Event Number: 5434496

ASSESSMENT REPORT – DOT PROPERTY

NICOLA MINING DISTRICT, BRITISH COLUMBIA, CANADA

CLAIMS 312519, 312735, 312736, 314799, 334452, 334453, 334454, 334455, 344094, 344095, 344096, 344097, 344614, 344615, 345341, 345342, 345343, 345344, 345346, 345347, 345348, 345349, 345605, 345606, 353985, 353986, 354134, 354446, 355385, 355386, 355387, 355388, 355389, 355390, 355391, 534016, 534017, 534018, 534019, 534020, 534021 AND 534022

N.T.S. 92I/07

50° 15' 00" TO 50° 21' 00" NORTH
120° 48' 00" TO 120° 54' 00" WEST

MAY 15, 2013

prepared for:

DOT Resources Ltd.

prepared by:

AURORA GEOSCIENCES

ASSESSMENT REPORT

NICOLA MINING DISTRICT, BRITISH COLUMBIA, CANADA

CLAIMS 312519, 312735, 312736, 314799, 334452, 334453, 334454, 334455, 344094, 344095, 344096, 344097, 344614, 344615, 345341, 345342, 345343, 345344, 345346, 345347, 345348, 345349, 345605, 345606, 353985, 353986, 354134, 354446, 355385, 355386, 355387, 355388, 355389, 355390, 355391, 534016, 534017, 534018, 534019, 534020, 534021 AND 534022

Effective date:
May 15, 2013

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1 EXECUTIVE SUMMARY

The southern portion of the Late Triassic Guichon Creek Batholith has been explored for copper deposits for over 90 years. Between 1920 and 1929, high-grade copper was mined from two short adits after the discovery of the Northwest and Lower Vimy showings. In addition, about 1400 tons of ore were extracted from a shaft at the Aberdeen Mine which was sunk to 200 ft. (61m) with four adits that were vertically separated by intervals of 50 ft. (15m). Discovery of Cu±Ag±Mo±Au showings in the area south of Gypsum Lake in the area of the Dot Property has renewed interest in mineral tenure acquisition and exploration since the 1950's.

Exploration has typically consisted of Induced Polarization (IP) and Total Field Magnetic (TFM) geophysical surveys, geochemical soil surveys and geological investigation, trenching and drilling programs over assumed structural targets. There are five (5) significant showings of Cu±Ag±Mo±Au mineralisation which include the Northwest, Southeast, East, West and Copper zones. In addition, there is the Lower Vimy Zone, a high-grade showing that is located northeast of the Southeast Zone.

The discovery of the Highland Valley Porphyry District in the centre of the Guichon Creek Batholith stimulated exploration throughout the entire batholith. It was not until the late 1980's that significant mineralisation was delineated on the Northwest Zone (Upper Vimy). Reverse-circulation and core drilling programs were used to delineate and increase the resources of the Northwest Zone by Lawrence Mining Corp. (1981) and Zappa Resources Ltd. (1992). Alhambra Resources discovered the Southeast Zone by drilling an IP anomaly that extended along strike southeast of the Northwest Zone. Step out drilling by the same company in 1997 led to the discovery of the Copper Zone. DOT Resources delineated the East Zone by drilling in 2008. An IP anomaly drilled in 2009 discovered the West Zone.

Mineralisation occurs in a wide zone of strong alteration and steeply dipping, northwest-trending brittle-ductile shear zones. The shear zones crosscut the Highland Valley phase granodiorite and Border phase quartz diorite. There is widespread potassic alteration across the property. Within the shear zones that host mineralisation, argillic alteration is pervasive. Phyllic and propylitic alteration are controlled by fractures and veins. Copper sulphides and oxides tend to be disseminated and controlled by the fractures and veins. In zones of intense phyllic alteration, elevated Cu+Ag+Mo+Au grades correlate with increase in fracture density and silicification.

Alhambra Resources and Dot Resources have completed Induced polarization, Total Field magnetometer, VLF as well as the current ELF geophysical surveying on the Dot Property since 2006. These surveys were completed in order to correlate known mineralisation with survey results and to delineate additional targets. The Dot property needs a final push to have most of the property covered with geophysical surveying hoping to vector towards additional resources which can be drilled.

Aurora Geosciences Ltd. ("Aurora") was contracted in 2008 to review all exploration work conducted to date and calculate historical mineral resources. Robinson (2009) produced a resource estimate of 5.35 million tonnes (MT) in the Southeast Zone, with a copper equivalent grade of 0.49%. Total inferred resources of 2.87 MT were calculated for the Southeast, Copper and East zones, using a copper equivalent grade of 0.45% (Robinson, *ibid*.).

A new mineral resource estimate was compiled based upon the 2009-10 diamond drill program results (Robinson, 2010). Using a copper cut-off of 0.2% produced an Indicated Resource of 5,328,200 tonnes grading 0.54% copper. The Inferred Resource is calculated to be 4,279,700 tonnes grading 0.49% copper. There are additional gold and silver credits associated with this mineralized system.

An Extreme Low-Frequency (ELF) survey was conducted over portions of the property in February and March of 2013. The survey outlined a north-south trending Electro-magnetic (EM) anomaly that coincides with the locations of the Northwest, Southeast, Copper and Lower Vimy showings. An extension of survey lines to the southwest also produced a bulls-eye anomaly over the historic Aberdeen mine workings.

In order for the resource base to be expanded and to improve confidence in stated resources, further geophysical surveys and diamond drilling are recommended. Geophysical surveys would be designed to provide better definition of known anomalies and delineate new ones. Diamond drilling should be used to test for mineralisation between the Copper and newly discovered West zones. There should also be some drilling in the area between the Lower Vimy and East zones to test if they are contiguous.

2 INTRODUCTION

This assessment report is prepared for DOT Resources Ltd. ("DOT"). The preparation of this report is in due diligence for the filing of assessment work on the claims in the company's Dot Property ("the Property"). This report documents the most recent work program completed during late February and early March, 2013. The DOT property is centred about 24 km north of Merritt, BC. The property lies within the Nicola Mining Division of British Columbia and comprises 42 mineral claims covering 4,627.6 ha. The Dot Property is considered an exploration project with mineral reserves (Robinson, 2010).

Dot initiated work in this area following up on exploration results from Lawrence Mining Corp., Zappa Resources Ltd. and Alhambra Resources Ltd. Alhambra Resources Ltd. created DOT as a spinoff in order to conduct exploration for porphyry copper deposits in the Merritt area. Recognizing the potential for copper porphyry mineralisation in the district, DOT acquired four other claim blocks in the region in November, 2012. The Nicola Mining District is host to the Highland Valley copper porphyry deposits, which are located 17 km to the north of the Dot claim group.

Ground geophysical surveying using Induced Polarization (IP), Total Field Magnetics (TFM) and Very-Low Frequency Electromagnetics (VLF-EM) coupled with diamond drilling discovered the East and West zones on the Property in 2008 and 2009. A resource estimate compiled in 2010 (Robinson, 2010) shows a combination of Indicated and Inferred resources which are 43-101 compliant.

Information gathered for this report was obtained from public data (Government of British Columbia, Minfile reports), refereed scientific journals, symposia field trips, in-house reports filed with DOT, and various assessment reports to cover geophysical surveys and diamond drilling programs.

3 PROPERTY DESCRIPTION AND LOCATION

3.1 LOCATION

The Dot Property is located in south-central British Columbia on NTS map sheet 092I/07 (Figure 3-1). The Property is geographically centred at approximately 50°20'00"N, 120°51'00"W. Using UTM coordinates, Zone 10N and a datum of NAD83, this position can be expressed as 653528E, 5576788N. The claim group lies in the Nicola Mining Division and encompasses six zones of copper-silver-molybdenum ± gold mineralisation. The Craigmont Mine is located 12 km south-southeast of the property on the property access road. Further north along the access road, the Aberdeen Mine adjoins the southern property limit.

3.2 CLAIM STATUS

The Dot Property consists of 42 contiguous mineral claims with a combined area of 4,627.6 ha (Figure 3-2). These claims have been staked and registered to the standards set forth in British Columbia by the Gold Commissioner's Office and remain in good standing as of this writing. The status and details of these claims are presented in Table 3.1. DOT currently holds a 100% interest in the property.

DOT has confirmed that there are no royalties, back-in rights, payments or other encumbrances as outlined in any relevant legislation or regulations. There are no environmental liabilities associated with the Dot Property.

Permits required from the British Columbia Ministry of Energy, Mines and Petroleum Resources in order to initiate any next stages of exploration include (i) Notice of Work Mineral and Coal Application, and (ii) Application for a Licence to Cut Timber.

