	11	1.78	0.23	20
2	1.75	0.5	8	10	13	1.8	0.16	20
2	1.36	0.5	8	13	12	2.01	0.15	20

2	1.7	0.5	8	14	10	1.86	0.12	20
2	2.28	0.5	7	10	16	1.7	0.18	20
2	2.26	0.5	8	12	13	1.97	0.16	30
2	1.58	0.5	8	14	8	2.02	0.11	30
2	2.11	0.5	8	12	11	1.98	0.15	30
2	2.17	0.5	7	9	11	1.79	0.19	20
2	2.03	0.5	9	14	9	2.2	0.12	30
2	1.55	0.5	8	13	11	2.02	0.11	20
2	1.68	0.5	11	17	51	2.78	0.16	20
2	1.94	0.5	9	17	24	2.36	0.17	20
2	2.1	0.5	9	5	22	1.66	0.23	20
2	2.53	0.5	8	11	51	2.12	0.16	30
2	1.56	0.5	7	14	8	1.94	0.24	30
2	0.87	0.5	12	11	56	2.66	0.63	20
2	1.38	0.5	9	14	12	1.96	0.4	30
2	1.16	0.5	7	14	10	1.74	0.51	30
2	1.41	0.5	8	13	17	1.43	0.49	20
2	2.53	0.5	22	54	57	2.86	0.93	40
2	1.18	0.5	9	33	15	2.25	0.25	20
2	1.12	0.5	8	14	17	1.93	0.17	20
2	1.05	0.5	14	10	68	2.07	0.15	10
2	1.01	0.5	8	15	11	1.95	0.18	20
2	1.43	0.5	5	12	8	1.65	0.13	20
2	1.1	0.5	8	14	9	2.1	0.15	40
2	1.75	0.5	10	16	16	2.26	0.14	20
2	1.7	0.5	11	15	29	2.38	0.21	20
2	2.86	0.5	9	12	25	2.27	0.15	30
2	1.53	0.5	13	20	55	2.88	0.34	30
2	1.53	0.5	11	18	13	2.68	0.11	30
2	1.42	0.5	10	16	23	2.19	0.24	30
2	1.33	0.5	10	15	29	2.17	0.31	20
2	1.57	0.5	10	15	32	2.16	0.17	20
2	1.41	0.5	10	15	16	2.17	0.12	30
2	1.51	0.5	11	16	20	2.23	0.15	30
2	1.33	0.5	9	15	8	2.08	0.11	30
2	1.92	0.5	10	14	3	2.45	0.1	20
2	1.23	0.5	14	13	24	2.18	0.16	30
2	1.28	0.5	10	17	16	2.17	0.13	20
2	1.46	0.5	10	15	11	2.07	0.13	30
2	2.12	0.5	10	15	14	2.28	0.13	30
2	2.71	0.5	11	17	16	2.72	0.16	30
2	2.9	0.5	11	11	18	2.2	0.21	30
2	2.69	0.5	9	15	11	2.31	0.17	30
2	2.56	0.5	10	14	23	2.31	0.18	30
2	2.53	0.5	11	14	21	2.29	0.19	30
2	3.07	0.5	9	9	11	1.84	0.22	30
2	2.75	0.5	9	14	12	2.26	0.17	30

2	2.28	0.5	10	15	11	2.27	0.13	30
2	1.46	0.5	10	16	14	2.15	0.16	30
2	2.11	0.5	9	20	16	2.34	0.19	30
2	1.27	0.5	10	17	16	2.12	0.3	20
2	1.36	0.5	8	15	10	2.24	0.16	20
2	3.22	0.5	10	16	9	2.49	0.08	30
2	1.76	0.5	8	19	4	2.72	0.1	30
2	2.28	0.5	11	9	14	1.94	0.22	30
2	2.02	0.5	9	14	10	2.29	0.11	30
2	1.71	0.5	9	15	11	2.23	0.13	30
2	1.52	0.5	10	16	6	2.19	0.1	30
3	0.79	0.5	11	23	4	2.96	0.08	20
2	0.58	0.5	11	19	1	3.36	0.05	20
4	1.07	0.5	21	24	1	5.47	0.06	20
2	1.2	0.5	11	20	1	3.68	0.03	30
2	1.51	0.5	10	17	1	3.04	0.03	10
2	0.7	0.5	11	17	2	2.45	0.09	30
2	1.82	0.5	11	14	261	2.48	0.14	20
2	0.75	0.5	11	17	3	2.47	0.09	30
2	2.75	0.5	8	10	21	2.35	0.13	20
2	2.4	0.5	9	12	10	1.98	0.17	30
2	0.49	0.5	5	10	6	1.18	0.1	20
2	1.34	0.5	10	17	9	2.24	0.09	30
2	1.99	0.5	7	12	41	2.24	0.07	20
2	1.15	0.5	4	10	5	1.44	0.06	30
2	1.09	0.5	9	17	2	2.68	0.08	30
2	2.22	0.5	8	18	1	2.27	0.02	120
2	2.52	0.5	11	20	1	2.75	0.03	70
2	0.62	0.5	10	13	15	2.07	0.45	30
2	0.48	0.5	9	15	23	2.03	0.23	50
2	0.59	0.5	10	13	13	2.29	0.2	30
2	1.31	0.5	11	14	21	2.22	0.38	20
2	1.11	0.5	11	14	14	2.1	0.5	20
2	1.75	0.5	9	12	23	2.14	0.29	30
2	1.28	0.5	6	8	19	1.62	0.21	30
2	1.36	0.5	9	13	16	2.04	0.42	20
2	1.25	0.5	10	13	15	2.12	0.41	20
2	1.1	0.5	11	14	14	2.01	0.4	20
2	2.28	0.5	8	14	15	2.25	0.15	30
2	2.73	0.5	9	11	22	1.92	0.23	30
2	2.75	0.5	9	9	12	1.87	0.26	30
2	2.22	0.5	9	15	13	2.35	0.14	30
2	1.77	0.5	9	15	12	2.16	0.28	30
2	1.19	0.5	11	17	33	2.38	0.09	20
2	1.38	0.5	9	13	25	2.41	0.11	30
2	1.56	0.5	8	12	19	2.1	0.1	30
2	1.25	0.5	9	12	14	2.09	0.15	30

2	1.25	0.5	8	13	15	2.09	0.09	20
2	1.47	0.5	10	13	24	2.21	0.19	20
2	1.51	0.5	13	12	64	2.48	0.17	30
2	1.42	0.5	9	14	13	2.1	0.09	20
2	1.32	0.5	9	12	14	2.04	0.11	30
2	1.25	0.5	8	12	14	2.08	0.17	30
2	3.87	0.5	8	7	66	1.78	0.17	20
2	1.54	0.5	10	14	19	2.14	0.13	30
2	2.05	0.5	9	10	12	2.11	0.14	30
2	1.56	0.5	9	12	12	2.21	0.12	20
2	1.38	0.5	10	15	10	2.18	0.11	30
2	0.79	0.5	10	16	9	2.47	0.09	30
2	1.18	0.5	8	14	26	2.55	0.14	20
2	2.44	0.5	17	62	108	3.47	0.36	30
2	2.4	0.5	7	12	95	1.71	0.17	30
2	3.06	0.5	19	55	76	3.1	0.5	30
2	1.42	0.5	8	13	31	2.1	0.17	30
2	1.98	0.5	9	13	97	2.16	0.09	60
2	2.32	0.5	12	13	16	2.44	0.19	30
2	1.35	0.5	9	14	29	2.03	0.12	70
2	1.73	0.5	16	13	41	3.35	0.33	30
2	2.45	0.5	10	15	16	2.42	0.12	30
2	2.94	0.5	12	4	45	1.79	0.22	10
2	3.89	0.5	9	5	66	1.72	0.21	10
2	2.88	0.5	10	6	97	2.16	0.19	20
2	2.65	0.5	9	13	11	2.62	0.15	30
2	2.25	0.5	9	15	21	2.35	0.16	30
3	2.64	0.5	10	16	9	2.58	0.13	30
2	1.39	0.5	12	16	29	2.06	0.24	30
2	1.7	0.5	9	15	22	2.23	0.16	30
2	3.37	0.5	11	14	40	2.36	0.14	30
2	1.3	0.5	8	12	14	2.07	0.09	30
2	7.6	0.5	13	12	219	3.08	0.13	40
4	4.41	0.5	18	5	35	3.39	0.24	40
2	4.29	0.5	14	8	42	3.35	0.16	40
2	4.56	0.5	10	13	12	3.12	0.13	30
2	3	0.5	12	15	17	3.35	0.13	40
2	3.96	0.5	13	16	19	3.21	0.13	40
3	3.61	0.5	15	10	45	3.84	0.22	40
4	4.08	0.5	13	17	60	3.44	0.16	40
2	1.13	0.5	14	13	30	2.24	0.1	20
2	0.71	0.5	5	11	16	1.56	0.09	20
2	1.02	0.5	9	11	7	1.97	0.09	30
2	1.12	0.5	15	19	1	3.7	0.08	30
2	2.82	0.5	11	13	1	2.83	0.17	40
2	1.68	0.5	8	13	2	2.56	0.09	30
3	0.37	0.5	14	20	1	3.62	0.05	20

2	0.75	0.5	9	11	62	2.03	0.23	30
2	0.36	0.5	10	12	51	2.1	0.18	20
2	0.32	0.5	9	10	51	2	0.19	20
2	0.42	0.5	11	12	29	2.15	0.17	30
2	0.72	0.5	15	17	29	2.78	0.1	20
2	2.41	0.5	8	12	22	2.19	0.14	30
2	7	0.5	13	3	17	3.04	0.18	20
2	4.32	0.5	7	2	6	1.39	0.21	30
2	2.99	0.5	7	6	65	1.73	0.19	20
2	2.26	0.5	7	13	25	2.21	0.12	30
2	2.72	0.5	8	13	7	2.44	0.11	30
2	1.88	0.5	12	13	53	2.6	0.11	30
2	1.73	0.5	12	13	61	2.66	0.09	30
2	2.37	0.5	9	15	16	2.49	0.11	30
2	1.91	0.5	11	14	46	2.45	0.13	30
2	2.41	0.5	10	9	32	2.34	0.18	20
27	1.16	6.8	46	2	421	11.4	0.18	10
2	2.38	0.8	11	7	41	2.59	0.2	30
2	2.84	0.5	10	13	32	2.43	0.15	30
2	2.23	0.5	10	15	16	2.31	0.13	30
2	2.02	0.5	12	16	9	2.38	0.08	30
2	1.29	0.5	15	14	188	2.29	0.11	30
2	0.6	0.5	10	15	7	2.26	0.08	20
2	2.12	0.5	10	14	28	2.27	0.09	30
2	2.69	0.5	7	11	7	2.04	0.1	20
2	0.53	0.5	10	15	5	2.48	0.08	20
2	0.4	0.5	11	16	6	2.88	0.06	20
2	0.48	0.5	11	16	7	2.61	0.07	20
2	0.31	0.5	11	17	4	2.92	0.05	30
2	0.33	0.5	10	17	7	2.7	0.07	20
2	0.4	0.5	13	18	5	2.93	0.03	30
2	0.59	0.5	15	19	5	3.32	0.02	20
2	0.24	0.5	16	19	4	4.48	0.02	30
2	0.2	0.5	18	14	19	3.87	0.07	10
2	0.22	0.5	13	15	6	3	0.05	20
2	0.08	0.5	10	3	28	1.57	0.05	10
2	0.27	0.5	11	17	8	2.83	0.07	10
2	0.27	0.5	10	16	6	2.78	0.07	20
2	0.32	0.5	11	18	9	3.05	0.06	20
2	0.37	0.5	13	19	5	3.19	0.04	30
2	0.32	0.5	9	16	6	2.43	0.08	20
2	0.19	0.8	15	10	22	4.27	0.17	10
2	0.23	0.5	9	16	6	2.57	0.1	20
2	0.26	0.5	18	21	4	3.94	0.02	30
2	0.67	0.5	26	17	3	8.28	0.02	80
2	0.69	0.5	14	21	4	3.15	0.03	30
2	0.28	0.5	16	22	6	4.86	0.03	40