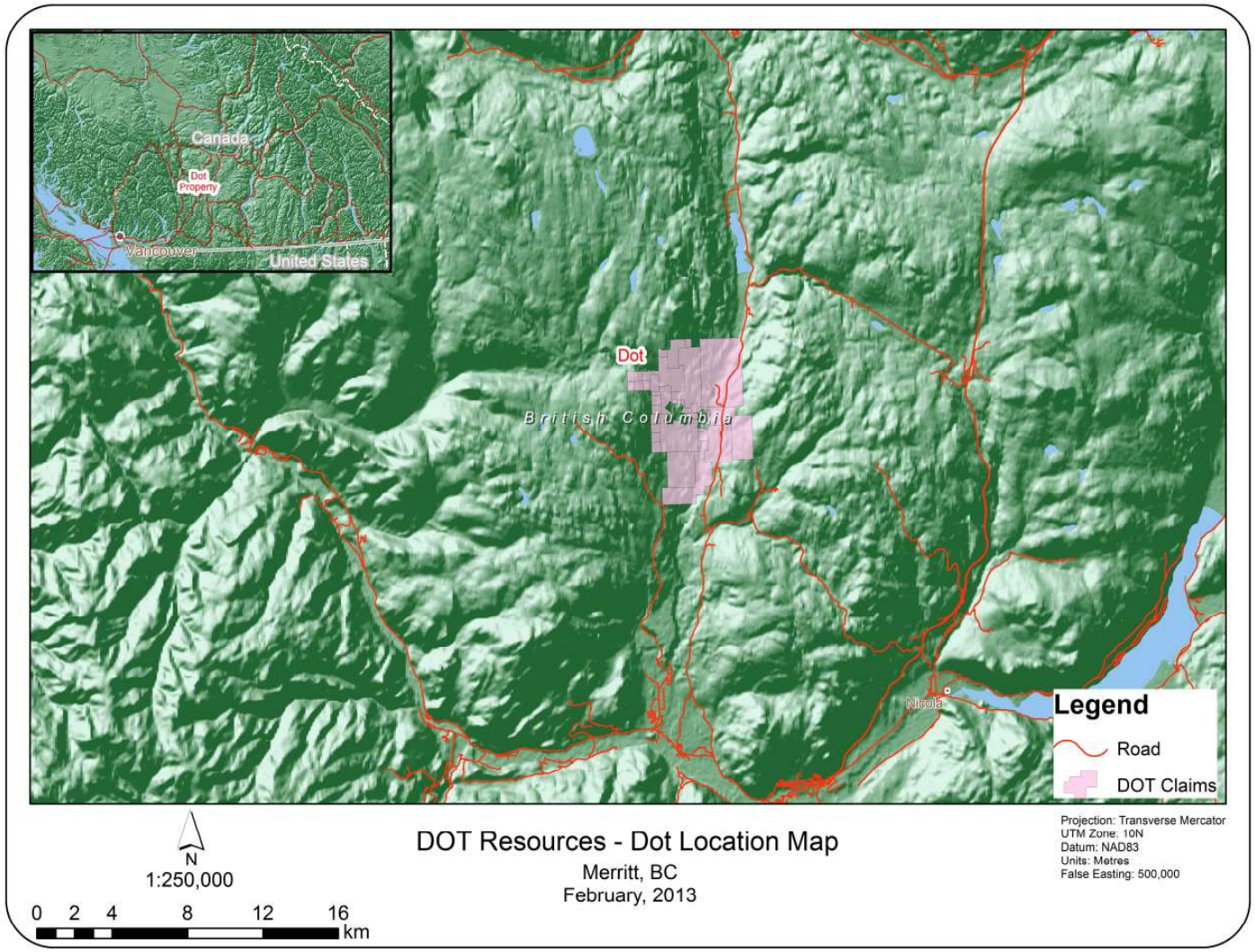

Figure 3-1. Dot Project Location Map

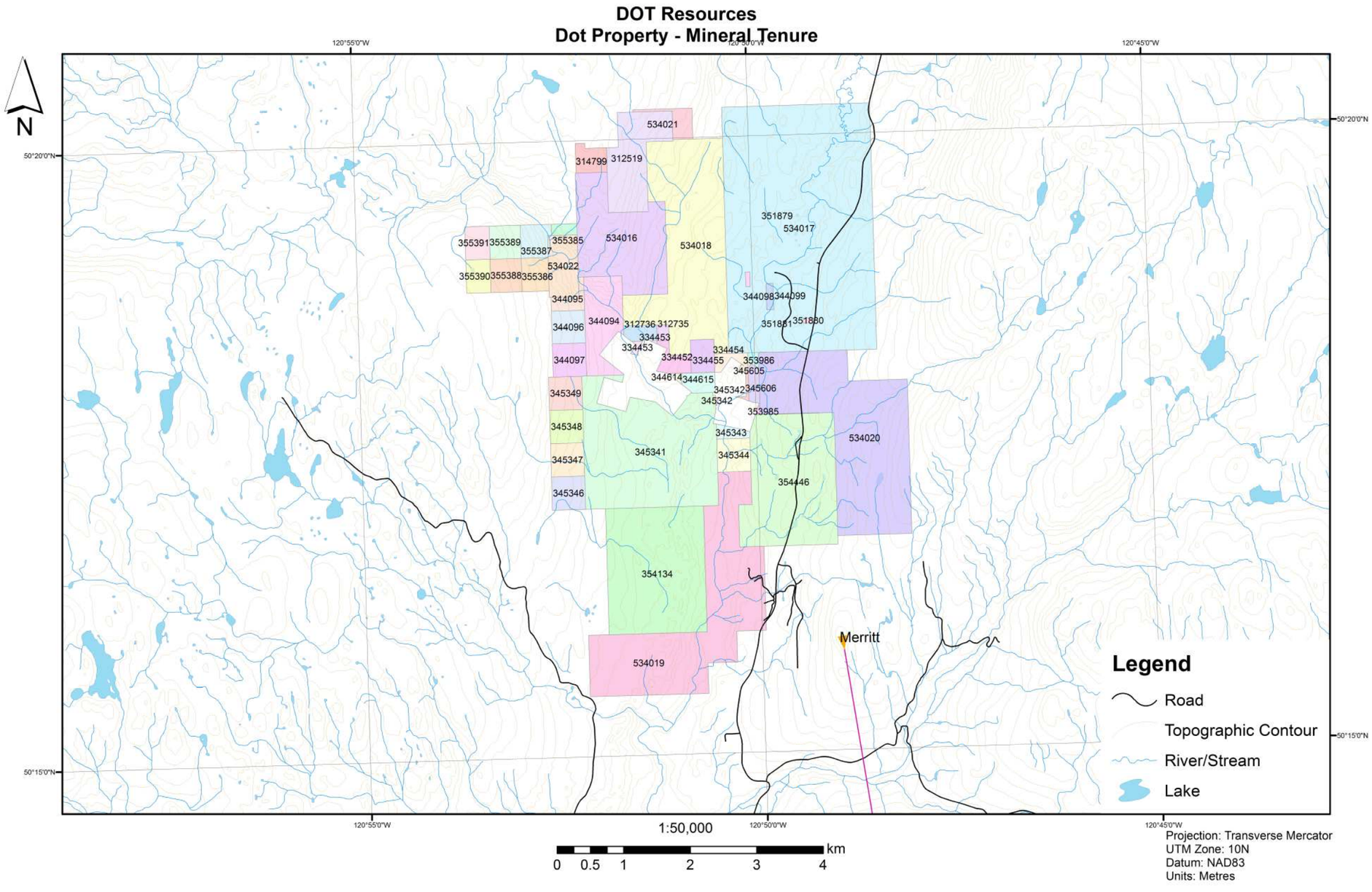

Figure 3-2. Claims of the Dot Property.

Table 3.1 - Claim Statistics

Tenure Number	Tenure Type	Claim Name	Owner DOT Resources Ltd.	Map Number	Good To Date	Status	Area (ha)
312519	Mineral	DOT II	211116 (100%)	092I036	18-08-14	GOOD	150.00
312735	Mineral	DOT V	211116 (100%)	092I036	24-08-14	GOOD	25.00
312736	Mineral	DOT VI	211116 (100%)	092I036	24-08-14	GOOD	25.00
314799	Mineral	DOT 28	211116 (100%)	092I036	18-11-14	GOOD	25.00
334452	Mineral	DOT 29A	211116 (100%)	092I036	27-03-14	GOOD	25.00
334453	Mineral	DOT 30A	211116 (100%)	092I036	27-03-14	GOOD	25.00
334454	Mineral	DOT 31A	211116 (100%)	092I036	27-03-14	GOOD	25.00
334455	Mineral	DOT 32A	211116 (100%)	092I036	27-03-14	GOOD	25.00
344094	Mineral	DOT 1-A	211116 (100%)	092I036	12-03-14	GOOD	375.00
344095	Mineral	DOT 33	211116 (100%)	092I036	12-03-14	GOOD	25.00
344096	Mineral	DOT 34	211116 (100%)	092I036	12-03-14	GOOD	25.00
344097	Mineral	DOT 35	211116 (100%)	092I036	12-03-14	GOOD	25.00
344614	Mineral	DOT 38	211116 (100%)	092I026	27-03-14	GOOD	25.00
344615	Mineral	DOT 39	211116 (100%)	092I026	27-03-14	GOOD	25.00
345341	Mineral	DON 1	211116 (100%)	092I036	28-04-14	GOOD	400.00
345342	Mineral	DON 2	211116 (100%)	092I036	27-04-14	GOOD	25.00
345343	Mineral	DON 3	211116 (100%)	092I026	27-04-14	GOOD	25.00
345344	Mineral	DON 4	211116 (100%)	092I026	27-04-14	GOOD	25.00
345346	Mineral	DON 6	211116 (100%)	092I026	28-04-14	GOOD	25.00
345347	Mineral	DON 7	211116 (100%)	092I026	28-04-14	GOOD	25.00
345348	Mineral	DON 8	211116 (100%)	092I026	28-04-14	GOOD	25.00
345349	Mineral	DON 9	211116 (100%)	092I026	28-04-14	GOOD	25.00
345605	Mineral	DON 10	211116 (100%)	092I026	08-05-14	GOOD	25.00
345606	Mineral	DON 11	211116 (100%)	092I026	08-05-14	GOOD	25.00
353985	Mineral	DON 14	211116 (100%)	092I036	03-03-14	GOOD	25.00
353986	Mineral	DON 15	211116 (100%)	092I036	03-03-14	GOOD	25.00
354134	Mineral	DON 18	211116 (100%)	092I026	11-03-14	GOOD	300.00
354446	Mineral	SPOT	211116 (100%)	092I026	24-03-14	GOOD	300.00
355385	Mineral	BOB 2	211116 (100%)	092I036	30-04-14	GOOD	25.00
355386	Mineral	BOB 3	211116 (100%)	092I036	30-04-14	GOOD	25.00
355387	Mineral	BOB 4	211116 (100%)	092I036	30-04-14	GOOD	25.00
355388	Mineral	BOB 5	211116 (100%)	092I036	30-04-14	GOOD	25.00
355389	Mineral	BOB 6	211116 (100%)	092I036	30-04-14	GOOD	25.00
355390	Mineral	BOB 7	211116 (100%)	092I036	30-04-14	GOOD	25.00
355391	Mineral	BOB 8	211116 (100%)	092I036	30-04-14	GOOD	25.00
534016	Mineral		211116 (100%)	092I	17-11-14	GOOD	226.94
534017	Mineral		211116 (100%)	092I	09-10-14	GOOD	825.23
534018	Mineral		211116 (100%)	092I	16-08-14	GOOD	371.36
534019	Mineral		211116 (100%)	092I	11-03-14	GOOD	433.69
534020	Mineral		211116 (100%)	092I	03-03-14	GOOD	412.86
534021	Mineral	DOT	211116 (100%)	092I	13-05-14	GOOD	41.25
534022	Mineral		211116 (100%)	092I	30-04-14	GOOD	41.27
TOTAL							**4,627.59**

4 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE and TOPOGRAPHY

4.1 ACCESS, INFRASTRUCTURE and LOCAL RESOURCES

The Dot Property is located 50 km south of the city of Kamloops, BC and 25 km north of Merritt, BC. Both cities act as supply centres for goods and services and provide many modern amenities. Major airline services are available through the Kamloops airport.

There is all-weather road access from Kamloops and Merritt via the Craigmont Mine site and Aberdeen Mine road. Highway 97C, running between Merritt and Logan Lake, lies within the eastern claim boundary for most of the property's length. Mobility within the property itself is facilitated by unmaintained logging roads that remain in good condition.

4.2 PHYSIOGRAPHY and CLIMATE

The Property is located east of the Cascade Mountains and south of the Highland Valley in the Thompson Plateau physiographic region of British Columbia. Most of the property is covered by windfalls of dense stands comprised of Lodgepole pine. Spruce and fir trees are found growing at lower elevations to the southeast, and locally in areas with a sufficient moisture budget.

The property is traversed by Broom and Guichon creeks in a north-south direction. The creeks flow sub-parallel to the western and eastern property boundaries, respectively. A number of smaller creeks, both seasonal and perennial, also traverse the property. There are two small lakes in the northeast portion of the property. Much of the area is covered by glacial drift. Scattered outcrops of granodiorite occur to the north and west of the property at higher elevations.

The climate is semi-arid which is typical of the southern interior of BC. Average annual precipitation is 322 mm, consisting of rain and snow. Summer temperatures average 30°C, with winter temperatures on average about -40°C. Extremes of temperatures are possible, with highs approaching +41°C in summer months and -42°C during the winter. The property is snow covered from November to May.

4.3 TOPOGRAPHY

The property is situated on the southeast slope of Gypsum Mountain at an approximate elevation of 1075 metres. Gypsum Mountain's peak elevation is 1546 metres. The property extends to Guichon Creek at an elevation of 930 metres near its eastern limit. Relief in the area is moderate. The central portion of the property lies on a terrace, midway up the mountain, where elevation varies from 1000 metres in the south to 1375 metres in the north. The southern half of the property is transected by an esker ridge. A tributary of Broom Creek cuts the southwestern portion of the mineral claims.

5 EXPLORATION HISTORY

In 1887, chalcocite was discovered at what would later become the Aberdeen Mine, which is located about 1500 metres to the south of the Southeast Zone on the Dot Property. Small shipments (21.8 tons) of copper were shipped in 1916 and 1917 to a smelter in Tacoma, WA (Sanguinetti, 1972). The handpicked ore assayed 0.03 oz./t (OPT) gold, 2.96 OPT silver and 12.62% copper.

In 1910, limited mining operations at Gypsum Mountain, northwest of the Dot Property, were accomplished on the Snowstorm Property with two short adits driven on small shear zones 450 metres west of Chataway Lake at Roscoe Creek. This would be the future site of the Bethlehem Mine. Sporadic mining of the Upper and Lower Vimy zones occurred between 1920 and 1927 (Sanguinetti, 1972).

The Upper Vimy Showing had a shaft sunk to 50 metres depth to access a mineralized shear zone. However this mineralisation was discovered to be sporadic and discontinuous. The Lower Vimy deposit was stripped and drilled, then had two small adits driven into shear-hosted, high-grade lenses of chalcopyrite, bornite and copper carbonate. Northwest Explorations Ltd. stripped and drilled the main showings and possible extensions, but returned poor assay results.

Copper mineralisation was first discovered at Bethlehem in 1898. In the 1950's, exploration focus changed from small tonnage, high-grade deposits to the current high tonnage, low-grade copper porphyry model. It was not until 1962 that the Bethlehem project advanced to the mining stage. Bethlehem was in production from 1962 to 1989. The Lornex and Highmont ore bodies were discovered in 1962 and brought into production in 1972 and 1980, respectively. A 1967 drill hole grading 0.28% copper over 58 metres was considered the discovery hole for the Valley Copper deposit which began production in 1983 (Casselman *et al*., 1995). The present day Highland Valley Copper Mine, owned and operated by Teck Resources Ltd., is an amalgamation of the deposits at Lornex, Valley Copper, Highmont and Bethlehem.

In 1956 the Chataway Mining Syndicate acquired mineral tenure in the area surrounding the Roscoe showing. In 1962 Chataway Exploration Co. Ltd. conducted exploration comprising prospecting, geophysical and geochemical surveys, stripping and diamond drilling. South of Gypsum Lake, significant copper mineralisation was discovered by trenching in Zone 04. This lies about 3 km northwest of the Northwest Zone on the Dot Property. The showing was optioned in 1965 by Bralorne Pioneer Mines Ltd. Stripping, geophysical surveying (Induced Polarization) with diamond and percussion drilling delineated a low-grade, high tonnage deposit deemed uneconomical at the time (Meyer, 1968). By the end of 1967, there had been 57 diamond drill holes (3,999 metres) and 20 percussion holes (3,097 metres) completed on Zone 04.

In 1968, Bralorne Pioneer Mines Ltd. and Chataway Exploration Co. Ltd. conducted geological mapping, surveying, sampling, geochemical and geophysical (Induced Polarization) surveys and limited trenching. No new occurrences were identified and all existing showings were determined to be sub-economic.

ASARCO (American Smelting and Refining Co.) drilled 148 percussion holes for a total of 5,166 metres on a 610 metre grid (Wells, 1981). The exact locations for the drill collars are unknown, but the program is assumed to be related to the Zone 04 occurrence. This would place it northwest of the Dot Property (Norman, 1992).

Lawrence Mining conducted IP and Magnetometer surveys to the north and south of existing showings and grids. Magnetic lows with coincident chargeability anomalies were drill tested using percussion and diamond drilling. Diamond drilling amounted to 20 holes (3,400.5 metres) and percussion to 30 holes (2,301.2 metres) in 1981. The core was stored on the property (Wells, 1981). This program identified the Northwest Zone on the Dot Property. Lawrence Mining completed an additional three diamond drill holes in 1982 to the west of the Aberdeen Mine. Zappa Resources Ltd. completed six reverse-circulation (RC) holes for a total of 638.5 metres in order to extend the Northwest Zone along strike for 255 metres and to 100 metres depth. All of the holes intersected copper mineralisation grading between 0.33% and 0.91% (Norman, 1992).

Zappa Resources contracted metallurgical testing of the mineralisation at the Dot Property. The results indicated that the ore would be amenable to heap leaching. Two new zones of copper mineralisation, the Southeast and adjacent Copper zones, were discovered by Alhambra Resources Ltd. in 1996 and 1997. Both are along strike from the Upper Vimy occurrence. Both zones were tested with 16 diamond drill holes (3,108.9 metres) in 1996 and five diamond drill holes (1,290 metres) in 1997. A non-compliant 43-101 resource estimate of 9.8 million tonnes grading 0.46% copper was published (Robinson, 2009).

Dot Resources Ltd. carried out a fall and spring program of surface mapping, sampling, geophysical surveys (IP, Mag and VLF-EM) and diamond drilling in 2007-2008. There were 9.35 line-km of IP survey, and 132 line-km of both magnetic and VLF-EM survey completed. Diamond drilling was used to verify historical reports of mineralized intersections, test strike and depth extent of mineralisation at Northwest, Copper and Southeast zones, and to test IP anomalies in the area of the Vimy Zone. Drilling in the lower Vimy only encountered narrow, low-grade copper intersections. The drill program totaled 3,097.4 metres in 14 holes.

6 GEOLOGICAL SETTING and MINERALISATION

The Dot Property is located in the Intermontane Belt of the Cordillera that extends from Washington state, through British Columbia and into the Yukon Territory and Alaska. The Intermontane Belt is an allochthonous geological belt composed of volcanic, sedimentary and granitic terranes. The Intermontane Belt is flanked to the east by the Omineca Belt, and to the west by the Crystalline Belt.

The terranes of the Intermontane Belt include:

1. Devonian to Early Jurassic sedimentary and volcanic rocks formed in island arcs and chert-rich accretionary complexes.

2. Middle Jurassic to Early Cenozoic volcanic rocks formed in predominantly continental arcs.

3. Marine and non-marine clastic sediments eroded from the uplift of the Omineca Belt.

4. Devonian to Cenozoic granitoids deformed by subduction to the west in the Mesozoic and extension-transtension in the Early Cenozoic (Monger, 2002). The geological terranes of the Intermontane Belt are generally metamorphosed to sub-greenschist facies.

6.1 REGIONAL GEOLOGY

The Quesnel Terrane is a volcanic island arc that is found along most of the length of the Canadian Cordillera. It lies in the western extents of three terranes that exhibit distinct facies and lithological assemblages. The terrane is dominated by Middle and Upper Triassic volcanic and sedimentary rocks of the Takla Group, in northern and central BC, and the Cache Creek and Nicola groups to the south (Figure 6-1).

Locally, the Quesnel Terrane is overlain by Early Jurassic to Middle Tertiary volcanic and sedimentary rocks intruded by several phases of Late Triassic through Early Jurassic granitoids such as the Guichon Creek Batholith (Schiarizza, 2003). These Late Triassic – Early Jurassic plutonic rocks are an important economic component of the Quesnel Terrane. These include calc-alkaline and alkaline intrusive suites, along with Alaskan-type ultramafic-mafic complexes.

The Guichon Creek Batholith intrudes Mississippian to Triassic sedimentary and volcanic rocks of the Cache Creek Group, and the Late Triassic Nicola Group. This in turn is unconformably overlain by Early Jurassic to Middle Tertiary sediments and volcanics. They include:

1. Nicola Group volcanics (Triassic)

2. Ladner Group metasediments (Early to Middle Jurassic)

3. Relay Mountain Group metasediments (Jurassic to Cretaceous)

4. Jackass Mountain Group sediments (Early to Middle Cretaceous)

5. Spences Bridge Group volcanics (Middle to Late Cretaceous)

Along the eastern contact of the Guichon Creek Batholith, Nicola Group rocks are described as an east-facing succession of calc-alkaline volcanics interbedded with limestone and volcaniclastic sediments. The volcanics are predominantly plagioclase-phyric andesite flows and breccias, with lenticular interbeds of limestone and volcaniclastic rocks. Locally, dacite and rhyolite flows, welded tuffs and breccias and intercalated intermediate to felsic heterolithic volcaniclastic rocks are interpreted as representative of centres of felsic volcanism (Moore & Pettipas, 1990). The Middle to Late Cretaceous Spence's Bridge Group is composed of volcanic (intermediate with local felsic and mafic), volcaniclastic (pyroclastic flows and sediments) and sedimentary (chert-grain sandstone, conglomerate, minor shale) rocks and is exposed at the southwest contact of the Guichon Creek Batholith.