2	0.32	0.5	14	22	6	3.7	0.01	50
2	0.92	0.5	36	332	5	8.83	0.01	30
2	0.53	0.5	14	22	1	3.98	0.03	20
3	0.26	0.5	24	17	3	5.9	0.15	20
2	0.52	0.5	14	24	1	3.57	0.03	10
2	0.78	0.5	13	21	1	2.93	0.02	20
2	0.84	0.5	10	17	1	2.42	0.08	20
2	0.73	0.5	10	17	4	2.73	0.07	20
2	0.42	0.5	11	18	1	2.8	0.08	20
2	0.42	0.5	9	17	2	2.83	0.07	30
2	0.36	0.5	12	19	2	3.16	0.07	30
2	0.29	0.5	9	15	2	2.66	0.11	20
3	0.47	0.5	10	16	2	2.67	0.1	20
2	1	0.5	9	15	2	2.43	0.09	20
2	0.34	0.5	10	17	1	2.68	0.05	20
2	0.61	0.5	11	16	2	2.5	0.07	30
2	0.52	0.5	11	17	1	2.83	0.06	40
2	0.46	0.5	11	17	3	3.05	0.04	40
2	1.21	0.5	11	16	15	2.91	0.07	30
2	3.07	0.5	11	26	57	2.61	0.14	30
2	2.41	0.5	10	13	24	2.49	0.13	30
2	2.3	0.5	10	15	19	2.4	0.13	30
2	2.86	0.5	8	13	12	2.37	0.13	30
4	2.11	0.5	16	9	183	3.05	0.17	30
2	2.27	0.5	10	16	17	2.72	0.12	30
2	2.33	0.5	10	15	17	2.58	0.13	30
2	2.79	0.5	10	11	27	2.53	0.17	30
2	2.75	0.5	10	13	157	2.98	0.17	30
2	2.38	0.5	10	14	39	2.35	0.17	30
2	1.87	0.8	12	12	45	2.33	0.2	30
2	2.33	0.5	9	14	21	2.21	0.17	30
2	2.26	0.5	10	15	20	2.32	0.15	30
2	2.4	0.5	11	14	16	2.51	0.13	30
2	2.08	0.5	10	16	6	2.6	0.14	30
2	2.08	0.5	9	13	33	2.43	0.18	30
2	2.31	0.5	10	15	11	2.49	0.13	30
2	2.42	0.5	9	16	12	2.36	0.13	30
2	2.03	0.8	13	8	55	2.46	0.24	30
2	2.28	0.5	10	16	10	2.35	0.14	30
2	1.31	0.5	10	16	8	2.12	0.17	20
2	2.25	0.5	11	16	12	2.59	0.13	30
2	2.26	3.1	13	10	88	3.04	0.22	30
2	2.64	0.5	9	15	20	2.51	0.14	30
2	2.75	0.5	11	14	18	2.46	0.19	30
2	2.92	0.5	8	13	23	2.49	0.16	30
2	1.78	7.2	13	6	90	2.78	0.23	20
2	2.52	0.5	10	13	19	2.22	0.15	30

2	2.36	0.5	10	14	15	2.37	0.14	30
2	2.9	0.5	10	12	16	2.54	0.17	30
2	2.67	0.5	10	14	14	2.41	0.15	30
2	3.07	0.5	9	6	27	2.05	0.2	20
2	2.68	0.5	10	15	10	2.41	0.15	30
2	2.69	0.5	10	12	15	2.38	0.17	30
2	2.83	0.5	10	6	26	2.03	0.18	20
2	2.42	0.5	8	9	16	2.2	0.16	30
2	2.44	0.5	8	7	17	1.95	0.17	20
2	2.26	0.5	8	7	8	1.95	0.17	20
2	2.43	0.5	8	11	11	1.89	0.17	30
2	2.08	0.5	9	14	8	2.13	0.15	30
2	2.16	0.5	9	15	8	2.19	0.14	30
2	2.04	0.5	10	15	19	2.39	0.14	30
2	1.82	0.5	9	14	8	2.21	0.14	30
2	2	0.5	7	15	3	2.07	0.12	20
2	1.89	0.5	8	13	2	2.37	0.12	30
2	2.52	0.5	8	7	3	2.27	0.13	20
2	1.57	0.5	7	13	2	2.34	0.13	40
2	2.72	0.5	5	9	1	1.49	0.08	20
2	2.31	0.5	3	9	12	1.47	0.1	30
2	1.23	0.5	4	8	13	1.26	0.17	40
2	1.59	0.5	7	8	26	1.77	0.2	30
2	1.23	0.5	9	13	28	2.11	0.14	30
2	0.56	0.5	26	8	1355	3.84	0.21	30
2	1.69	0.5	8	14	36	2.48	0.14	20
2	1.05	0.5	9	15	13	2.19	0.11	30
2	1.48	0.5	9	15	13	2.1	0.12	30
2	1.54	0.5	9	13	29	2.13	0.16	30
2	1	0.5	9	15	17	1.95	0.21	20
2	1.16	0.5	9	14	8	1.95	0.25	30
2	1.67	0.5	9	14	10	2	0.16	20
2	1.4	0.5	10	13	21	1.97	0.19	20
2	1.63	0.5	9	14	3	1.89	0.2	20
2	1.15	0.5	12	14	14	1.97	0.2	20
2	0.95	0.5	11	15	15	1.99	0.17	20
2	1.07	0.5	11	14	9	2.08	0.18	20
2	1.13	0.5	8	14	10	1.9	0.21	20
2	2.38	0.5	8	13	9	2.14	0.14	30
2	1.56	0.5	12	16	15	2.26	0.17	30
2	1.33	0.5	9	17	17	2.16	0.16	30
2	0.88	0.5	9	15	3	2.2	0.08	20
2	0.83	0.5	9	17	3	2.28	0.14	30
2	0.55	0.5	10	19	4	2.46	0.09	20
2	0.66	0.5	9	17	2	2.29	0.14	20
2	0.48	0.5	9	19	2	2.75	0.11	20
2	0.45	0.5	9	17	1	2.48	0.09	20

2	0.36	0.5	9	16	1	2.59	0.09	20
2	0.5	0.5	9	18	1	2.45	0.08	30
2	0.5	0.5	10	17	3	2.48	0.11	30
2	0.54	0.5	10	17	2	2.42	0.1	20
2	0.51	0.5	9	15	1	2.19	0.1	30
2	0.45	0.5	9	16	1	2.5	0.09	20
2	0.43	0.5	9	17	2	2.65	0.07	20
2	0.36	0.5	8	17	1	2.54	0.09	20
2	0.29	0.5	7	18	1	2.86	0.06	20
2	0.29	0.5	6	18	2	2.73	0.06	20
2	0.27	0.5	7	15	3	2.88	0.13	10
3	0.18	0.5	17	7	14	3.36	0.22	10
6	0.15	0.6	19	7	49	4.07	0.24	10
2	0.19	0.5	17	7	16	3.57	0.24	10
2	0.43	0.5	4	18	2	2.68	0.06	30
2	0.31	0.5	8	15	2	2.84	0.06	20
2	0.39	0.5	7	22	3	2.94	0.05	20
2	0.42	0.5	5	19	2	2.84	0.05	30
2	0.22	0.5	12	11	12	3.27	0.18	10
2	0.26	0.5	11	9	6	2.72	0.13	10
2	0.25	0.5	9	15	2	2.82	0.11	20
2	0.33	0.5	6	18	2	3.03	0.07	20
2	0.42	0.5	15	18	2	3.6	0.12	20
2	0.22	0.5	6	17	1	3.11	0.07	30
2	1.69	0.5	10	19	2	3.6	0.03	30
4	0.3	0.5	20	19	12	5.97	0.02	20
2	0.47	0.5	11	20	1	4.11	0.02	30
2	0.7	0.5	10	19	2	2.7	0.07	20
2	0.36	0.5	7	16	1	2.5	0.09	20
2	0.47	0.5	10	16	2	2.81	0.07	20
2	0.31	0.5	12	15	3	2.9	0.11	10
2	0.27	0.5	14	14	5	3.19	0.17	10
2	0.32	0.5	13	14	3	3.12	0.14	20
2	0.47	0.5	12	14	6	2.9	0.15	30
2	1.83	0.5	8	18	2	2.74	0.11	30
2	2.06	0.5	9	17	14	2.41	0.1	30
2	2.41	0.5	11	12	12	2.37	0.22	20
2	1.74	0.5	11	9	14	2.4	0.22	20
2	2.59	0.5	10	14	9	2.31	0.2	30
3	2.16	0.5	9	15	3	2.37	0.16	30
2	1.66	0.5	10	16	6	2.27	0.13	30
2	1.93	0.5	9	15	7	2.36	0.11	30
2	2.19	0.5	9	16	18	2.42	0.15	30
2	2.18	0.5	9	15	9	2.26	0.17	30
2	2.75	0.5	9	9	11	2.22	0.23	30
2	3.93	0.5	11	9	15	3.3	0.17	20
2	2.15	0.5	9	14	7	2.31	0.13	30

2	1.8	0.5	9	17	6	2.3	0.14	30
2	1.53	0.5	6	13	6	1.81	0.1	30
2	2.39	0.5	12	15	59	2.34	0.12	30
3	2.11	0.5	9	16	10	2.39	0.11	30
2	2.56	0.5	10	14	36	2.27	0.19	30
2	2.26	0.5	10	16	4	2.42	0.12	30
2	2.58	0.5	13	13	35	2.77	0.22	30
2	2.36	0.5	10	17	6	2.68	0.14	30
2	2.68	0.5	8	13	9	2.31	0.17	30
2	2.2	0.5	9	15	6	2.42	0.14	30
2	2.26	0.5	10	14	7	2.38	0.15	30
3	2.09	0.5	9	15	6	2.41	0.15	30
2	2.1	0.5	8	16	6	2.42	0.11	30
2	2.3	0.5	9	17	6	2.56	0.13	30
2	3.24	0.5	10	12	6	2.56	0.18	30
2	2.52	0.5	9	16	6	2.64	0.13	30
2	2.25	0.5	8	15	8	2.64	0.12	30
2	2.8	0.5	10	13	5	2.6	0.16	20
2	2.66	0.5	9	11	4	2.57	0.14	20
2	2.67	0.5	10	4	14	2.45	0.17	10
2	2.5	0.5	9	6	14	2.58	0.22	20
2	2.56	0.5	14	5	129	3.35	0.16	10
2	3.11	0.5	11	8	19	2.74	0.17	20
2	3.42	0.5	11	6	25	2.78	0.21	20
2	2.71	0.5	9	9	14	2.65	0.15	20
2	2.74	0.5	11	12	13	2.83	0.19	20
2	4.29	0.5	10	5	21	2.86	0.23	10
2	4.04	0.5	11	4	22	2.44	0.23	10
2	2.58	0.5	9	10	11	2.9	0.21	20
2	2.48	0.5	10	15	7	2.85	0.17	30
2	2.29	0.5	8	15	4	2.21	0.4	30
3	5.26	0.5	38	94	103	5.26	1.5	50
2	4.86	0.5	77	203	137	9.72	1.65	60
3	3.71	0.5	34	117	76	4.81	1.24	50
2	1.76	0.5	6	12	14	1.13	0.28	30
2	1.59	0.5	9	15	7	2.2	0.3	30
2	2.74	0.5	10	12	31	1.83	0.24	30
2	3.4	0.5	11	11	2	2.96	0.15	30
2	1.62	0.5	9	15	9	2.1	0.19	30
2	1.53	0.5	9	14	10	2.07	0.29	30
2	3.72	0.5	11	11	26	2.33	0.2	20
2	1.88	0.5	8	15	6	2.16	0.23	10
2	1.87	0.5	9	12	19	1.92	0.3	20
2	2.03	0.5	9	16	8	2.34	0.21	30
2	1.93	0.5	8	16	12	2.04	0.22	30
2	2.72	0.5	5	13	2	2.08	0.15	30
2	1.75	0.5	9	17	10	2.13	0.29	30

2	2.13	0.5	11	15	12	2.44	0.15	20
2	1.95	0.5	10	15	6	2.04	0.27	30
2	2.77	0.5	11	14	13	2.15	0.16	30
2	3.15	0.5	7	11	7	1.54	0.26	30
2	1.45	0.5	10	17	7	2.31	0.17	30
2	1.86	0.5	6	13	12	2.53	0.17	20
2	2.52	0.5	6	12	13	1.76	0.21	20
2	2.57	0.5	8	11	21	2.2	0.23	150
2	2.45	0.5	8	15	5	2.24	0.18	20
2	2.84	0.5	14	14	29	3.21	0.17	70
2	2.19	0.5	9	17	13	2.43	0.15	30
3	2.1	0.5	9	17	68	2.32	0.14	30
2	2.09	0.5	10	17	9	2.39	0.15	30
2	5.59	0.5	5	9	4	1.5	0.1	20
2	1.65	0.5	10	17	39	4.42	0.13	550
2	2.11	0.5	9	17	8	2.37	0.11	30
2	1.87	0.5	10	17	5	2.49	0.11	30
3	2.48	0.5	9	14	7	2.42	0.16	30
2	2.25	0.5	9	15	8	2.48	0.14	50
2	2.44	0.5	10	9	20	1.98	0.23	20
2	2.39	0.5	11	12	12	2.42	0.19	30
2	2.12	0.5	10	16	4	2.48	0.12	30
2	1.96	0.5	9	16	6	2.36	0.13	30
2	2.48	0.5	9	14	10	2.36	0.17	30
2	2.41	0.5	9	17	10	2.49	0.14	30
2	2.93	0.5	10	13	14	2.35	0.21	30
2	2.77	0.5	8	13	13	2.34	0.18	20
2	2.82	0.5	10	13	7	2.28	0.2	30
2	2.89	0.5	9	12	6	2.29	0.19	30
2	2.79	0.5	9	7	15	2.06	0.23	20
2	2.33	0.5	9	12	23	2.32	0.16	20
2	2.42	0.5	9	15	8	2.46	0.15	30
2	2.85	0.5	10	14	4	2.72	0.15	30
2	1.84	0.5	11	20	18	1.9	0.15	20
2	2.51	0.5	8	16	176	2.25	0.13	30
2	1.92	0.5	9	14	15	2.38	0.14	30
2	2.14	0.5	10	15	9	2.4	0.16	20
2	2.42	0.5	9	14	5	2.24	0.13	30
2	2.48	0.5	9	14	10	2.3	0.17	30
2	2.63	0.5	8	13	8	2.18	0.16	30
2	2.6	0.5	9	14	5	2.22	0.17	30
2	2.67	0.5	9	14	9	2.18	0.17	30
2	2.48	0.5	10	13	21	2.22	0.16	30
2	3.03	0.5	8	8	7	1.62	0.15	20
2	2.47	0.5	9	13	18	2.33	0.16	40
2	2.22	0.5	12	11	130	2.26	0.17	30
2	2.24	0.5	9	13	66	2.36	0.16	30

2	2.37	0.5	9	11	16	2.54	0.19	70
2	2.45	0.5	8	13	47	2.21	0.15	30
3	2.04	0.5	11	7	314	2.33	0.2	30
2	3.02	0.5	10	14	194	2.46	0.18	30
2	0.89	0.5	3	4	9	0.58	0.19	20
2	1.77	0.5	5	10	20	1.42	0.14	30
2	2.72	0.5	15	11	387	2.59	0.16	20
2	2.13	0.5	13	11	261	3.78	0.14	40
2	1.74	0.5	10	14	41	2.31	0.17	70
2	1.66	0.5	16	13	1880	3.25	0.18	10
2	1.56	0.5	9	14	157	2.43	0.15	90
2	2.26	0.5	10	15	19	2.31	0.13	30
2	1.1	0.5	9	15	10	2.1	0.31	30
2	1.2	0.5	10	15	8	2.19	0.16	20
2	0.56	0.5	10	18	2	2.49	0.1	30
2	0.42	0.5	10	19	2	2.65	0.09	20
2	0.47	0.5	9	18	1	2.49	0.08	40
2	0.67	0.5	15	15	186	3.23	0.08	20
2	0.83	0.5	10	15	7	2.39	0.12	20
2	2.4	0.5	11	14	15	2.54	0.21	20
2	1.59	0.5	9	8	50	1.61	0.22	40
2	2.32	0.5	8	11	12	2.08	0.2	30
2	2.15	0.5	9	10	13	1.8	0.19	30
2	2.06	0.5	8	10	20	1.73	0.23	30
2	2.88	0.5	9	13	147	2.14	0.15	30
2	7.8	0.5	8	4	4	2.5	0.12	10
2	2.58	0.5	9	14	12	2.35	0.15	30
2	3.79	0.5	8	7	9	2.26	0.18	30
2	2.56	0.5	17	12	27	2.4	0.16	30
2	2.64	0.5	8	11	12	2.02	0.15	30
2	1	0.5	16	6	16	6.18	0.21	10
3	1.64	0.5	8	13	9	1.89	0.15	30
2	1.75	0.5	8	15	32	1.96	0.15	30
2	2.26	0.5	8	9	24	1.63	0.21	30
2	1.74	0.5	10	14	15	2.09	0.16	30
2	1.14	0.5	16	24	111	2.72	0.93	20
2	0.83	0.5	9	13	18	1.73	0.61	40
2	1.33	0.5	10	14	13	1.93	0.35	30
2	1.35	0.5	10	15	9	2.1	0.41	30
2	3.52	0.5	6	7	18	2	0.13	30

MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM
0.85	359	1	0.043	17	0.066	2	2	0
0.91	421	1	0.085	19	0.064	3	2	0
0.93	483	1	0.044	19	0.066	3	2	0
0.76	546	1	0.059	14	0.066	7	2	0
0.96	518	1	0.042	17	0.071	3	2	0
0.96	531	1	0.051	19	0.071	2	2	0
1.02	509	1	0.034	18	0.068	7	2	0
0.95	486	1	0.045	16	0.068	7	2	0
0.48	683	1	0.021	18	0.081	3	2	0
0.47	537	1	0.043	10	0.068	2	2	0
0.29	362	1	0.039	12	0.071	3	2	0
0.86	523	1	0.073	15	0.067	3	2	0
0.89	567	1	0.048	13	0.065	2	2	0
0.88	551	1	0.052	13	0.067	2	2	0
0.82	483	1	0.043	14	0.064	2	3	0
0.73	593	2	0.03	16	0.073	2	2	0
0.91	754	1	0.018	21	0.1	4	2	0
0.79	455	2	0.045	13	0.064	3	2	0
0.83	415	1	0.05	14	0.065	2	2	0
0.79	538	1	0.046	13	0.065	2	2	0
0.89	440	1	0.05	17	0.07	2	2	0
0.75	424	1	0.044	16	0.066	2	2	0
0.79	433	1	0.038	15	0.065	2	2	0
0.82	376	1	0.049	16	0.067	3	2	0
0.65	495	1	0.03	9	0.072	4	2	0
0.5	520	2	0.048	12	0.074	2	2	0
0.78	409	1	0.049	15	0.065	2	2	0
0.81	484	1	0.04	12	0.068	2	2	0
0.86	465	1	0.047	15	0.068	3	2	0
0.94	473	1	0.048	17	0.073	2	2	0
0.7	481	1	0.042	17	0.067	2	2	0
0.86	476	1	0.046	16	0.072	3	2	0
0.39	340	41	0.018	11	0.052	23	2	0
0.63	504	1	0.032	14	0.061	2	3	0
0.83	526	1	0.052	15	0.067	3	2	0
0.8	419	1	0.046	16	0.065	2	2	0
0.78	396	1	0.045	13	0.063	2	2	0
0.64	375	1	0.032	12	0.064	6	2	0
0.58	356	1	0.031	13	0.063	9	2	0
0.59	423	2	0.021	16	0.068	13	2	0
0.68	460	1	0.037	15	0.068	5	2	0
0.78	389	1	0.042	13	0.067	3	2	0
0.84	467	1	0.045	14	0.068	2	2	0
0.84	409	1	0.037	14	0.071	2	3	0
0.83	411	1	0.041	15	0.076	2	2	0
0.88	435	1	0.045	17	0.079	2	2	0

0.79	436	1	0.046	14	0.066	2	2	0
0.44	409	1	0.033	14	0.068	2	2	0
1.3	548	1	0.032	36	0.091	2	2	0
0.34	569	1	0.04	18	0.081	2	2	0
2.49	856	1	0.016	141	0.171	4	4	0
0.94	396	1	0.039	18	0.065	4	2	0
2.71	656	1	0.034	100	0.14	3	3	0
0.88	476	1	0.041	14	0.071	3	2	0
0.82	475	3	0.029	11	0.087	2	2	0
0.77	490	1	0.032	8	0.071	2	2	0
0.78	477	44	0.031	8	0.069	2	2	0
0.82	404	3	0.051	16	0.067	2	2	0
0.79	409	2	0.041	15	0.068	2	2	0
0.69	510	2	0.034	11	0.064	2	2	0
0.8	482	2	0.038	14	0.068	2	2	0
0.91	401	2	0.054	15	0.068	2	2	0
0.93	389	1	0.05	15	0.071	3	2	0
2.19	213	1	0.06	17	0.075	2	2	0
1.77	270	2	0.043	16	0.077	2	2	0
1.02	366	1	0.05	14	0.066	2	2	0
0.74	395	6	0.037	15	0.068	2	2	0
0.77	387	2	0.035	14	0.07	2	2	0
0.87	412	1	0.06	14	0.067	2	2	0
0.37	219	1	0.043	5	0.043	2	2	0
0.34	210	1	0.041	4	0.043	2	2	0
0.28	180	1	0.036	5	0.042	2	2	0
0.29	194	1	0.034	5	0.04	2	2	0
0.33	204	1	0.036	5	0.042	2	2	0
0.87	477	1	0.059	15	0.064	2	2	0
0.81	484	15	0.06	15	0.066	2	2	0
0.86	402	1	0.055	14	0.067	2	2	0
0.78	415	3	0.051	14	0.067	2	2	0
0.74	435	2	0.038	11	0.07	2	2	0
0.78	499	2	0.034	9	0.07	2	2	0
0.75	476	1	0.034	10	0.068	2	2	0
0.84	443	1	0.027	11	0.061	2	2	0
0.91	328	1	0.023	11	0.045	2	2	0
0.91	440	1	0.05	12	0.063	2	2	0
0.87	429	1	0.047	12	0.066	2	2	0
0.81	469	1	0.057	12	0.064	2	2	0
0.82	438	1	0.053	14	0.068	2	2	0
0.71	420	1	0.051	13	0.064	2	2	0
0.77	440	1	0.047	14	0.066	2	2	0
0.9	461	1	0.058	15	0.069	2	2	0
0.74	452	1	0.037	13	0.067	2	2	0
0.7	424	1	0.042	12	0.063	2	2	0
0.87	477	1	0.045	14	0.077	2	2	0

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0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0.99	272	1	0.058	15	0.058	3	2	0
1.67	209	1	0.074	17	0.062	2	2	0
0.69	397	1	0.055	14	0.065	3	2	0
0.54	391	1	0.044	13	0.054	2	2	0
0.59	382	1	0.039	15	0.058	7	5	0
0.81	581	1	0.073	18	0.064	3	2	0
0.78	417	1	0.053	15	0.063	2	2	0
0.73	436	1	0.056	15	0.058	2	2	0
0.93	431	1	0.058	23	0.068	2	2	0
0.84	488	1	0.063	16	0.056	2	2	0
0.6	441	1	0.04	16	0.057	2	2	0
0.64	409	1	0.052	15	0.059	2	2	0
0.71	457	1	0.056	15	0.062	2	2	0
0.67	406	1	0.055	14	0.056	2	2	0
0.48	321	1	0.078	10	0.044	3	2	0
0.7	421	1	0.057	14	0.061	2	2	0
0.71	416	1	0.066	15	0.06	2	2	0
0.68	389	1	0.049	15	0.059	2	2	0
0.95	381	1	0.077	16	0.06	2	2	0
1.13	372	1	0.109	16	0.059	2	2	0
0.9	446	1	0.084	18	0.065	2	2	0
0.85	453	1	0.082	16	0.058	2	2	0
0.79	411	1	0.073	17	0.061	3	2	0
0.62	471	1	0.056	15	0.058	2	2	0
0.79	389	1	0.08	16	0.06	2	2	0
0.84	388	1	0.087	17	0.058	2	2	0
0.85	392	1	0.077	17	0.057	2	2	0
0.78	392	1	0.063	16	0.059	3	2	0
0.7	409	1	0.055	15	0.058	2	2	0
0.69	394	1	0.06	15	0.061	2	2	0
0.6	393	1	0.044	14	0.058	2	2	0

0.65	390	1	0.055	14	0.058	2	2	0
0.77	396	1	0.07	16	0.061	2	2	0
0.75	408	1	0.063	16	0.062	2	2	0
0.71	427	1	0.046	15	0.082	2	2	0
0.57	389	1	0.05	14	0.058	3	2	0
0.55	397	1	0.028	14	0.063	2	2	0
1.17	656	2	0.101	29	0.07	2	2	0
0.74	433	1	0.07	15	0.06	2	2	0
0.72	444	1	0.057	16	0.064	2	2	0
0.73	451	1	0.052	15	0.06	2	2	0
0.66	540	1	0.057	15	0.06	2	2	0
0.45	406	1	0.047	14	0.06	2	2	0
0.45	327	5	0.054	16	0.05	4	2	0
0.75	264	1	0.075	18	0.065	3	2	0
0.67	305	31	0.074	15	0.06	2	2	0
0.65	362	1	0.076	15	0.058	2	2	0
0.69	414	1	0.072	14	0.056	2	2	0
0.74	413	1	0.079	13	0.057	2	2	0
0.78	423	1	0.082	15	0.059	2	2	0
0.71	432	1	0.061	12	0.06	2	2	0
0.69	518	1	0.049	13	0.054	3	2	0
0.63	487	1	0.036	15	0.06	3	2	0
0.74	415	1	0.07	16	0.059	2	2	0
0.68	497	1	0.079	16	0.059	3	2	0
0.78	430	1	0.058	20	0.06	2	2	0
0.78	461	1	0.06	18	0.059	2	2	0
0.74	403	1	0.057	17	0.059	2	2	0
0.66	426	1	0.062	15	0.056	2	2	0
0.65	432	1	0.052	12	0.058	2	2	0
0.65	371	2	0.045	15	0.061	2	2	0
0.72	405	1	0.07	15	0.058	2	2	0
0.75	399	1	0.057	15	0.059	3	2	0
0.73	405	1	0.059	16	0.059	3	2	0
0.92	432	16	0.058	19	0.066	2	2	0
0.65	435	1	0.061	15	0.059	2	2	0
0.7	431	3	0.04	14	0.063	3	2	0
0.65	565	1	0.034	16	0.065	3	2	0
0.61	340	1	0.033	14	0.061	7	2	0
0.81	570	1	0.05	16	0.071	2	2	0
0.79	440	1	0.068	16	0.062	3	2	0
0.76	445	1	0.056	17	0.061	2	2	0
0.66	431	1	0.043	15	0.059	31	2	0
0.81	432	1	0.067	18	0.063	2	3	0
0.81	423	1	0.067	16	0.062	3	2	0
0.77	452	1	0.048	15	0.06	3	2	0
0.8	437	1	0.064	16	0.062	3	2	0
0.83	368	1	0.066	14	0.059	3	2	0