Regionally metamorphosed rocks include:

1. Carboniferous to Jurassic Cache Creek Complex mélanges.

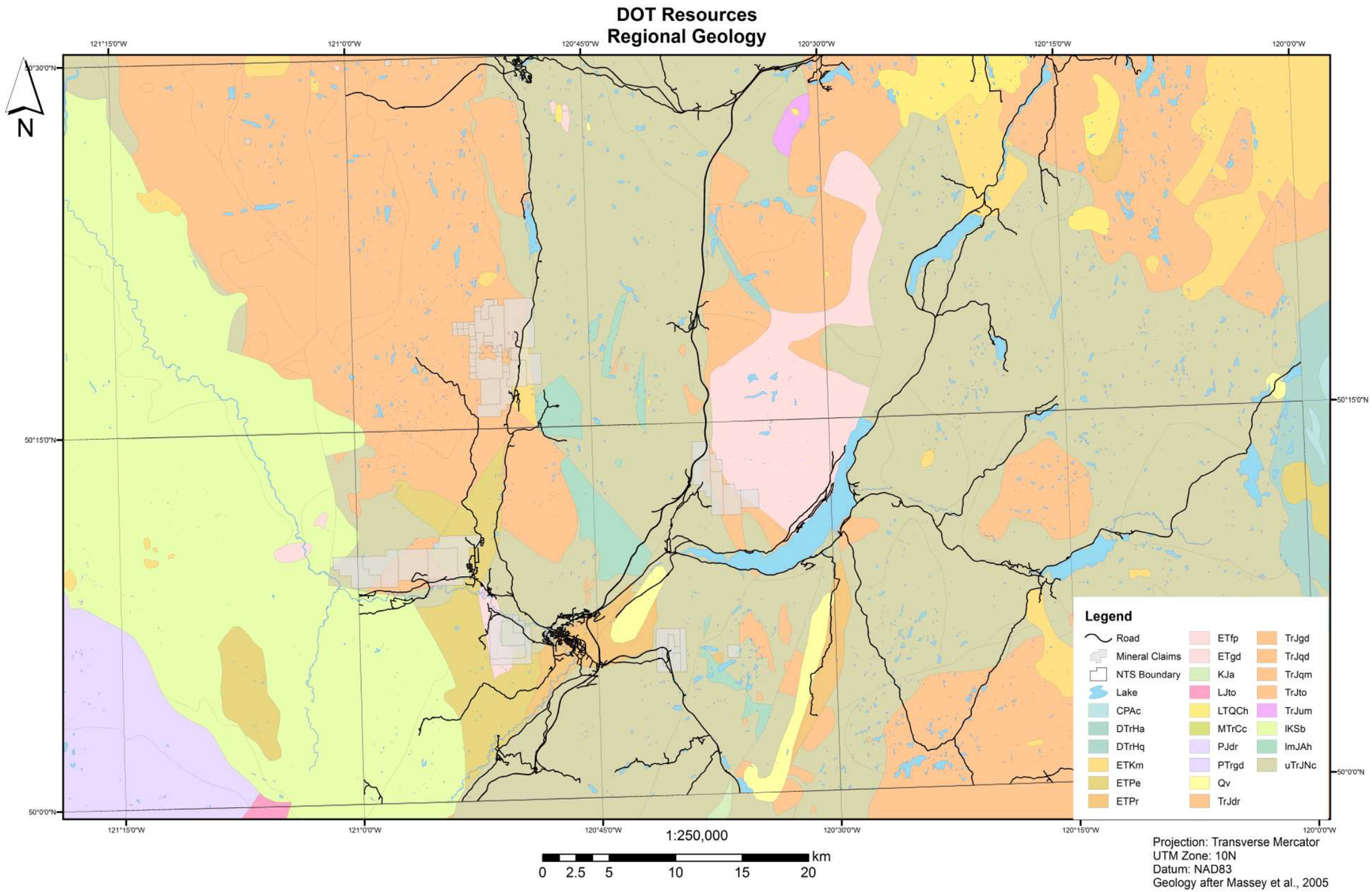

Figure 6-1 – Regional geology of the DOT properties.

2. Permian to Lower Cretaceous Bridge River Group ultramafic rocks.

3. Upper Triassic Nicola Group volcanic rocks.

Contact metamorphism around the Guichon Creek Batholith has produced hornblende – plagioclase gneiss, schist, quartzite and hornfels in a metamorphic aureole that extends for up to 500 metres (Norman, 1992).

The Guichon Creek Batholith has been assigned an Early Jurassic age of 198 ± 8 Ma using K^{40}-Ar^{40} radiometric dating methods (Northcote, 1969). Analysis of the initial Sr^{87}/Sr^{86} ratios suggests a primitive magma source in a collisional island arc tectonic setting. Early equigranular phases are interpreted to be mesozonal. This is in contrast to the younger, porphyritic phases that are host to significant base metals mineralisation. They are interpreted to be epizonal and intruded at higher levels into the overlying volcano-sedimentary sequence.

Based upon present geometry and gravity profiling (Ager *et al*., 1972), magma is interpreted to have intruded along intersecting basement structures then expanded to the north and south following a dominant zone of weakness (McMillan *et al*., 1985). These structures were reactivated syn- to post-emplacement and control the fault patterns within the batholith, and the distribution of younger volcanic and volcaniclastic rocks adjacent to the intrusive body. These basement structures are interpreted to be controls on the distribution of late-mineralized porphyry dykes and ore deposits.

The Guichon Creek Batholith hosts multiple phases of intrusive activity. Each of these intrusive phases displays distinct mineralogical and textural features. The phases of the Guichon Creek Batholith, from oldest to youngest, consist of:

1. Border

2. Highland Valley

3. Bethlehem

4. Bethsaida

Older intrusive phases are concentrated at the margins of the batholith with the younger phases towards the core. The phase contacts are typically gradational and lacking in chill margins. This suggests that subsequent phases were intruding prior to solidification of the host phase. Crosscutting relationships are observed between all phases.

Subsequent to the intrusion of the Bethlehem Phase, the batholith experienced episodes of dyke emplacement. It is this phase that is associated with the first major period of ore paragenesis. The dykes show textural and geochemical affinity with the Bethlehem Phase. Cross-cutting relationships between the dykes and all phases of the batholith lead to the hypothesis that they are a late-stage, incompatible and volatile-rich component of the Bethlehem intrusive phase (McMillan *et al*., 1985).

Following the emplacement of the Bethlehem Phase, there was episodic emplacement of dykes contemporaneous with the first major period of ore paragenesis. The dykes display textural and geochemical affinities with the Bethlehem Phase. Due to the cross-cutting relationships with Bethlehem

and previous phases, they are interpreted as a late-stage, volatile-rich incompatible phase of Bethlehem plutonism.

The Bethlehem ore deposits, along with the Krain and South Seas showings, are associated with these late-stage dykes and their magmatic-hydrothermal breccias. Southward and towards the centre of the batholith, a series of north- to northwest-trending dykes, coeval with the youngest phase of plutonism (Bethsaida), represent younger, more evolved magmatic sources. McMillan *et al*. (1985) suggests that the largest ore deposits are associated with this event.

Quaternary sediments are confined to the larger drainage valleys where they form thick deposits of stratified and non-stratified drift.

6.2 PROPERTY GEOLOGY

The Guichon Creek Batholith exhibits compositional ranges from diorite at the margin, ranging through quartz diorite, quartz monzodiorite and finally granodiorite in the core (Le Bas & Streckeisen, 1991). The Dot Property is located near the southeastern margin of the batholith (Figure 6-2). It is host to medium-grained hornblende monzodiorite to granodiorite of the Highland Valley Phase. Cross-cutting relationships can be observed with younger porphyry intrusive rocks of Bethsaida affinity.

There are isolated outcrops of Tertiary volcanic rocks, correlative with the Kamloops Group. These unconformably overlie intrusive rocks at the north end of the property. The unit in the field is a dark-green to dark-brown, vesicular basalt with distinctive rusting on weathered surfaces.

The Northwest and Southeast zones show evidence of aplite dykes in drill core. The dykes are fine-grained, leucogranitic in composition and display little to no alteration. These dykes are spatially coincident with copper mineralisation on the Dot Property and are sometimes observed to be weakly mineralized to the north (Meyer, 1968).

Granodiorite and quartz monzonite underlie the western and northwestern portions of the property. This phase is a fine- to medium-grained, locally porphyritic, hornblende-bearing granodiorite that has gradational contacts with adjacent Chataway Variety granodiorite. It may be correlative with the Skeena or Bethlehem phases mapped in the northern portion of the Guichon Creek Batholith. This unit is lighter in colour and coarser in texture than the more mafic Border Phase.

There is a contact between the Border Phase and Guichon Variety granodiorite mapped southeast and east of the Northwest and Southeast zones. Regionally, the Border Phase is a dioritic unit interpreted to be a hybrid melt that was contaminated by Nicola Group volcanic rocks during emplacement. Hornblende with lesser pyroxene are the most abundant mafic minerals, and may comprise up to 35% of the modal abundance. These minerals are strongly altered to chlorite with some magnetite replacement textures. Weathered surfaces commonly exhibit a limonitic rust stain.