0.81	422	1	0.063	18	0.063	6	2	0
0.8	430	1	0.057	16	0.06	2	2	0
0.76	482	1	0.058	18	0.06	2	2	0
0.78	408	1	0.06	13	0.063	2	2	0
0.77	414	1	0.052	13	0.065	2	2	0
0.78	468	1	0.067	11	0.06	2	2	0
0.77	455	1	0.044	11	0.063	4	2	0
0.77	483	1	0.051	11	0.057	4	2	0
0.84	463	1	0.062	15	0.062	2	2	0
0.94	566	1	0.061	12	0.068	3	2	0
0.81	430	1	0.082	12	0.062	2	2	0
0.8	531	1	0.049	12	0.061	7	2	0
0.71	462	1	0.056	11	0.061	2	2	0
0.79	422	1	0.075	13	0.063	2	2	0
0.75	440	1	0.045	10	0.062	2	2	0
0.76	445	1	0.074	12	0.058	2	2	0
0.8	465	1	0.039	10	0.062	2	2	0
0.78	458	1	0.041	11	0.059	4	2	0
0.97	518	1	0.061	16	0.061	2	2	0
0.77	428	1	0.035	12	0.06	2	2	0
0.81	367	1	0.084	13	0.062	2	2	0
0.69	427	1	0.052	13	0.069	2	2	0
0.75	408	1	0.052	13	0.062	2	2	0
0.75	405	1	0.051	13	0.068	2	2	0
0.72	366	1	0.044	12	0.059	2	2	0
0.79	385	1	0.064	11	0.063	2	2	0
0.85	392	1	0.088	13	0.061	2	2	0
0.79	424	1	0.077	12	0.063	2	2	0
0.76	389	1	0.053	12	0.061	2	2	0
0.72	302	1	0.075	12	0.056	2	2	0
0.57	239	1	0.086	7	0.045	2	2	0
0.39	158	1	0.081	4	0.037	2	2	0
0.42	138	1	0.083	4	0.038	2	2	0
0.34	142	1	0.091	6	0.036	2	2	0
0.45	133	1	0.092	5	0.038	2	2	0
0.47	165	1	0.102	5	0.038	2	2	0
0.5	170	1	0.091	6	0.04	2	2	0
0.49	164	1	0.09	5	0.04	3	2	0
0.47	175	1	0.09	4	0.039	2	2	0
0.42	164	1	0.083	6	0.039	2	2	0
0.42	153	1	0.084	6	0.039	2	2	0
0.43	174	1	0.089	4	0.038	2	2	0
0.6	262	1	0.09	11	0.048	2	2	0
0.78	410	1	0.07	15	0.059	2	2	0
0.89	434	1	0.075	19	0.064	4	2	0
0.56	352	1	0.064	11	0.045	3	2	0
0.86	418	1	0.075	16	0.062	4	2	0

0.77	442	1	0.066	15	0.058	3	2	0
0.83	419	1	0.077	23	0.062	2	2	0
0.66	444	1	0.065	11	0.051	2	2	0
0.8	456	1	0.078	17	0.063	2	2	0
0.68	470	1	0.091	14	0.056	2	2	0
0.78	446	1	0.073	16	0.06	2	2	0
0.73	457	1	0.055	14	0.062	3	2	0
0.68	470	1	0.127	16	0.06	2	2	0
0.76	457	1	0.075	15	0.06	3	2	0
0.83	433	1	0.07	17	0.074	2	2	0
0.75	454	1	0.06	20	0.061	8	2	0
0.74	512	1	0.048	14	0.062	2	2	0
0.68	469	1	0.049	14	0.063	2	2	0
0.97	380	1	0.076	18	0.074	2	2	0
1.07	454	1	0.09	19	0.073	2	2	0
0.88	372	1	0.05	15	0.063	2	2	0
0.87	462	1	0.046	17	0.066	2	2	0
0.63	396	1	0.062	15	0.064	2	2	0
0.77	398	1	0.056	14	0.059	2	2	0
0.73	455	1	0.075	14	0.058	2	2	0
0.77	484	1	0.102	17	0.062	7	2	0
0.75	466	1	0.057	14	0.058	2	2	0
0.8	510	1	0.063	16	0.059	3	2	0
0.76	459	1	0.064	16	0.06	2	2	0
0.7	496	1	0.06	12	0.057	2	2	0
0.63	468	1	0.062	13	0.06	5	2	0
1.02	458	1	0.081	17	0.077	2	2	0
0.71	346	1	0.076	11	0.063	2	2	0
0.72	307	1	0.077	14	0.062	5	2	0
0.81	382	1	0.113	14	0.062	2	2	0
0.85	379	1	0.061	13	0.059	2	2	0
0.61	482	1	0.073	11	0.062	2	2	0
0.55	497	1	0.07	11	0.058	3	2	0
0.61	478	1	0.06	15	0.06	2	2	0
0.85	397	1	0.062	17	0.061	2	2	0
1.53	542	1	0.109	21	0.081	2	2	0
1.6	528	2	0.053	24	0.095	2	2	0
1.54	507	8	0.11	24	0.094	6	2	0
1.5	187	1	0.059	14	0.061	2	2	0
2.01	187	2	0.028	13	0.067	2	2	0
1.75	200	1	0.051	15	0.066	2	2	0
0.87	333	3	0.031	13	0.072	2	2	0
0.5	380	12	0.026	10	0.051	36	2	0
0.66	369	2	0.042	14	0.066	2	2	0
0.76	422	2	0.055	13	0.064	2	2	0
0.69	412	1	0.063	15	0.065	2	2	0
0.45	296	1	0.051	8	0.046	3	2	0

0.26	238	1	0.067	5	0.034	3	2	0
0.21	269	1	0.055	4	0.032	3	2	0
0.5	352	1	0.047	9	0.056	2	2	0
0.69	460	1	0.05	10	0.063	2	2	0
0.75	455	1	0.057	15	0.069	2	2	0
0.69	376	1	0.056	13	0.064	3	2	0
0.71	486	1	0.057	13	0.065	2	2	0
0.83	393	2	0.056	13	0.064	2	2	0
0.77	378	2	0.053	14	0.066	2	2	0
0.77	416	4	0.045	13	0.064	2	2	0
0.38	212	1	0.042	8	0.047	2	2	0
0.3	127	1	0.052	5	0.034	2	2	0
0.33	139	1	0.05	4	0.036	2	2	0
0.39	152	1	0.056	4	0.037	2	2	0
0.4	147	1	0.05	5	0.037	2	2	0
0.39	153	1	0.055	4	0.035	2	2	0
0.42	151	1	0.052	5	0.036	2	2	0
0.42	150	1	0.06	5	0.037	3	2	0
0.43	143	1	0.052	7	0.036	2	2	0
0.42	148	1	0.051	4	0.037	2	2	0
0.36	153	1	0.055	5	0.038	2	2	0
0.39	150	1	0.056	4	0.035	2	2	0
0.67	298	1	0.053	11	0.053	3	2	0
0.82	462	5	0.051	14	0.068	3	2	0
0.83	267	2	0.058	13	0.067	2	2	0
0.96	194	11	0.048	13	0.065	3	2	0
0.98	209	1	0.068	15	0.067	3	2	0
0.86	456	1	0.051	15	0.063	2	2	0
0.74	474	1	0.05	11	0.059	6	2	0
0.67	426	1	0.045	9	0.061	5	2	0
0.45	407	1	0.047	9	0.064	6	2	0
1.02	313	1	0.066	69	0.091	4	2	0
0.69	406	1	0.047	10	0.063	2	2	0
0.68	414	1	0.043	10	0.059	2	2	0
0.65	402	1	0.037	11	0.06	4	2	0
0.75	399	1	0.041	11	0.061	3	2	0
0.86	384	1	0.044	13	0.062	4	2	0
0.94	350	1	0.047	19	0.064	5	2	0
0.87	391	1	0.049	18	0.062	2	2	0
0.85	343	1	0.063	18	0.065	3	2	0
0.78	499	1	0.029	12	0.064	4	2	0
1.03	470	1	0.059	21	0.075	4	2	0
0.69	392	1	0.033	10	0.063	2	2	0
0.32	224	1	0.064	6	0.033	5	2	0
0.77	486	1	0.035	15	0.069	2	2	0
0.89	496	1	0.05	21	0.073	2	2	0
0.7	395	1	0.058	14	0.069	2	2	0

0.59	414	1	0.038	12	0.064	2	2	0
0.76	430	1	0.04	13	0.066	2	2	0
0.75	397	1	0.052	12	0.064	2	2	0
0.44	219	1	0.046	7	0.045	2	2	0
0.8	354	1	0.056	14	0.065	2	2	0
0.72	351	4	0.035	12	0.063	2	2	0
0.78	342	1	0.047	9	0.067	2	2	0
0.6	329	1	0.059	8	0.056	2	2	0
1	523	1	0.068	15	0.081	2	2	0
1.09	537	1	0.053	16	0.079	2	2	0
0.84	437	1	0.067	13	0.072	2	2	0
0.76	341	1	0.052	12	0.067	2	2	0
0.77	376	1	0.049	15	0.069	2	2	0
0.83	356	1	0.053	14	0.07	2	2	0
0.77	388	1	0.064	14	0.072	2	2	0
1.01	339	2	0.052	12	0.071	2	2	0
0.59	319	1	0.057	10	0.065	2	2	0
0.41	186	1	0.068	6	0.043	2	2	0
0.4	178	1	0.069	5	0.04	2	2	0
0.53	206	1	0.091	6	0.045	2	2	0
0.82	243	1	0.096	9	0.055	2	2	0
1.09	401	1	0.062	15	0.079	2	2	0
1.12	382	1	0.079	18	0.09	2	2	0
1.06	497	1	0.119	16	0.076	2	3	0
1.27	646	1	0.059	16	0.079	2	2	0
1.78	314	1	0.049	23	0.105	2	2	0
1.07	261	1	0.072	15	0.092	2	2	0
2.95	634	1	0.035	156	0.181	2	3	0
0.7	305	1	0.065	13	0.066	2	2	0
0.85	409	2	0.051	13	0.071	2	2	0
0.82	490	1	0.053	14	0.067	2	2	0
0.72	437	1	0.061	12	0.064	2	2	0
0.66	477	1	0.044	9	0.06	2	2	0
0.78	535	1	0.054	14	0.069	2	2	0
0.79	424	2	0.044	14	0.067	2	2	0
0.81	513	2	0.057	12	0.066	2	2	0
0.87	454	1	0.054	19	0.071	2	2	0
0.9	514	1	0.067	17	0.068	2	2	0
0.83	422	1	0.045	15	0.068	2	2	0
0.83	428	4	0.063	15	0.066	2	2	0
0.68	489	1	0.034	11	0.069	2	2	0
0.74	416	1	0.031	12	0.064	5	2	0
0.73	427	2	0.045	11	0.067	3	2	0
0.97	524	1	0.041	15	0.066	3	2	0
2.67	627	2	0.031	83	0.134	3	2	0
0.78	457	4	0.058	11	0.069	2	2	0
0.73	411	3	0.033	9	0.059	2	2	0

0.86	327	1	0.054	13	0.073	2	2	0
0.81	323	1	0.047	14	0.07	2	2	0
0.92	371	1	0.067	12	0.112	2	2	0
0.83	294	1	0.049	13	0.068	2	2	0
0.68	269	3	0.053	14	0.056	2	2	0
0.9	304	1	0.05	16	0.069	2	2	0
1.02	592	1	0.072	20	0.073	2	2	0
0.79	436	1	0.073	14	0.061	2	2	0
0.76	438	1	0.058	14	0.041	2	2	0
0.81	331	1	0.054	16	0.062	3	2	0
0.86	354	1	0.073	15	0.058	2	2	0
0.74	394	1	0.06	16	0.061	5	2	0
0.88	377	1	0.081	16	0.06	3	2	0
0.87	374	1	0.073	15	0.061	2	2	0
0.97	398	1	0.073	17	0.064	2	2	0
0.89	405	1	0.073	16	0.062	2	2	0
0.79	406	1	0.061	14	0.059	2	2	0
0.67	386	1	0.051	13	0.058	4	2	0
0.75	410	1	0.085	13	0.052	3	2	0
0.9	372	1	0.09	17	0.061	3	2	0
0.94	387	1	0.081	17	0.063	2	2	0
0.77	405	1	0.1	16	0.064	2	2	0
0.92	430	1	0.15	17	0.063	4	2	0
0.58	372	1	0.063	15	0.056	8	2	0
0.96	409	1	0.116	18	0.064	2	2	0
0.62	371	1	0.118	10	0.046	3	2	0
0.97	460	1	0.096	18	0.061	2	2	0
0.82	408	1	0.098	15	0.06	2	2	0
1.71	708	1	0.096	28	0.048	2	2	0
0.93	411	1	0.098	15	0.058	2	2	0
1	475	1	0.102	17	0.058	2	2	0
0.54	360	1	0.083	10	0.045	2	2	0
0.95	408	1	0.101	17	0.06	2	2	0
0.85	395	1	0.118	16	0.06	3	2	0
0.85	376	1	0.115	17	0.061	4	2	0
0.94	437	1	0.094	15	0.061	2	2	0
0.96	360	9	0.107	17	0.065	6	2	0
0.92	400	1	0.098	17	0.063	2	2	0
0.89	421	1	0.103	15	0.061	2	2	0
1.27	480	1	0.114	20	0.075	2	2	0
1.33	467	1	0.139	22	0.076	2	2	0
0.87	423	1	0.138	16	0.059	2	2	0
0.87	402	14	0.079	17	0.065	2	2	0
0.92	446	1	0.108	18	0.066	2	2	0
0.95	411	1	0.11	17	0.063	2	2	0
1.25	456	1	0.098	21	0.083	2	2	0
1.49	512	1	0.148	17	0.064	2	2	0