Border Phase on the Dot Property is quartz dioritic in composition and strongly resembles the Border Phase described by McMillan *et al*. (1985). There are xenoliths of Nicola volcanic and volcaniclastic

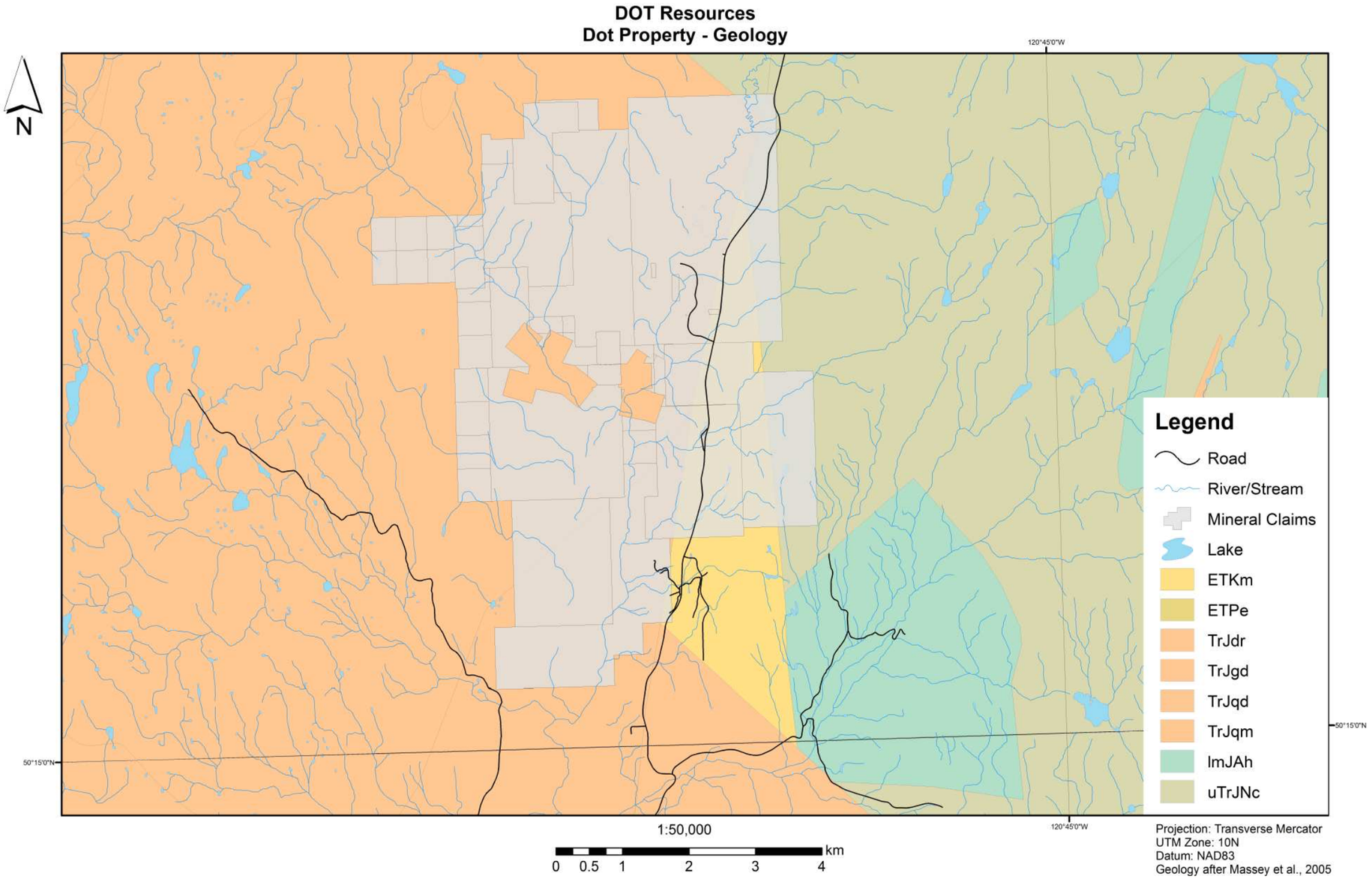

Figure 6-2 – Dot property geology.

rocks. Where local mixing has occurred, there are zones of amphibolite and monzonite. Locally, pyroxene-bearing xenoliths of mafic-rich granitoid are so abundant as to form a pseudo-breccia texture (McMillan, *ibid*.).

6.3 ALTERATION and MINERALISATION

The alteration identified on surface and drill core at the Dot Property is indicative of two and possibly three generations of ore-bearing fluid interactions. Northwest-striking mineralized zones correlate positively with a strong argillic, potassic, hematitic and lesser phyllic and propylitic alteration halo that may extend up to 200 metres from the mineralized zone.

Locally, argillic alteration may replace up to 90% of the protolith with clay minerals, leaving behind primary and secondary quartz grains. The clay minerals consist of fine-grained sericite and kaolinite. Phyllic alteration includes silicification and sericitization of the host rock. Sericite, when present, occurs as coarse-grained fracture surface laminations. Hematite is concentrated along fracture planes with possible overprints of the potassic alteration. Historic drill logs noted the presence of abundant specular hematite. Re-examination of historic core showed weak to intense staining of fracture surfaces and mineral crystal faces. The oxidizing event responsible for the hematite deposition has completely eliminated any magnetic mineral phases.

6.3.1 HEMATITIC ALTERATION

Hematite occurs as pervasive rust stains on fracture planes. It overprints all vein and fracture mineralogy along with pervasive potassic alteration adjacent to these features. High-grade copper zones contain specular hematite. The late overprinting relationship suggests that the hematite alteration was likely the product of meteoric fluid infiltration and circulation in Cretaceous and Tertiary, or later faulting events. It is not considered to be related to copper mineralisation.

6.3.2 POTASSIC ALTERATION

Weak to strong potassic alteration can be vein-controlled or pervasive and is related to all phases of mineralisation. Alteration overprints plagioclase and potassic feldspar with weak to strong, peach to pink coloured, secondary potassic feldspar. It appears to be a preliminary phase of alteration. In mineralized intervals, the potassic alteration produces fracturing and brecciation of host rocks. Vein controlled alteration concentrates in fractures and permeates to form an alteration halo in surrounding rocks. This alteration may anneal fractures or replace host granodiorite. Veins and breccias are sometimes entirely composed of secondary potassic feldspar.

6.3.3 PHYLLIC ALTERATION

Sporadic silicification is noted across mineralized intervals. Where present, it is associated with strong copper-sulphide mineralisation. Quartz veins and quartz flooding are associated with fracture zones. Veins commonly host sulphide mineralisation and display brecciated textures. Sericitization is weak and sporadic. Significant concentrations occur as flakes coating fractures or pervasive alteration of feldspar

grains adjacent to fracture zones. While it may be associated with silicification, it is always associated with intense clay alteration, which is interpreted as an end member state of pervasive argillic alteration.

6.3.4 ARGILLIC ALTERATION

Argillic alteration is observed to be fracture controlled, being most intense along fractures, fault surfaces and in strong breccia zones. It also tends to be pervasive across mineralized intervals. Altered intervals sometimes display complete replacement by clay minerals, which are interpreted as fine-grained sericite and kaolinite. These clay minerals exhibit a white, powdery appearance.

6.3.5 PROPYLITIC ALTERATION

Propylitic overprinting is represented in mineralised zones by the presence of clay minerals, carbonates, chlorite and epidote. This alteration is a regional overprint that extends as far north as the Highland Valley area. Chloritic alteration is found as fracture coatings, veinlets and mafic mineral replacements. Weak to moderate, pervasive chlorite alteration is observed in the Northwest Zone near the narrowing ends (Norma, 1992). Epidote distribution is similar to chlorite but more common in mafic phases of the granodiorite, and spatially associated with carbonate and clay minerals. Spatial correlation with mineralisation on the Dot Property is considered to be purely coincidental.

7 DEPOSIT TYPES

Mineralisation hosted in the Northwest, Southeast, Copper and Lower Vimy zones of the Dot Property may be classified as a Porphyry Copper genetic model.

7.1 PORPHYRY DEPOSIT GENETIC MODEL (after Seedorff *et al*., 2005)

Porphyry deposits are one of the most important sources of non-ferrous metallic minerals. They are magmatic-hydrothermal in origin and characterised by the presence of sulphide and oxide ore minerals in veinlets and disseminations occupying up to 4 km^3 of hydrothermally altered rock. Porphyry deposits occur in magmatic belts worldwide. They are typically associated with hypabyssal dioritic to granitic intrusions that have a porphyritic texture and aplitic groundmass. Most are Phanerozoic in age, typically Cenozoic, reflecting the dominance of magmatism related to subduction tectonics and preservation in geologically younger rocks.

There are five classes of porphyry deposits, with the grouping based upon the dominant metal found: Au, Cu, Mo, W and Sn. For each class, the index metal is enriched by a factor of 100 to 1,000 relative to unmineralised rocks of similar composition. The mass of porphyry deposits ranges over four orders of magnitude, with the mean size of a deposit ordered Cu > Mo – Au > Sn > W. Hydrothermal alteration is a guide to mineralisation since it produces a series of mineral assemblages within the mineralised zones and extending into a larger volume (>10 km^3) of adjacent rock.

The typical temporal evolution of a porphyry ore-bearing system goes from early, high-temperature biotite±K-feldspar assemblages (potassic alteration) to medium-temperature muscovite±chlorite assemblages (sericitic alteration) and finally low-temperature, clay-bearing assemblages (argillic

alteration). This is consistent with progressively greater acidity and higher fluid-to-rock ratios of fluids prior to their eventual neutralisation.

Although advanced argillic alteration (especially quartz±alunite) occurs relatively late in many deposits where it superimposes ore and potassic alteration, it can form early where found preserved spatially above ore and extending to the paleosurface, contemporaneous with potassic alteration.

By contrast, assemblages of sodic (Na) plagioclase-actinolite and albite-epidote-chlorite-carbonate (propylitic alteration) are derived from low acid fluids and commonly lack ore minerals. Evidence from geological mapping, fluid inclusions and isotope geochemistry indicate that magmatic fluids dominate acidic alteration associated with ore, and non-magmatic fluids dominate sodic-calcic and propylitic alteration. Veins contain a large percentage of ore minerals in porphyry deposits and include high-temperature, sucrose textured quartz veinlets associated with ore minerals and biotite-feldspar alteration, and moderate-temperature pyritic veins with sericitic envelopes.

Igneous rock compositions associated with porphyry deposits cover virtually the entire range of available compositions. Mineralising porphyries are intermediate to siliceous (>56 wt. % SiO_2) and their aplitic textured groundmass represents crystallisation resulting from abrupt depressurisation of water-rich magma. Small volumes of ultramafic to intermediate rocks, including lamprophyres, show a close spatial and temporal relationship to porphyry ore formation in some deposits.

Understanding porphyry systems depends in part upon bedrock exposure, as it is critical to determine the relative ages of events and correlating them with different locations. Systems with the greatest degree and continuity of exposure generally tend to have been tilted and dismembered by post-mineralisation deformation. Most porphyry-related intrusions with economic mineralisation are small volume (<0.5 km^3) dykes and plugs emplaced at depths between 1 and 6 km. Although some exceptions were emplaced deeper. Deposits commonly occur in clusters above one or more cupolas in the roof of an underlying intermediate to silicic source intrusion. Alteration extends upwards to the paleosurface, downward into the granitoid intrusion that produced the magma and aqueous fluids, and laterally for several kilometres on the sides of a deposit.

7.2 GUICHON CREEK BATHOLITH

Existing major porphyry (Cu±Mo±Au±Ag) deposits in the Guichon Creek Batholith are clustered in the central part of the intrusion. Mineralisation is hosted in the Bethlehem and Bethsaida phases and related dyke swarms and breccias. Removing the displacement effect of local faulting and the deposits lie close to the surface expression of the feeder zone. The deposits at the core of the batholith are associated with dacite porphyry dykes and intrusive breccias which cut the Highland Valley and Bethlehem phases. Anomalous zones are commonly subtle. The overall sulphide content is low with poorly developed pyrite halos of <1%.

In the northern area of the Guichon Creek Batholith the Highland Valley deposits are considered to be orthomagmatic (McMillan *et al*., 1985).

8 2013 EXPLORATION PROGRAM

8.1 INTRODUCTION

Between the dates of February 14th and March 7th of 2013, Aurora Geosciences Ltd. of Yellowknife was contracted to complete ELF surveying on the Property in order to file for assessment and maintain the existing mineral claims in good standing.

ELF or Extreme Low-Frequency is a new electromagnetic geophysical survey technique closely related to Geotech's ZTEM system. The ELF unit itself is man-portable and does not require cut lines in order to conduct surveying. Daily production for the two-person crew is typically on the order of 2 to 4 line-km, depending upon terrain, station spacing and the local geomagnetic conditions. The ELF measures vertical and horizontal components of the natural, time-varying geomagnetic field originating primarily from global lightning activity.

The ELF system calculates the tilt angle or 'tipper' of the magnetic fields between frequencies of 11 Hz to 1440 Hz, which are sensitive to 2D and 3D conductivity contrasts. Both the attitude and the ellipticity of the local magnetic field are measured. The system is designed to image resistivity from depths between 2 km and 10 km, dependent upon the host conductivity structure, and offers a cost-effective alternative to other deep EM imaging techniques such as MT (Magneto-Tellurics), CSAMT (Controlled Source Audio Magneto-Tellurics) or large-loop TEM (Transient Electro-Magnetics).

The ELF system consists of sensors and a laptop PC processor connected by a 10 m cable (necessary to separate sensors from the survey computer in order to reduce its EM noise). The sensor block contains three orthogonal electromagnetic coils, preamplifiers, a digital compass and GPS antenna. The weight of the sensor unit is 11 kg. The processor contains a PC-104 computer running LINUX, a 24-bit ADC, the GPS receiver and other peripheral devices. The power source is an external 14V, rechargeable battery.

8.2 ELF SURVEY EQUIPMENT

ELF System:	1 – Sensor Unit
	1 – Computer
Data Processing:	1 – Laptop w/ Geosoft's Oasis Montaj software
Common Equipment:	1 – Field office equipment
	1 - tool kit and repair box
	1 - SAT phone and 2 - VHF radios, 1 – 4 man survival bag

8.3 SURVEY SPECIFICATONS

Grids:	Varied
Line Spacing:	Varied
Station Spacing:	100 m (some 50 m)
Frequencies:	11, 22, 45, 90, 180, 360, 720 and 1440 Hz
Registration:	Data were registered to WGS84 geodetic co-ordinates using and onboard GPS receiver.

8.4 DATA PROCESSING

Raw ELF tipper vectors were visually examined and irregular readings were rejected from the data set. The 720 Hz and 1440 Hz data were often very noisy and significant amounts of these data had to be rejected. This is normal for surveys conducted at this time of year. Repeat readings were typically taken every 4 to 5 stations and after the irregular readings were eliminated, repeat readings were averaged and the range between minimum and maximum values at repeat stations were recorded in a separate database. The level of repeatability of the data points can be seen in the repeats database, where the range of values is shown for each repeated station.

The ELF data were gridded with 12.5 m cells, smoothed utilizing a 5x5 Gaussian filter and the divergence was calculated. In-phase divergence plots selected frequencies are displayed as a colour grid on a figure with the tipper vectors. The divergence in the real data is a reasonable preliminary proxy for conductivity.

8.5 DISCUSSION OF RESULTS

Despite an apparent lack of evidence of features capable of producing cultural interference, much of the 1440 Hz data was deemed to be unacceptable. The majority of the 720 Hz data is marginal as well.

The data set does have several conductive features. The linear hatched feature labelled **A** is north-south trending and consistent throughout all frequencies (Figure 8-1 & 8-2). Although the response is weak at the lower frequencies, this indicates that the feature extends from near surface to some depth. The feature is also apparent in the quadrature data.

The high divergence feature labelled as **B** also persists throughout the spectrum of survey frequencies. Once again this suggests vertical extent from surface to some depth. The high divergence feature east

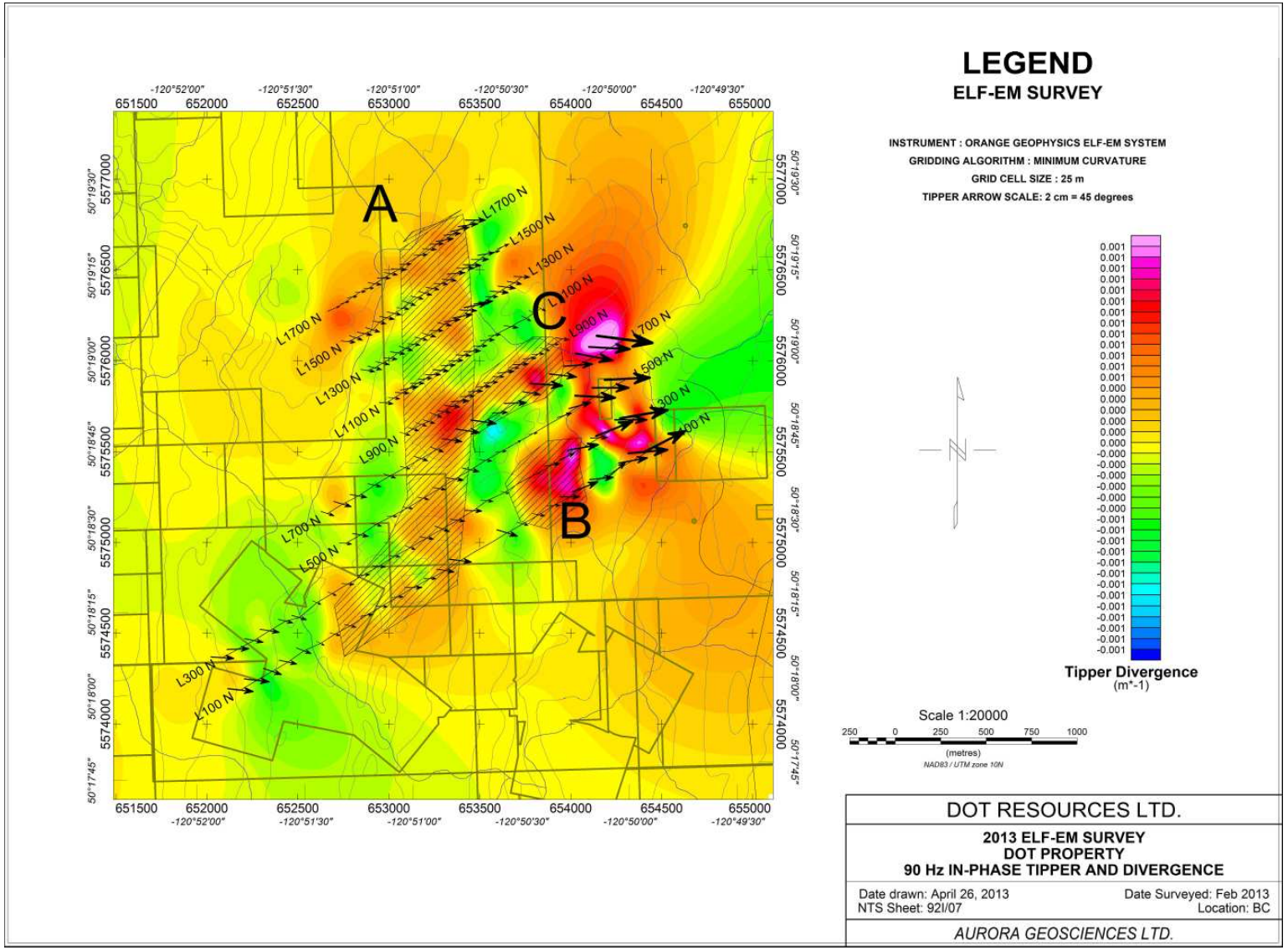

Figure 8-1 – ELF 90 Hz response map.