1.04	425	1	0.106	17	0.062	2	2	0
0.95	417	1	0.1	17	0.062	2	2	0
0.86	424	1	0.118	16	0.06	2	2	0
1.01	394	1	0.124	15	0.06	2	2	0
1	377	1	0.096	16	0.062	4	2	0
1.02	453	7	0.097	18	0.064	2	2	0
0.96	426	1	0.092	16	0.061	2	2	0
0.74	393	1	0.101	13	0.055	4	3	0
0.92	394	1	0.073	16	0.065	3	2	0
0.94	397	1	0.094	16	0.064	2	2	0
0.91	403	1	0.109	16	0.064	2	2	0
0.9	383	1	0.081	15	0.064	2	2	0
0.98	428	1	0.081	18	0.069	2	2	0
0.91	373	1	0.079	16	0.064	2	2	0
0.84	403	1	0.089	15	0.062	4	2	0
0.83	441	1	0.085	14	0.06	2	2	0
0.9	466	1	0.09	16	0.062	3	2	0
0.9	441	1	0.09	16	0.063	2	2	0
0.82	396	1	0.076	16	0.063	2	2	0
0.91	409	1	0.092	16	0.063	2	2	0
0.82	458	1	0.093	14	0.063	2	2	0
0.71	424	1	0.072	14	0.06	2	2	0
0.77	387	1	0.092	16	0.064	2	2	0
0.71	424	1	0.081	15	0.063	4	2	0
0.7	350	1	0.075	16	0.068	2	2	0
0.77	429	1	0.082	15	0.062	2	2	0
0.91	402	1	0.084	17	0.065	3	2	0
0.87	462	1	0.095	17	0.065	4	2	0
0.75	394	1	0.084	15	0.06	2	2	0
0.83	489	1	0.081	15	0.064	3	2	0
0.82	395	1	0.087	16	0.062	4	2	0
0.86	445	1	0.095	17	0.065	3	2	0
0.78	423	1	0.096	16	0.062	2	2	0
0.72	391	1	0.075	16	0.062	2	2	0
0.73	438	1	0.07	14	0.061	2	2	0
0.71	394	1	0.079	15	0.061	2	2	0
0.81	518	1	0.075	14	0.058	2	2	0
0.77	445	1	0.078	14	0.059	2	2	0
0.77	370	1	0.072	16	0.064	2	2	0
0.73	429	1	0.069	15	0.061	2	2	0
0.69	429	1	0.067	14	0.062	2	2	0
0.67	390	1	0.062	14	0.062	3	2	0
0.6	342	1	0.056	14	0.064	2	2	0
0.77	441	1	0.075	17	0.057	2	2	0
0.69	149	2	0.055	12	0.05	2	2	0
0.96	356	1	0.055	19	0.064	2	2	0
0.95	321	1	0.062	20	0.063	2	2	0

0.93	349	1	0.051	19	0.063	2	2	0
0.91	369	1	0.054	19	0.064	2	2	0
0.84	380	1	0.052	17	0.062	2	2	0
1.12	445	4	0.074	25	0.068	2	2	0
0.91	370	1	0.061	19	0.061	2	2	0
0.89	398	1	0.068	19	0.063	2	2	0
0.75	376	1	0.05	17	0.061	3	2	0
1.05	445	1	0.058	27	0.069	2	2	0
0.85	430	1	0.064	17	0.063	2	2	0
0.84	393	1	0.062	17	0.061	2	2	0
0.77	417	1	0.049	17	0.061	2	2	0
0.87	430	1	0.068	19	0.063	2	2	0
0.79	428	1	0.056	18	0.064	3	2	0
0.91	392	1	0.056	18	0.063	2	2	0
0.87	408	1	0.067	19	0.062	3	2	0
0.64	372	1	0.034	14	0.062	2	2	0
0.89	403	1	0.052	19	0.063	2	2	0
0.87	408	1	0.05	19	0.062	2	2	0
0.79	403	1	0.044	16	0.061	2	2	0
0.88	435	1	0.061	21	0.066	2	2	0
0.78	472	1	0.035	17	0.07	2	2	0
0.67	317	1	0.038	15	0.063	5	2	0
0.9	406	1	0.064	18	0.063	2	2	0
1.35	358	1	0.114	24	0.08	2	2	0
1.07	465	1	0.063	21	0.07	2	2	0
0.92	458	1	0.066	19	0.065	2	2	0
0.9	435	1	0.061	20	0.064	2	2	0
0.8	402	1	0.06	17	0.059	2	2	0
0.88	402	1	0.063	19	0.063	2	2	0
0.81	356	1	0.042	17	0.065	2	2	0
0.91	434	1	0.064	19	0.064	2	2	0
0.88	406	1	0.063	18	0.062	2	2	0
0.89	421	1	0.064	19	0.064	2	2	0
0.81	274	1	0.078	14	0.057	2	2	0
1.06	497	1	0.186	20	0.056	2	2	0
1.01	516	1	0.246	22	0.063	2	2	0
0.58	169	1	0.086	5	0.046	2	2	0
0.54	172	1	0.073	6	0.045	2	2	0
0.49	192	1	0.059	5	0.045	2	2	0
0.66	233	1	0.079	9	0.043	2	2	0
0.45	182	1	0.056	5	0.043	11	2	0
0.46	155	1	0.066	5	0.044	2	2	0
0.43	143	1	0.066	5	0.044	2	2	0
0.5	161	1	0.068	4	0.045	2	2	0
0.54	156	1	0.058	4	0.047	3	2	0
0.53	154	1	0.062	4	0.049	2	2	0
0.48	152	7	0.066	5	0.045	2	2	0

0.45	150	7	0.058	3	0.044	2	2	0
0.48	153	6	0.067	4	0.045	2	2	0
0.44	146	5	0.061	4	0.042	2	2	0
0.44	156	4	0.06	4	0.042	2	2	0
0.54	169	2	0.083	7	0.065	2	2	0
0.5	147	1	0.069	7	0.05	3	2	0
0.43	141	1	0.052	4	0.043	2	2	0
0.55	191	1	0.063	7	0.048	2	2	0
0.96	384	1	0.062	21	0.066	2	2	0
0.93	374	1	0.07	18	0.064	2	2	0
1.26	443	1	0.069	45	0.093	2	2	0
0.91	413	1	0.069	20	0.067	2	2	0
0.6	296	1	0.042	21	0.064	5	2	0
0.83	380	1	0.049	19	0.065	3	2	0
0.99	435	1	0.06	20	0.066	3	2	0
0.79	383	1	0.066	20	0.067	2	2	0
0.79	401	1	0.034	17	0.064	2	2	0
0.92	484	1	0.042	19	0.065	2	2	0
0.85	408	1	0.039	19	0.068	2	2	0
0.94	414	1	0.042	20	0.067	2	2	0
0.86	400	1	0.039	18	0.065	2	2	0
0.76	430	1	0.035	18	0.064	3	2	0
0.87	416	1	0.046	20	0.063	2	2	0
0.85	444	1	0.051	17	0.061	2	2	0
1.11	549	1	0.051	28	0.071	4	2	0
0.03	79	1	0.037	1	0.002	2	2	0
0.08	84	1	0.032	1	0.007	2	2	0
1.24	829	1	0.064	11	0.089	2	2	0
0.9	454	1	0.058	17	0.065	4	2	0
0.87	443	1	0.049	17	0.063	2	2	0
0.79	335	1	0.043	16	0.055	3	2	0
0.89	383	1	0.04	19	0.065	2	2	0
1	464	1	0.033	23	0.083	4	2	0
0.93	308	1	0.045	19	0.063	2	2	0
1.01	377	1	0.054	20	0.071	2	2	0
0.63	402	1	0.027	16	0.067	3	2	0
1.03	359	1	0.071	21	0.063	2	2	0
0.87	388	1	0.051	18	0.063	2	2	0
0.94	440	1	0.048	19	0.065	2	2	0
0.98	406	1	0.059	21	0.065	2	2	0
1	414	1	0.055	22	0.068	2	2	0
1.53	479	1	0.058	44	0.088	3	2	0
1	435	1	0.085	20	0.067	3	2	0
3.13	573	1	0.077	126	0.181	7	2	0
0.91	426	1	0.073	21	0.066	2	2	0
0.92	417	1	0.066	20	0.064	2	2	0
0.88	418	1	0.071	19	0.067	2	2	0

0.81	438	1	0.054	19	0.063	2	2	0
0.66	463	1	0.039	14	0.06	3	2	0
0.91	421	1	0.067	18	0.063	2	2	0
0.97	410	1	0.046	21	0.069	2	2	0
0.88	410	1	0.06	19	0.065	2	2	0
0.81	386	2	0.043	18	0.066	2	2	0
0.77	743	52	0.039	17	0.051	2	2	0
0.87	398	12	0.045	17	0.068	2	2	0
0.72	383	1	0.044	16	0.061	2	2	0
0.76	330	10	0.054	19	0.07	2	2	0
0.91	408	1	0.05	19	0.064	2	2	0
0.65	406	1	0.043	20	0.068	2	2	0
0.32	338	1	0.04	8	0.065	6	2	0
0.6	455	1	0.051	19	0.066	4	2	0
0.87	428	1	0.058	19	0.063	2	2	0
0.9	394	1	0.054	20	0.066	2	2	0
0.92	418	1	0.055	21	0.069	2	2	0
0.92	404	1	0.054	19	0.065	2	2	0
1.18	692	1	0.03	47	1140	2	2	0
4.3	771	1	0.02	251	2730	2	2	0
0.48	262	1	0.03	17	720	3	2	0
0.33	446	1	0.03	16	720	3	2	0
0.4	362	1	0.03	17	820	4	2	0
0.43	282	1	0.03	16	750	2	2	0
0.54	260	1	0.04	16	740	2	2	0
0.64	336	1	0.03	16	700	2	2	0
0.6	267	1	0.03	16	690	3	2	0
0.52	262	1	0.04	13	620	3	2	0
0.68	392	1	0.04	14	800	2	2	0
0.76	594	1	0.03	13	1020	2	2	0
0.03	155	1	0.04	2	50	2	2	0
0.19	125	1	0.01	11	450	65	2	0
0.74	243	1	0.03	21	750	2	2	0
3.76	537	1	0.02	97	2030	3	2	0
2.5	311	1	0.03	18	670	2	2	0
2.19	269	1	0.03	17	710	2	2	0
1.99	259	2	0.03	16	730	2	2	0
1.77	208	2	0.02	14	680	4	2	0
3.45	344	1	0.03	34	660	2	2	0
0.82	286	1	0.03	17	760	2	2	0
0.67	349	1	0.02	14	720	2	2	0
0.78	228	1	0.02	19	720	2	2	0
0.99	246	1	0.02	28	980	2	2	0
0.73	308	1	0.03	15	720	2	2	0
0.73	315	1	0.03	15	760	2	2	0
0.59	335	1	0.02	12	630	2	2	0
0.91	315	1	0.02	16	720	2	2	0

0.92	315	1	0.03	17	720	2	2	0
0.84	333	1	0.03	16	710	2	2	0
0.9	330	1	0.03	17	710	2	2	0
1.02	356	1	0.03	19	720	2	2	0
0.78	334	1	0.03	15	690	2	2	0
0.74	378	1	0.03	15	700	2	2	0
0.7	391	1	0.03	15	680	2	2	0
0.72	274	1	0.02	15	710	2	2	0
0.7	329	4	0.03	14	670	2	2	0
0.57	385	1	0.01	14	700	2	2	0
0.59	351	1	0.02	13	660	2	2	0
0.76	262	1	0.01	13	760	2	2	0
1.82	389	1	0.03	23	720	2	2	0
1.63	319	1	0.03	15	680	2	2	0
1.38	282	1	0.03	15	680	2	2	0
3.01	506	1	0.03	22	950	3	2	0
10.6	687	2	0.01	26	820	17	2	0
2.47	470	1	0.04	20	770	2	2	0
3.9	475	1	0.03	21	910	2	2	0
1.62	317	1	0.04	17	700	2	2	0
3.57	489	1	0.04	29	1030	2	2	0
2.69	370	2	0.05	21	900	2	2	0
2.78	358	2	0.02	28	1100	15	2	0
2.78	385	1	0.04	21	980	2	2	0
2.7	369	1	0.05	22	900	2	2	0
2.92	429	1	0.04	23	990	4	2	0
2.49	361	2	0.05	22	870	2	2	0
2.23	336	1	0.04	19	760	2	2	0
1.92	298	1	0.04	18	760	3	2	0
1.77	293	1	0.04	17	740	2	2	0
2.01	319	3	0.04	20	810	8	2	0
1.71	267	2	0.04	17	690	2	2	0
1.84	286	2	0.03	17	740	2	2	0
2.13	312	1	0.03	18	740	3	2	0
2.19	403	1	0.05	20	890	2	2	0
1.85	310	1	0.04	17	710	2	2	0
1.2	297	1	0.03	16	700	3	2	0
0.78	450	1	0.04	16	680	2	2	0
0.75	445	1	0.04	16	700	2	2	0
0.87	684	2	0.03	24	650	3	2	0
0.73	466	1	0.04	17	710	2	2	0
0.58	477	1	0.03	16	700	4	2	0
0.75	489	1	0.03	17	830	2	2	0
0.62	446	1	0.05	15	670	2	2	0
0.5	436	1	0.04	15	650	2	2	0
0.63	443	1	0.03	15	690	2	2	0
0.61	392	1	0.03	15	650	2	2	0

0.7	392	1	0.04	17	680	2	2	0
0.68	405	1	0.04	16	700	2	2	0
0.61	403	1	0.04	14	650	2	2	0
0.65	423	1	0.03	16	660	2	2	0
0.65	464	1	0.04	15	670	2	2	0
0.62	501	1	0.02	15	670	2	2	0
0.46	426	27	0.02	13	590	3	2	0
0.59	447	1	0.03	16	710	2	2	0
0.59	452	1	0.03	15	670	2	2	0
0.54	471	1	0.02	16	680	2	2	0
0.61	472	1	0.03	15	690	2	2	0
0.75	377	1	0.03	15	690	2	2	0
0.69	455	1	0.03	15	650	2	2	0
1.08	340	1	0.03	16	760	2	2	0
0.93	412	30	0.03	29	2070	4	2	0
0.69	395	9	0.03	21	710	2	2	0
0.78	485	4	0.03	26	870	4	2	0
0.62	326	1	0.03	15	680	2	2	0
0.64	435	1	0.01	16	660	2	2	0
0.56	287	2	0.02	15	690	2	2	0
0.54	299	21	0.01	23	760	2	2	0
0.69	316	2	0.02	16	800	2	2	0
0.68	363	2	0.03	16	700	3	2	0
0.59	460	3	0.03	15	670	2	2	0
0.63	439	2	0.03	14	690	2	2	0
0.58	314	3	0.02	14	680	2	2	0
0.64	415	9	0.03	15	660	3	2	0
0.65	419	1	0.03	15	690	2	2	0
0.68	475	1	0.02	16	720	3	2	0
0.69	465	1	0.03	16	680	2	2	0
0.7	472	1	0.03	16	740	2	2	0
0.59	505	3	0.03	15	680	3	2	0
0.64	414	1	0.03	16	700	4	2	0
0.63	432	1	0.05	15	670	3	2	0
0.72	507	1	0.04	18	710	3	2	0
0.64	486	5	0.06	16	660	2	2	0
0.52	530	1	0.03	14	630	3	2	0
0.58	499	5	0.03	15	790	4	2	0
0.54	489	1	0.02	14	710	2	2	0
0.59	565	2	0.03	17	740	5	2	0
0.64	463	1	0.04	17	720	2	2	0
0.64	382	1	0.04	16	710	3	2	0
0.57	432	17	0.04	15	640	3	2	0
0.63	458	1	0.02	18	720	3	2	0
0.65	590	12	0.02	24	810	5	2	0
0.48	600	1	0.02	14	700	3	2	0
0.52	651	1	0.02	14	690	3	2	0

0.62	571	1	0.01	14	690	4	2	0
0.69	492	1	0.03	17	710	2	2	0
0.7	544	1	0.03	22	710	4	2	0
0.66	422	1	0.04	16	690	3	2	0
0.72	412	1	0.04	16	660	4	2	0
0.68	399	1	0.05	14	620	4	2	0
2.55	895	1	0.02	90	1700	6	2	0
0.76	363	1	0.04	16	820	4	2	0
0.57	424	1	0.03	13	650	2	2	0
0.58	447	1	0.04	13	740	4	2	0
0.42	345	1	0.04	11	550	4	2	0
0.43	351	1	0.03	11	520	3	2	0
0.42	435	7	0.03	10	540	4	2	0
0.48	427	10	0.04	11	570	4	2	0
0.31	470	7	0.01	11	550	9	2	0
0.53	428	7	0.03	14	620	6	2	0
0.56	447	4	0.03	13	610	4	2	0
0.51	495	1	0.02	12	610	4	2	0
0.65	539	4	0.02	15	680	6	2	0
2.02	936	2	0.01	73	1430	5	2	0
0.42	1125	1	0.01	9	560	13	2	0
0.47	985	1	0.01	11	590	12	2	0
0.51	446	1	0.03	13	580	4	2	0
0.49	367	1	0.03	13	600	4	2	0
0.46	343	2	0.03	13	600	2	2	0
0.4	321	6	0.03	11	570	2	2	0
0.39	384	3	0.03	11	530	3	2	0
0.52	383	1	0.03	13	590	4	2	0
0.45	362	3	0.02	15	760	4	2	0
0.49	349	3	0.03	12	570	3	2	0
0.54	385	5	0.03	12	580	5	2	0
0.49	474	6	0.03	13	570	3	2	0
0.51	502	5	0.03	13	600	3	2	0
0.32	409	3	0.02	11	520	7	2	0
0.55	620	1	0.02	12	610	3	2	0
0.47	1240	1	0.01	12	600	5	2	0
0.5	720	1	0.03	11	540	4	2	0
0.51	753	1	0.02	11	570	4	2	0
0.58	458	1	0.03	14	630	3	2	0
0.61	403	1	0.04	14	620	4	2	0
0.48	290	3	0.03	12	590	4	2	0
0.58	338	1	0.04	13	550	2	2	0
0.6	298	1	0.04	13	570	3	2	0
0.62	305	1	0.04	14	580	2	2	0
0.59	295	1	0.04	13	560	4	2	0
0.53	384	1	0.04	12	560	3	2	0
0.61	339	1	0.04	14	600	4	2	0

0.54	359	1	0.04	12	550	2	2	0
0.43	430	1	0.03	11	560	4	2	0
0.47	435	1	0.04	12	560	2	2	0
0.58	335	1	0.04	13	600	4	2	0
0.51	392	3	0.03	11	590	2	2	0
0.44	349	1	0.03	12	600	2	2	0
0.6	373	1	0.04	13	580	2	2	0
0.61	316	1	0.05	13	580	3	2	0
0.77	389	3	0.04	19	630	2	2	0
0.75	409	2	0.04	18	600	2	2	0
0.34	360	1	0.02	11	590	3	2	0
0.53	429	1	0.04	12	560	2	2	0
0.54	301	1	0.04	12	540	2	2	0
0.59	279	1	0.04	15	710	3	2	0
0.6	311	5	0.05	15	590	2	2	0
0.55	254	9	0.05	13	620	3	2	0
0.41	242	5	0.05	11	580	2	2	0
1.9	326	1	0.06	125	2310	4	2	0
0.83	348	3	0.04	22	710	2	2	0
0.65	303	3	0.05	14	610	2	2	0
0.6	307	1	0.04	14	510	3	2	0
0.69	307	7	0.05	15	640	3	2	0
0.52	303	1	0.04	13	570	2	2	0
0.75	353	3	0.05	17	570	4	2	0
0.73	393	1	0.04	17	710	2	2	0
0.77	393	3	0.04	17	770	2	2	0
0.66	485	1	0.03	15	850	5	2	0
1.02	432	1	0.05	22	840	4	2	0
0.88	438	4	0.04	19	790	2	2	0
0.77	365	7	0.04	17	710	2	2	0
0.76	358	3	0.04	17	700	2	2	0
0.74	394	1	0.04	17	700	2	2	0
0.78	398	1	0.04	17	720	2	2	0
0.75	391	1	0.04	17	700	2	2	0
0.77	371	1	0.04	17	690	2	2	0
0.84	497	2	0.04	18	630	2	2	0
0.64	332	3	0.03	16	650	3	2	0
0.79	368	1	0.04	17	680	2	2	0
0.74	391	1	0.04	17	680	2	2	0
0.68	421	1	0.04	16	670	2	2	0
0.77	511	1	0.03	21	700	3	2	0
0.56	465	2	0.02	16	730	5	2	0
0.65	464	1	0.03	16	690	3	2	0
0.63	429	1	0.03	16	670	3	2	0
0.61	447	1	0.03	16	680	2	2	0
0.47	528	1	0.01	14	690	2	2	0
0.62	464	1	0.03	15	680	2	2	0

0.66	391	1	0.04	16	690	2	2	0
0.73	346	1	0.05	16	700	2	2	0
0.83	422	1	0.04	19	740	3	2	0
0.74	334	3	0.05	16	710	3	2	0
0.82	401	1	0.05	18	670	2	2	0
0.83	471	1	0.05	16	700	2	2	0
0.91	439	1	0.05	17	710	2	2	0
0.55	388	1	0.03	15	720	5	2	0
0.74	448	1	0.05	17	660	2	2	0
0.71	407	3	0.05	16	720	2	2	0
0.85	359	1	0.05	17	670	2	2	0
1.74	374	1	0.06	23	750	2	2	0
1.46	297	1	0.08	18	810	2	2	0
4.43	567	1	0.05	29	1020	2	2	0
1.65	388	1	0.08	21	960	2	2	0
1.61	426	1	0.06	21	750	2	2	0
1.53	314	1	0.05	18	720	2	2	0
0.66	391	1	0.05	17	610	2	2	0
1.48	302	1	0.06	18	730	2	2	0
0.67	418	1	0.04	13	660	2	2	0
0.58	383	4	0.04	14	640	2	2	0
0.37	219	1	0.06	10	330	5	2	0
0.79	400	1	0.05	18	740	2	2	0
0.75	279	1	0.05	13	580	2	2	0
0.64	170	2	0.07	8	500	2	2	0
1.25	273	3	0.06	17	640	2	2	0
1.78	343	1	0.07	18	790	2	2	0
1.76	411	1	0.07	21	850	2	2	0
0.71	342	1	0.04	16	680	2	2	0
0.65	285	1	0.03	16	730	3	2	0
0.72	377	1	0.03	15	690	2	2	0
0.73	336	1	0.03	15	670	3	2	0
0.73	330	1	0.03	16	670	3	2	0
0.65	371	1	0.02	13	670	3	2	0
0.45	278	1	0.03	9	450	4	2	0
0.68	347	1	0.02	14	660	3	2	0
0.69	346	1	0.03	15	670	2	2	0
0.72	339	1	0.03	15	680	3	2	0
0.63	414	1	0.03	14	640	4	2	0
0.44	441	1	0.01	13	690	2	2	0
0.48	389	1	0.01	13	680	3	2	0
0.68	404	1	0.03	14	690	2	2	0
0.7	349	1	0.03	15	700	2	2	0
0.86	390	1	0.04	21	690	3	2	0
0.71	369	1	0.05	16	640	2	2	0
0.69	360	1	0.04	15	640	2	2	0
0.7	365	2	0.04	16	640	2	2	0

0.7	354	2	0.04	15	620	2	2	0
0.72	379	6	0.05	16	650	3	2	0
0.66	337	12	0.04	19	640	8	2	0
0.69	375	1	0.04	16	660	2	2	0
0.71	366	1	0.04	16	630	2	2	0
0.72	369	1	0.05	17	650	2	2	0
0.46	423	2	0.03	12	500	12	2	0
0.72	391	2	0.04	17	680	2	2	0
0.72	455	1	0.04	17	680	2	2	0
0.76	385	1	0.05	20	790	2	2	0
0.77	382	1	0.05	17	700	2	2	0
0.99	343	2	0.04	18	700	2	2	0
0.88	372	1	0.03	17	700	2	2	0
1.62	573	6	0.03	69	1290	4	2	0
0.48	383	1	0.03	12	630	3	2	0
1.5	502	1	0.03	64	1180	6	2	0
0.66	355	2	0.04	16	690	4	2	0
0.76	380	2	0.03	16	1610	3	2	0
0.78	457	1	0.03	16	690	3	2	0
0.66	327	29	0.03	15	680	4	2	0
1.06	512	2	0.03	22	630	3	2	0
0.75	446	2	0.03	18	680	4	2	0
0.4	546	2	0.01	14	680	3	2	0
0.41	706	1	0.01	11	590	3	2	0
0.52	543	1	0.01	15	680	2	2	0
0.67	513	2	0.02	16	690	2	2	0
0.6	421	1	0.02	14	720	2	2	0
0.69	459	1	0.03	15	670	2	2	0
0.68	371	3	0.03	25	620	2	2	0
0.65	461	2	0.03	14	670	3	2	0
0.65	712	3	0.02	16	670	4	2	0
0.67	375	1	0.03	14	620	2	2	0
0.92	778	1	0.03	17	790	2	2	0
0.77	775	2	0.01	22	1070	8	2	0
1.04	733	2	0.03	19	930	2	2	0
0.92	603	1	0.03	17	850	2	2	0
0.97	513	2	0.04	17	870	4	2	0
0.97	546	2	0.03	20	860	2	2	0
0.95	569	1	0.01	21	1060	5	2	0
1.02	600	1	0.03	21	950	2	2	0
0.69	348	2	0.03	15	640	2	2	0
0.45	263	1	0.03	9	380	4	2	0
0.67	339	1	0.04	13	570	2	2	0
1.93	559	1	0.04	22	980	2	2	0
1.07	442	1	0.03	16	1030	2	2	0
0.84	406	1	0.03	17	640	2	2	0
2.62	454	1	0.04	21	910	2	2	0

0.53	300	1	0.03	16	730	2	2	0
0.54	313	1	0.05	21	680	2	2	0
0.5	326	1	0.04	17	660	2	2	0
0.66	331	1	0.05	18	680	2	2	0
0.9	518	1	0.06	24	720	2	2	0
0.62	378	1	0.05	15	650	2	2	0
0.84	804	1	0.02	12	520	16	2	0
0.33	491	1	0.03	10	730	3	2	0
0.43	356	1	0.03	13	640	3	2	0
0.58	374	1	0.03	14	610	2	2	0
0.68	484	1	0.03	15	660	2	2	0
0.76	451	1	0.03	16	900	2	2	0
0.78	467	1	0.03	15	1010	4	2	0
0.68	464	1	0.03	15	700	2	2	0
0.65	421	1	0.03	15	700	2	2	0
0.51	471	1	0.01	15	680	3	3	0
0.12	171	1	0.01	18	410	99	2	0
0.42	441	1	0.01	14	640	9	2	0
0.58	522	1	0.02	14	670	5	2	0
0.63	511	1	0.02	15	660	3	2	0
0.72	447	1	0.04	15	660	2	2	0
0.82	345	1	0.03	16	690	2	2	0
1.27	318	1	0.03	15	660	2	2	0
0.76	424	1	0.03	16	710	3	2	0
0.61	452	1	0.03	13	550	2	2	0
1.33	336	1	0.03	16	710	2	2	0
1.88	368	1	0.03	16	680	2	2	0
1.69	337	1	0.03	17	700	2	2	0
1.93	332	1	0.04	18	710	2	2	0
1.69	282	4	0.03	18	680	3	2	0
2.13	357	1	0.04	20	780	2	3	0
2.56	416	1	0.04	22	840	2	2	0
2.87	456	3	0.04	24	790	2	2	0
2.16	314	8	0.02	20	730	2	2	0
1.85	241	1	0.03	15	720	2	2	0
0.53	107	11	0.04	7	40	3	2	0
1.72	259	1	0.03	16	700	2	2	0
1.84	261	1	0.03	15	660	2	2	0
2	307	1	0.03	19	710	2	2	0
2.1	374	1	0.04	21	840	2	2	0
1.53	299	1	0.03	15	660	2	2	0
1.35	231	2	0.01	18	670	34	2	0
1.86	319	1	0.03	16	680	2	2	0
4.06	490	1	0.03	22	930	2	2	0
5.61	994	67	0.02	48	3070	2	2	0
2.77	447	1	0.05	25	1000	2	2	0
4.74	557	10	0.03	28	990	2	2	0