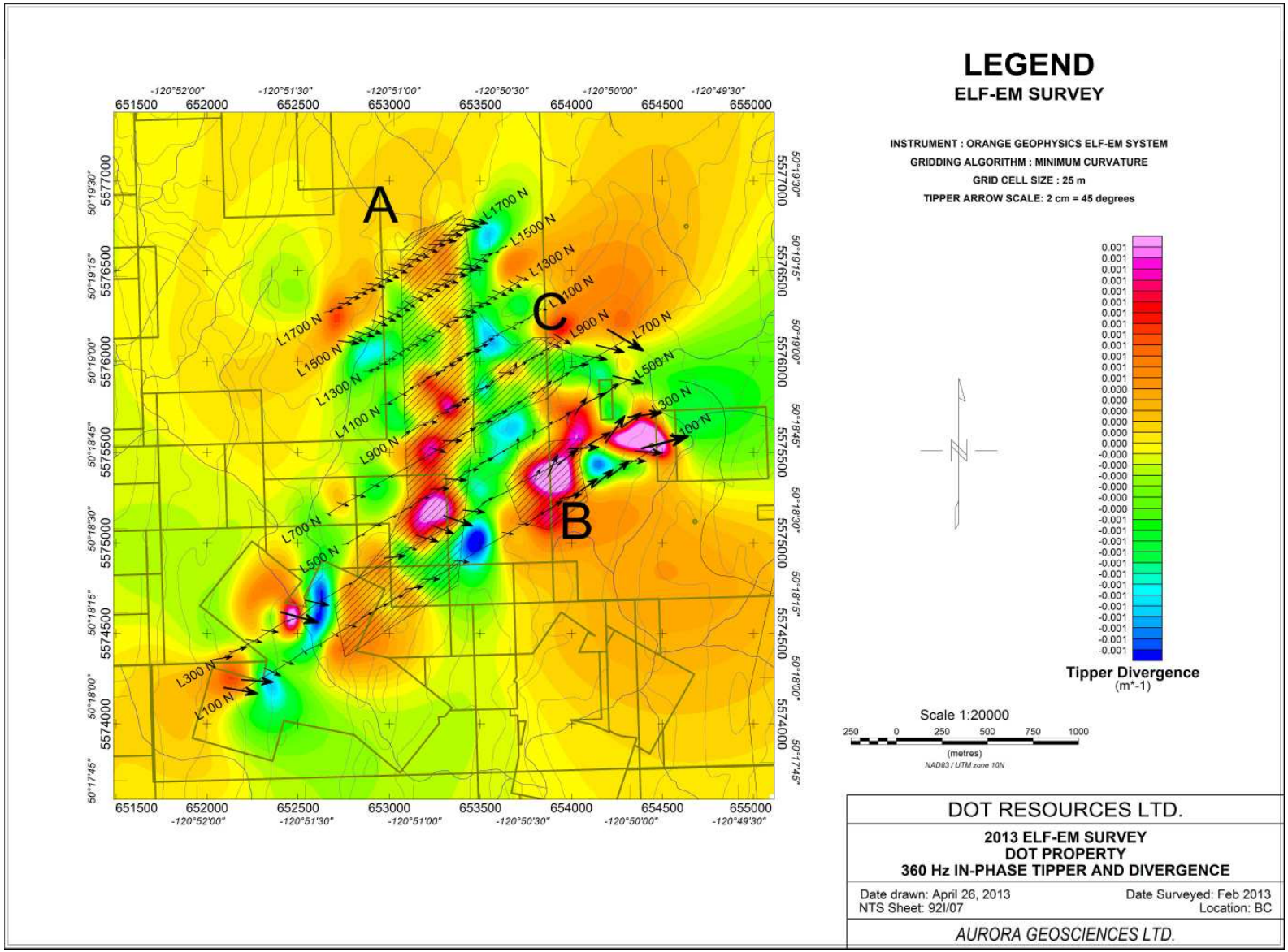

Figure 8-2 – ELF 360 Hz response map.

of **B** (and **C**) is the result of high tipper angles on the grid-east extreme of the line where they are proximal to a power transmission line on the highway. For this reason, any anomalies observed in the data to lie east of **B** should be considered suspect. Feature **C** is also high divergence but only observed between 22 Hz to 180 Hz. This indicates that it does not approach surface as closely as **A** and **B**.

The ELF responses for the Dot Property survey indicate that there is a linear conductivity feature oriented north-south and extending from the area of the Northwest (Upper Vimy) and Lower Vimy zones in the north, through the locations of the Copper and Southeast zones. The feature continues to the south. In addition, a southwest extension of the survey lines was able to locate an anomaly which is coincident with the historic Aberdeen Mine workings.

The correlation of the ELF survey data with known mineralized zones on the Property indicates that further exploration using this survey technique may be used to target diamond drilling aimed at extending the existing zones along strike. In addition, further mineralized zones may be delineated using this survey technique. A 3D inversion of the ELF data is also recommended to integrate the data with drilling results and geology.

9 CONCLUSIONS

The results of the recently completed ELF survey along with historical geological, geochemical and geophysical investigations indicate that widespread copper mineralisation is present on the Property. This is in addition to Dots' proximity to present and past producers in the Highland Valley camp. Work to date supports the following conclusions:

1. Porphyry copper mineralisation, resulting from the intrusion of the multiple-phase Guichon Creek Batholith, is present throughout the Merritt area as evidenced by the number of current and past producing mines, some of which are in close proximity to the Dot Property.

2. The Dot Property is host to geochemical and geophysical anomalies related to a large-scale porphyry copper mineralisation event.

3. ELF surveys, while adversely affected by the presence of cultural features such as transmission lines, have outlined anomalies that demonstrate vertical and strike extent of conductive targets.

4. Further detailed ELF and IP surveying and prospecting should be completed across the Property to help define some of the known mineralized zones but also provide some exploration targets to increase the geological resource at Dot. A second phase of diamond drilling could certainly be envisioned with some additional targets, including those identified during this most recent survey.

10 RECOMMENDATIONS

The following program and budget is recommended:

Phase 1

Geophysics (4 man crew)

Prospecting – 5 days for 2 guys @ $1300 per day	$	6,500.00
Assaying – 35 samples @ $35 per sample	$	1,225.00
Geophysical gear prep	$	1,200.00
ELF Survey– 15 days @ $1,450 per day	$	21,750.00
IP Survey 20 days @ $2450 per day	$	49,000.00
Two days mobe and demobe- 6 guys @ $1,450 per day	$	2,900.00
Expediting 40 hrs @ $80 per hour (including truck)	$	3,200.00
Processing data – 6 days (IP) 6 days (Elf) @ $750 per day	$	9,000.00
Room and Board – 4 guys for 25 days @ $135/man per day	$	13,500.00
Room and Board - 2 guys for 18 days @ $135/man per day	$	4,860.00
Safety gear @ $45 per day X 30 days	$	1,350.00
Assessment Report	$	6,500.00
Sub-total Budget for Geophysical Program	**$**	**120,985.00**
Plus 5% GST	$	6,000.00
Plus 10% Contingency	$	12,000.00
Total Geophysical Program Budget	**$**	**138,985.00**

This geophysical program should bring any higher priority copper targets to the drill phase.

Phase 2

Diamond Drilling

Assume a minimum of 2000m at $400 per meter all inclusive	$	800,000.00
10% Contingency	$	80,000.00
Total Drill Budget if feasible for 2013	**$**	**880,000.00**

Total Phase 1 and Phase 2 Budget for 2013	**$**	**1,018,985.00**

Respectfully submitted,

May 15, 2013

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Robin Wyllie, B.Sc.(Hon.), P.Geol.

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STATEMENT OF QUALIFICATIONS

I, Robin James Wyllie, B.Sc. (Hon.), P.Geol., with business and residence addresses in Yellowknife, in the Northwest Territories, Canada, HEREBY CERTIFY:

1. That my business address is 3506 McDonald Drive, Yellowknife, NT, X1A 2H1

2. This certificate applies to the report titled "Assessment Report – Dot Property" and dated May 15th, 2013.

3. That I am a graduate of the Centre of Geographic Sciences (formerly Nova Scotia Land Survey Institute) with a Diploma in Remote Sensing and Airphoto Interpretation obtained in 1983.

4. That I am a graduate of the University of Waterloo with an Honours B.Sc. in Co-op Applied Earth Sciences obtained in 1989.

5. At the time of writing this report I have 24 years of exploration experience in gold, diamond and base metals (geological mapping, geochemical sampling & interpretation, geomatics and report writing), 16 years as a professional.

6. That I supervised the preparation of all sections of this report.

7. That I am a registered Professional Geologist in the Northwest Territories & Nunavut (#1638) and Alberta (#60998) and employed by Aurora Geosciences Ltd. of Yellowknife.

8. That I am not aware of any material fact or material change with respect to technical aspects of the report which is not reflected in the report, and that all required scientific and technical information has been disclosed in order to make the report not misleading.

Dated, May 15, 2013 at Yellowknife, NT.

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Robin Wyllie, B.Sc.(Hon.), P.Geol.

APPENDIX I

STATEMENT OF EXPENDITURES

Crew Chief (P.Geoph.) – $700/day X 9 days		$ 6,300.00
1 Labourer - $400 per day X 9 days		$ 3,600.00
ELF Rental - $750/day X 9 days		$ 6,750.00
Room and Board - $140/man day X 2 men X 9 days		$ 2,520.00
Misc. Field Gear Rental – $150/day X 9 days		$ 1,350.00
Vehicle Rental & Gas - $150/day x 9 days		$ 1,350.00
Report - $360/day x 5 days		$ 1,795.00
Additional comm. transportation - $100/day	x 9 days	$ 900.00
Total Exploration Expenditures		**$ 24,565.00**

APPENDIX II

PERSONNEL ON PROPERTY

Gabe Fortin	34A Laberge Road, Whitehorse, YT	Feb 14-Mar 7	7 days
Bill Switzer	34A Laberge Road, Whitehorse, YT	Feb 14-Mar 7	7 days
Total Man Days			**14 days**