2.82	375	1	0.04	21	1150	31	2	0
7.35	946	1	0.01	102	1450	3	2	0
3.1	396	2	0.05	24	940	4	2	0
4.17	448	1	0.01	31	1040	21	2	0
2.71	424	1	0.05	24	970	2	2	0
2.33	390	1	0.05	21	910	2	2	0
1.39	325	1	0.04	17	700	2	2	0
1.56	324	1	0.04	18	680	2	2	0
1.56	282	3	0.04	18	700	2	2	0
1.75	265	1	0.04	17	670	2	2	0
2.08	249	1	0.04	18	690	2	2	0
1.99	211	1	0.03	16	670	3	2	0
1.69	205	38	0.03	16	710	5	2	0
1.25	247	3	0.03	16	790	2	2	0
1.7	213	2	0.04	16	650	3	2	0
1.63	242	2	0.04	17	660	2	2	0
1.7	270	1	0.04	18	680	2	2	0
1.5	249	1	0.04	18	710	2	2	0
1.19	295	2	0.03	19	720	2	2	0
0.93	470	1	0.02	21	800	3	2	0
0.68	428	1	0.03	15	710	3	2	0
0.69	375	1	0.03	17	650	4	2	0
0.64	438	1	0.03	14	620	3	2	0
0.66	410	1	0.02	15	640	9	2	0
0.76	424	1	0.03	18	740	2	2	0
0.71	467	1	0.03	16	670	2	2	0
0.74	559	1	0.02	15	680	3	2	0
0.67	409	2	0.02	19	680	3	2	0
0.6	366	5	0.03	15	660	4	2	0
0.47	311	1	0.02	15	650	5	2	0
0.58	405	1	0.02	14	650	3	2	0
0.64	370	1	0.03	16	670	3	2	0
0.68	432	1	0.04	15	660	3	2	0
0.69	435	3	0.04	17	690	4	2	0
0.59	448	1	0.03	15	670	7	2	0
0.67	464	1	0.04	15	660	2	2	0
0.66	413	1	0.03	17	660	3	2	0
0.37	319	1	0.01	14	670	7	2	0
0.64	406	1	0.03	15	650	3	2	0
0.7	375	1	0.03	16	680	3	2	0
0.7	427	1	0.03	17	680	3	2	0
0.45	381	1	0.01	17	670	10	2	0
0.66	456	1	0.03	16	680	4	2	0
0.59	442	1	0.02	16	690	4	2	0
0.67	569	1	0.03	16	670	3	2	0
0.39	362	1	0.01	15	670	9	2	0
0.58	467	1	0.03	15	630	3	2	0

0.63	427	1	0.03	16	660	5	2	0
0.64	505	1	0.02	17	700	5	2	0
0.67	417	1	0.03	16	690	4	2	0
0.52	456	1	0.01	14	970	6	2	0
0.65	424	1	0.03	16	680	4	2	0
0.6	451	1	0.02	15	660	4	2	0
0.48	492	1	0.02	13	730	5	2	0
0.57	412	1	0.03	15	640	4	2	0
0.57	621	1	0.03	11	600	2	2	0
0.5	556	2	0.03	13	630	3	2	0
0.49	416	1	0.03	14	630	3	2	0
0.55	395	1	0.03	15	630	2	2	0
0.59	396	1	0.04	15	630	2	2	0
0.64	403	1	0.04	16	660	2	2	0
0.6	377	1	0.04	15	640	2	3	0
0.56	353	1	0.04	14	560	3	2	0
0.65	370	1	0.04	15	630	2	2	0
0.62	453	1	0.04	14	600	2	2	0
0.63	346	1	0.04	15	810	3	2	0
0.42	394	1	0.04	10	450	3	2	0
0.41	389	1	0.05	8	430	2	2	0
0.37	234	1	0.04	9	510	2	2	0
0.4	307	1	0.03	14	560	4	2	0
0.57	333	1	0.04	14	590	2	2	0
0.51	270	46	0.03	23	550	3	2	0
0.58	350	1	0.04	16	630	2	2	0
0.65	323	1	0.04	15	650	2	2	0
0.68	366	1	0.04	16	650	3	2	0
0.61	369	8	0.05	16	700	2	2	0
0.66	292	9	0.04	16	640	2	2	0
0.67	310	1	0.04	16	640	3	2	0
0.65	353	1	0.04	15	610	2	2	0
0.66	359	1	0.04	15	640	3	2	0
0.68	387	1	0.04	16	600	2	2	0
0.72	342	1	0.04	16	660	3	2	0
0.72	342	1	0.04	16	650	2	2	0
0.74	363	1	0.03	17	640	3	2	0
0.67	322	1	0.03	15	630	3	2	0
0.81	450	1	0.04	15	620	2	2	0
0.72	349	1	0.07	16	630	2	2	0
0.7	335	1	0.07	16	600	2	2	0
0.98	295	1	0.04	15	630	2	2	0
1.05	293	1	0.06	16	650	2	2	0
1.31	287	1	0.06	20	680	2	2	0
1.2	264	1	0.07	16	630	2	2	0
1.96	318	1	0.08	18	700	2	2	0
1.61	268	1	0.05	17	680	2	2	0

1.76	278	1	0.05	16	640	2	2	0
1.65	272	1	0.05	17	660	2	2	0
1.46	294	1	0.04	16	670	2	2	0
1.38	270	1	0.04	16	680	2	2	0
1.27	257	1	0.04	15	630	2	2	0
1.72	285	1	0.04	16	650	2	2	0
1.74	302	1	0.05	17	710	3	2	0
1.68	251	1	0.05	15	670	2	2	0
1.71	209	1	0.05	16	670	2	2	0
1.73	192	6	0.05	16	690	2	2	0
2.08	226	1	0.03	15	650	2	2	0
1.23	131	7	0.01	14	560	10	2	0
0.39	71	3	0.01	24	540	24	2	0
1.28	150	1	0.01	18	630	10	2	0
1.36	205	1	0.05	15	670	2	2	0
1.75	192	1	0.05	16	660	3	2	0
1.57	201	1	0.06	18	660	2	2	0
1.47	214	1	0.05	17	660	2	2	0
1.43	198	1	0.02	17	680	6	2	0
1.79	195	1	0.02	15	610	3	2	0
1.97	229	1	0.04	16	680	2	2	0
1.73	224	1	0.05	17	710	2	2	0
2.51	250	1	0.03	19	780	23	2	0
2.01	220	1	0.05	17	670	2	2	0
2.6	359	1	0.05	20	810	2	2	0
5.94	376	1	0.04	24	830	6	3	0
3.27	345	1	0.05	23	850	2	2	0
1.75	328	1	0.05	18	760	2	2	0
1.98	304	1	0.04	16	650	2	2	0
1.88	331	1	0.04	19	800	2	2	0
2.3	333	1	0.03	17	720	2	2	0
2.32	324	1	0.02	19	730	4	2	0
2.52	346	1	0.03	17	690	2	2	0
1.45	319	1	0.02	18	730	3	2	0
0.91	448	1	0.05	17	690	2	2	0
0.71	479	1	0.03	17	660	2	2	0
0.6	547	1	0.02	17	700	3	2	0
0.53	429	1	0.01	16	740	5	2	0
0.62	505	1	0.03	17	670	2	2	0
0.63	463	1	0.03	16	680	2	2	0
0.66	392	1	0.04	18	650	4	2	0
0.66	436	1	0.03	17	660	4	2	0
0.66	570	1	0.04	17	660	3	2	0
0.6	636	1	0.03	16	650	3	2	0
0.48	901	1	0.01	15	710	5	2	0
1	1425	1	0.01	14	530	11	2	0
0.63	493	2	0.03	16	640	2	2	0

0.67	383	1	0.05	17	650	3	2	0
0.51	303	1	0.03	14	560	2	2	0
0.77	523	1	0.05	18	660	4	2	0
0.7	435	1	0.04	17	640	4	2	0
0.61	444	3	0.03	17	690	5	2	0
0.67	419	3	0.03	17	690	4	2	0
0.63	480	1	0.02	18	910	6	2	0
0.76	443	1	0.04	19	740	4	2	0
0.6	500	1	0.03	16	680	4	2	0
0.67	411	1	0.04	17	660	4	2	0
0.62	434	1	0.03	15	670	4	2	0
0.62	387	1	0.04	17	650	3	2	0
0.66	385	1	0.03	17	660	2	2	0
0.72	427	2	0.04	18	660	2	2	0
0.6	659	1	0.02	16	680	4	2	0
0.7	442	1	0.04	18	690	3	2	0
0.68	418	3	0.03	18	700	3	2	0
0.66	542	1	0.03	17	670	4	2	0
0.6	670	3	0.02	16	640	3	2	0
0.58	830	1	0.01	15	620	6	2	0
0.65	903	3	0.01	15	650	6	2	0
0.72	802	1	0.01	15	590	8	2	0
0.66	828	3	0.01	18	690	5	2	0
0.63	927	1	0.02	18	750	9	2	0
0.67	650	1	0.02	15	670	9	2	0
0.71	663	1	0.03	17	700	7	2	0
0.82	2030	1	0.01	16	670	16	3	0
0.49	1460	2	0.01	15	660	14	2	0
0.82	766	1	0.03	15	640	5	2	0
0.74	540	2	0.04	16	700	3	2	0
0.57	386	1	0.06	13	600	3	2	0
3.59	650	1	0.05	193	3140	6	2	0
8.49	858	1	0.06	549	2040	7	2	0
3.05	496	2	0.05	191	1980	7	2	0
0.27	179	3	0.07	10	710	2	2	0
0.67	355	3	0.05	15	630	3	2	0
0.44	443	2	0.02	13	630	5	2	0
0.88	608	1	0.03	20	530	2	2	0
0.68	365	4	0.04	15	640	2	2	0
0.64	370	1	0.04	15	620	2	2	0
0.66	610	1	0.03	15	630	3	2	0
0.64	369	1	0.04	15	660	2	2	0
0.52	358	1	0.03	13	630	2	2	0
0.65	411	1	0.04	15	650	2	2	0
0.6	362	1	0.04	15	620	2	2	0
0.59	459	1	0.04	13	550	3	2	0
0.66	370	1	0.04	15	660	2	2	0

0.74	462	1	0.04	16	670	2	2	0
0.62	393	1	0.03	15	670	2	2	0
0.63	547	1	0.03	15	640	2	2	0
0.44	580	1	0.02	13	660	2	2	0
0.74	410	1	0.04	16	660	2	2	0
0.75	570	2	0.03	18	770	2	2	0
0.49	590	1	0.02	16	690	3	2	0
0.51	612	2	0.02	16	740	2	2	0
0.52	460	1	0.04	16	650	2	2	0
0.69	515	8	0.03	20	680	2	2	0
0.63	369	2	0.04	17	660	2	2	0
0.64	349	2	0.04	15	640	2	2	0
0.66	392	2	0.03	16	670	2	2	0
0.4	764	1	0.03	11	450	5	2	0
1	433	127	0.04	30	1060	4	2	0
0.7	375	4	0.05	17	680	3	2	0
0.7	363	2	0.05	16	650	2	2	0
0.6	430	1	0.03	14	610	2	2	0
0.64	473	2	0.03	16	670	2	2	0
0.44	552	1	0.01	14	620	6	2	0
0.56	509	3	0.02	16	690	3	2	0
0.7	403	2	0.04	16	660	2	2	0
0.65	378	1	0.04	15	620	2	2	0
0.58	404	1	0.03	14	670	2	2	0
0.64	436	1	0.04	15	660	2	2	0
0.58	572	1	0.03	15	710	4	2	0
0.57	571	1	0.03	15	650	4	2	0
0.55	518	2	0.03	15	630	3	2	0
0.52	523	2	0.02	14	660	4	2	0
0.44	563	3	0.01	14	660	3	2	0
0.6	475	4	0.02	15	630	4	2	0
0.68	455	3	0.04	15	620	3	2	0
0.71	448	4	0.03	18	650	3	2	0
0.61	333	2	0.02	22	450	2	2	0
0.63	395	4	0.04	15	620	2	2	0
0.66	386	2	0.03	17	630	2	2	0
0.63	395	1	0.04	16	630	2	2	0
0.65	390	1	0.03	14	660	2	2	0
0.61	393	14	0.03	15	670	2	2	0
0.55	408	2	0.03	16	620	2	2	0
0.58	423	2	0.03	15	640	2	2	0
0.58	419	1	0.02	17	650	2	2	0
0.58	441	1	0.03	14	610	4	2	0
0.38	510	1	0.02	10	500	14	2	0
0.6	434	1	0.04	15	600	3	2	0
0.54	369	7	0.02	13	590	3	2	0
0.72	388	3	0.03	14	650	2	2	0

0.7	391	5	0.03	16	670	2	2	0
0.64	365	1	0.03	14	620	2	2	0
0.57	312	1	0.02	14	710	4	2	0
0.68	434	1	0.03	15	660	2	2	0
0.1	120	1	0.02	3	350	6	2	0
0.35	254	2	0.04	8	380	4	2	0
0.53	423	1	0.02	14	640	3	2	0
0.68	367	3	0.04	17	970	5	2	0
0.68	328	3	0.03	15	630	2	2	0
0.72	343	2	0.03	14	700	6	2	0
0.6	317	5	0.03	14	680	4	2	0
0.78	470	1	0.04	15	700	2	2	0
0.72	348	1	0.03	14	690	3	2	0
0.85	382	1	0.04	15	680	2	2	0
1.57	297	2	0.04	16	690	2	2	0
1.97	294	1	0.04	16	700	2	2	0
1.86	253	2	0.04	15	670	2	2	0
2.26	309	1	0.04	19	530	2	2	0
1.01	354	7	0.03	14	680	3	2	0
0.79	446	1	0.02	16	690	2	2	0
0.38	259	4	0.02	10	560	2	2	0
0.59	391	1	0.03	12	610	3	2	0
0.47	370	1	0.02	11	590	3	2	0
0.47	321	1	0.02	11	580	2	2	0
0.57	432	1	0.02	12	580	4	2	0
0.67	975	1	0.01	12	330	3	2	0
0.66	460	1	0.02	14	670	3	2	0
0.58	505	1	0.02	14	610	4	2	0
0.65	467	1	0.03	15	620	3	2	0
0.54	381	1	0.03	12	510	2	2	0
1.09	923	2	0.04	12	680	3	2	0
0.58	345	1	0.03	16	600	4	2	0
0.58	360	1	0.04	13	560	2	2	0
0.42	352	2	0.01	13	620	2	2	0
0.62	355	1	0.04	14	590	3	2	0
1.19	446	1	0.03	31	750	2	2	0
0.63	255	2	0.04	15	590	2	2	0
0.64	306	2	0.03	16	630	3	2	0
0.68	325	1	0.03	16	660	2	2	0
0.56	523	1	0.03	17	700	2	2	0

SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
91	2	10	31	10	6	50
77	2	10	29	10	4	51
83	2	10	13	10	3	37
81	2	10	9	10	4	25
117	2	10	7	10	4	25
123	2	10	8	10	3	27
129	2	10	6	10	4	25
116	2	10	7	10	3	21
66	2	10	6	10	5	15
35	2	10	8	10	4	17
24	2	10	7	10	4	22
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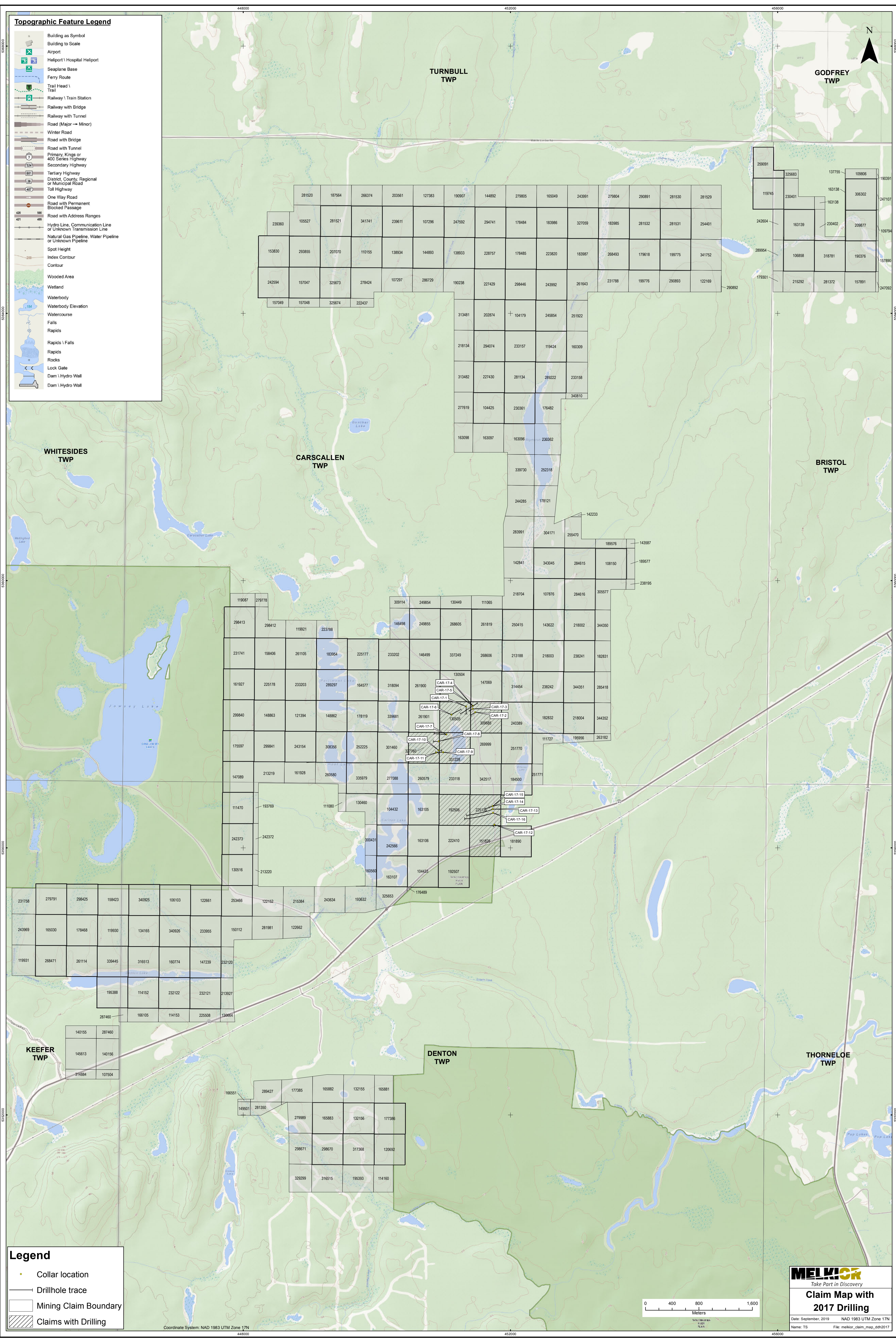
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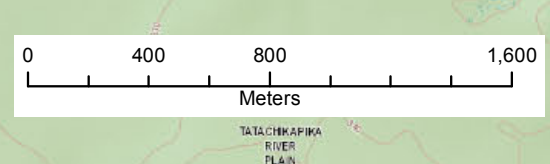
Topographic Feature Legend

- Building as Symbol
- Building to Scale
- Airport
- Helipad \ Hospital Helipad
- Seaplane Base
- Ferry Route
- Trail Head \ Trail
- Railway \ Train Station
- Railway with Bridge
- Railway with Tunnel
- Road (Major → Minor)
- Winter Road
- Road with Bridge
- Road with Tunnel
- Primary, Kings or 400 Series Highway
- Secondary Highway
- Tertiary Highway
- District, County, Regional or Municipal Road
- Toll Highway
- One Way Road
- Road with Permanent Blocked Passage
- Road with Address Ranges
- Hydro Line, Communication Line or Unknown Transmission Line
- Natural Gas Pipeline, Water Pipeline or Unknown Pipeline
- Spot Height
- Index Contour
- Contour
- Wooded Area
- Wetland
- Waterbody
- Waterbody Elevation
- Watercourse
- Falls
- Rapids
- Rapids \ Falls
- Rapids
- Rocks
- Lock Gate
- Dam \ Hydro Wall
- Dam \ Hydro Wall



Legend

- Collar location
- Drillhole trace
- Mining Claim Boundary
- Claims with Drilling



MELCOR
Take Part in Discovery
**Claim Map with
2017 Drilling**
Date: September, 2019 NAD 1983 UTM Zone 17N
Name: TS File: melcor_claim_map_dcr2017

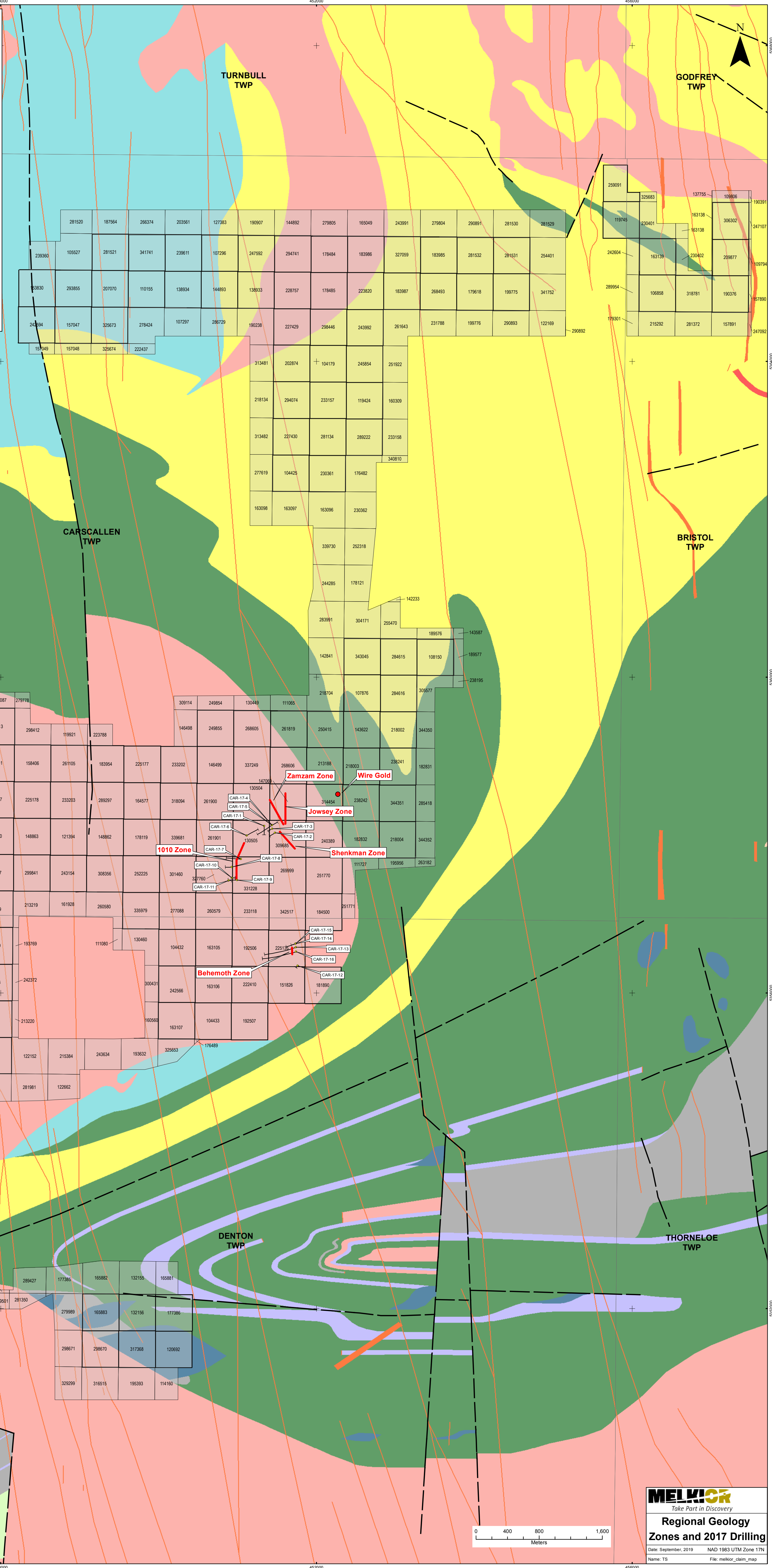
Coordinate System: NAD 1983 UTM Zone 17N

Legend

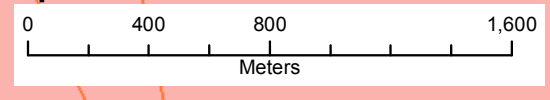
- Collar location
- melkior_zones
- Drillhole trace
- Major Faults

MRD 282 Geology

- 1 Ultramafic (to Mafic) Metavolcanic Rocks/Intrusions
- 2 Mafic (to Intermediate) Metavolcanic Rocks/Intrusions
- 3 Intermediate (to Felsic) Metavolcanic Rocks/Intrusions
- 4 Felsic (to Intermediate) Metavolcanic Rocks/Intrusions
- 6 Clastic Metasedimentary Rocks
- 9 Ultramafic Intrusive Rocks
- 10 Mafic Intrusive Rocks
- 11 Porphyry Suite
- 12 Felsic to Intermediate Intrusive Suite
- 13 Alkalic Intrusive Suite
- 15 Diabase Dyke



Note:
Geology source from OGS file MRD282
by Ayer, J.A., Chartrand, J.E.



MELKIOR
Take Part in Discovery

**Regional Geology
Zones and 2017 Drilling**

Date: September, 2019 NAD 1983 UTM Zone 17N
Name: TS File: melkior_claim_map