APPENDIX III

2013 GEOPHYSICAL SURVEY GRIDS

Line	Point	LAT	LON	Alt	X	Y	GPSt	Pt	Rl	Az	Dur	IndNs	rE_0011	rN_0011	iE_0011	iN_0011	SNI_0011	rE_0022	rN_0022	iE_0022
900	800	50.31201	-120.846	1015.1	1928972	5770420	175003	4.1	2.7	12.5	227	10.9	0.082	-0.065	0.197	0.042	77.1	0.155	-0.007	0.111
999	999	50.31201	-120.846	1015.6	1928971	5770421	175642	19.4	-9.9	258.2	245	10	0.019	-0.15	0.109	0.015	93.1	0.126	-0.039	0.082
900	800	50.31261	-120.85	1079.2	1928714	5770418	183359	19.5	3.7	289.4	191	7.1	0.087	-0.085	0.151	0.016	82.2	0.156	-0.046	0.066
900	800	50.3126	-120.85	1079.4	1928714	5770418	183649	19.3	3.6	289.5	150	7.3	0.086	-0.076	0.176	0.035	79.7	0.147	-0.054	0.078
900	800	50.31283	-120.849	1070.4	1928753	5770455	184642	22.1	-7.8	233	187	7.9	0.103	-0.096	0.169	0.02	84.2	0.153	-0.072	0.075
900	800	50.31305	-120.849	1069.4	1928790	5770493	185314	23.8	-9.2	231.4	193	8.8	0.088	-0.102	0.179	0.014	87.1	0.157	-0.072	0.079
900	800	50.31318	-120.848	1051.8	1928828	5770518	190155	23.7	17.4	272.4	188	9.7	0.085	-0.101	0.159	0.024	102	0.157	-0.056	0.086
900	800	50.31349	-120.847	1028.2	1928859	5770563	190957	13.4	-16.3	252.4	143	9.8	0.081	-0.085	0.186	0.023	70.9	0.142	-0.063	0.074
900	800	50.31364	-120.847	1022.3	1928898	5770593	191522	20.9	-8.8	265.4	178	11.4	0.099	-0.097	0.168	0.032	91.3	0.16	-0.046	0.093
900	800	50.31364	-120.847	1022	1928898	5770593	191724	20.9	-8.7	265	109	10.8	0.112	-0.063	0.195	0.055	73.8	0.158	-0.042	0.09
900	800	50.31389	-120.846	1024.8	1928935	5770633	192253	13.5	-20	246.7	145	11.7	0.113	-0.078	0.186	0.029	82.8	0.173	-0.027	0.113
900	800	50.31412	-120.846	1026.3	1928970	5770670	192827	26.7	-8.7	249	176	11.6	0.108	-0.067	0.176	0.032	79.3	0.172	-0.017	0.093
900	800	50.31435	-120.845	1027.8	1929005	5770707	193340	28.1	-24.5	264.1	140	13.2	0.095	-0.059	0.182	0.043	68.3	0.15	-0.009	0.11
900	800	50.31458	-120.844	1024.9	1929042	5770744	193917	18.5	-12	246.1	133	13.3	0.078	-0.066	0.185	0.049	64.2	0.138	-0.02	0.081
900	800	50.31481	-120.844	1019.7	1929077	5770781	194458	0.5	-0.9	244	190	12.5	0.092	-0.069	0.177	0.055	78.5	0.153	-0.017	0.104
900	800	50.315	-120.843	1013.6	1929113	5770815	195028	14	-4.4	234.3	180	11.2	0.068	-0.057	0.186	0.022	71.8	0.142	-0.014	0.081
900	800	50.31527	-120.842	1003.3	1929147	5770857	195551	11.4	-5.8	291.9	169	12.1	0.045	-0.073	0.178	0.046	70	0.119	-0.024	0.078
900	800	50.31527	-120.842	1003.6	1929147	5770856	195745	11.3	-5.8	292.1	100	13.6	0.082	-0.07	0.193	0.025	58.3	0.117	-0.016	0.069
900	800	50.3155	-120.842	1005.8	1929182	5770893	200232	12.2	-4.3	319.6	152	13.9	0.061	-0.066	0.189	0.045	66.1	0.109	-0.012	0.075
900	800	50.3157	-120.841	1002.2	1929219	5770927	200645	10.9	-14.5	275.8	137	13.2	0.038	-0.081	0.186	0.031	63.9	0.104	-0.033	0.07
900	800	50.31587	-120.841	1004.9	1929252	5770957	201220	19.2	2.2	243.3	147	14	0.04	-0.082	0.194	0.026	63.4	0.118	-0.028	0.082
900	800	50.31614	-120.84	1000.7	1929292	5771001	201748	19.6	0.9	202.5	180	14.4	0.042	-0.078	0.19	0.029	75.5	0.112	-0.031	0.068
900	800	50.31614	-120.84	1001	1929292	5771001	202023	19.5	0.9	202.7	139	14.8	0.05	-0.084	0.178	0.026	66.9	0.114	-0.016	0.08
900	800	50.31636	-120.839	995.7	1929331	5771037	202516	11.1	-13.3	206.4	167	14.5	0.022	-0.08	0.193	0.04	69.9	0.102	-0.036	0.074
900	800	50.31658	-120.839	991.2	1929364	5771073	203128	9.8	-17	230.3	210	16.1	0.027	-0.113	0.188	0.016	87.4	0.091	-0.047	0.081
900	800	50.31682	-120.838	983	1929404	5771112	203657	-17	18.5	4.1	155	16.7	-0.024	-0.095	0.186	0.027	70.5	0.067	-0.039	0.059
900	800	50.31708	-120.837	988.1	1929442	5771154	204525	32	0.3	105.4	145	16.4	0.031	-0.07	0.172	0.004	74.6	0.09	-0.04	0.085
900	800	50.31707	-120.837	988.5	1929442	5771153	204824	32.1	0.2	105.4	166	17.6	-0.017	-0.092	0.174	0.02	75	0.08	-0.041	0.074
900	800	50.31862	-120.839	1016.7	1929285	5771292	211342	27.7	-14.2	144.1	161	15.5	0.047	-0.082	0.189	0.025	78.5	0.11	-0.043	0.088
900	800	50.31862	-120.839	1017.1	1929285	5771292	211601	-17.8	-15.5	243.3	105	15	0.03	-0.12	0.174	-0.017	51.4	0.081	-0.053	0.076
900	800	50.31842	-120.84	1022.8	1929251	5771258	212104	11.8	17.9	28.7	168	13.6	0.041	-0.097	0.147	0.023	69.5	0.113	-0.029	0.089
900	800	50.31814	-120.84	1019	1929218	5771216	212628	35.8	-4.7	159.3	146	12.9	0.004	-0.078	0.199	0.047	52.6	0.108	-0.047	0.089
900	800	50.31797	-120.841	1014.8	1929179	5771185	213119	1.9	5.8	100.4	172	11.8	0.076	-0.059	0.156	0.028	57.9	0.151	-0.018	0.068
900	800	50.31776	-120.841	1014.7	1929146	5771151	213514	7	-5.2	145.1	137	11.7	0.091	-0.06	0.156	0.021	62.8	0.14	-0.047	0.092
900	800	50.31776	-120.841	1014.9	1929146	5771151	213744	7	-5.2	144.7	138	12.3	0.083	-0.1	0.163	0.039	53.1	0.15	-0.044	0.083
900	800	50.31736	-120.843	1010	1929067	5771081	214913	-0.3	-2.8	354.3	131	10.1	0.059	-0.027	0.166	0.039	59.3	0.142	0.021	0.092
900	800	50.31712	-120.843	1015.7	1929035	5771044	215519	12.3	-6	44.4	178	9.7	0.09	-0.033	0.177	0.028	73.7	0.143	0.007	0.088
900	800	50.31684	-120.844	1020.4	1929005	5771002	215907	16.1	1.3	49	70	11.3	0.082	-0.037	0.161	0.06	39.4	0.158	0	0.085
900	800	50.31684	-120.844	1020.6	1929005	5771002	220023	16.2	1.3	49.2	60	10.5	0.077	-0.033	0.197	0.055	48.3	0.137	0	0.107
900	800	50.31659	-120.844	1020.5	1928968	5770962	220452	1.5	-9.6	119.7	129	9.6	0.159	-0.035	0.179	0.033	53.9	0.186	0	0.106
900	800	50.31641	-120.845	1022	1928925	5770928	220940	3.4	-14.2	258.6	154	10.4	0.122	-0.072	0.208	0.025	62.8	0.17	-0.036	0.087
900	800	50.31614	-120.846	1024.3	1928891	5770887	221404	16.9	-13.5	37.5	121	9.4	0.108	-0.06	0.17	0.054	48.3	0.168	0.006	0.1
900	800	50.31614	-120.846	1024.8	1928892	5770887	221623	16.8	-13.5	37.6	116	8.9	0.123	-0.031	0.144	0.04	56.8	0.158	0.008	0.09
900	800	50.31591	-120.846	1026.1	1928856	5770850	222201	16.1	-5.2	83.4	195	8.6	0.132	-0.052	0.17	0.043	87.9	0.183	-0.003	0.101
900	800	50.31568	-120.847	1029.6	1928822	5770813	222722	22.5	-16	164.4	178	7.2	0.099	-0.064	0.163	0.026	69.8	0.177	-0.024	0.084
900	800	50.31548	-120.848	1047.5	1928786	5770779	223255	17.1	-9.6	111.7	116	7.5	0.111	-0.077	0.153	0.016	59.4	0.191	0.008	0.096

Line	Point	LAT	LON	Alt	X	Y	GPSt	Pt	Rl	Az	Dur	IndNs	rE_0011	rN_0011	iE_0011	iN_0011	SNI_0011	rE_0022	rN_0022	iE_0022
900	800	50.31528	-120.848	1062.1	1928749	5770745	223825	8.8	-17	20.1	137	7.8	0.115	-0.041	0.177	0.03	61.3	0.169	0.017	0.068
900	800	50.31506	-120.849	1066.9	1928712	5770709	224245	23	-10.4	92.6	113	7.2	0.091	-0.085	0.137	0.032	63.8	0.166	-0.014	0.089
900	800	50.31506	-120.849	1067	1928712	5770709	224511	23	-10.4	92.8	126	7.4	0.128	-0.083	0.169	0.024	60.2	0.168	-0.021	0.089
900	800	50.31483	-120.849	1067.1	1928676	5770671	224956	21.2	-8.7	189.1	133	7.1	0.111	-0.043	0.186	0.028	65.8	0.188	-0.012	0.054
900	800	50.31461	-120.85	1074.8	1928644	5770636	225544	15.2	-6.8	108.6	172	6.5	0.129	-0.056	0.162	0.048	72.3	0.198	-0.008	0.063
900	800	50.31437	-120.851	1084.5	1928605	5770596	230045	11.8	-6.4	325.3	142	7	0.099	-0.077	0.167	0.037	59.4	0.169	-0.018	0.07
900	800	50.31414	-120.851	1081.5	1928570	5770559	230523	14.5	-18.6	86.7	150	6	0.109	-0.065	0.194	0.028	46.9	0.179	-0.014	0.076
900	800	50.31415	-120.851	1079.7	1928570	5770560	230832	4.1	-11.4	283.3	152	5.7	0.076	-0.098	0.185	0.039	65	0.157	-0.031	0.094
900	800	50.31577	-120.853	1087.1	1928424	5770712	232800	11.6	-5.3	301.8	135	5.8	0.125	-0.08	0.157	0.015	51.5	0.17	-0.008	0.083
900	800	50.31576	-120.853	1086.2	1928424	5770710	233102	-4.2	2.6	156.9	154	5.5	0.125	-0.062	0.149	0.028	68	0.188	-0.026	0.082
900	800	50.31589	-120.852	1086.2	1928459	5770736	233418	19	-17.6	244.6	102	6.6	0.152	-0.054	0.166	-0.024	44.8	0.17	-0.048	0.073
900	800	50.31612	-120.851	1084.3	1928495	5770773	233831	14.8	-38.1	294.2	106	5.7	0.071	-0.045	0.211	0.065	52.3	0.155	-0.027	0.068
900	800	50.31635	-120.851	1083.8	1928531	5770810	234335	8.9	-15.6	37.9	138	5.8	0.117	-0.056	0.178	0.031	63.1	0.176	-0.001	0.085
900	800	50.31662	-120.85	1082.6	1928563	5770851	234734	20.8	-16.6	277	113	8.3	0.116	-0.088	0.169	0.027	46.6	0.157	-0.032	0.059
900	800	50.31663	-120.85	1083.1	1928562	5770852	234947	23.5	-0.7	147.4	84	7.8	0.129	-0.046	0.156	0.016	43.1	0.193	-0.05	0.085
900	800	50.31682	-120.85	1076.9	1928602	5770886	235335	17.7	-21.5	211.5	106	8.1	0.109	-0.085	0.161	0.043	50.1	0.167	-0.046	0.064
900	800	50.31701	-120.849	1079.3	1928639	5770919	235724	29.7	-16.3	321.9	94	7	0.133	-0.087	0.166	0.016	42.4	0.177	-0.029	0.083
900	800	50.31729	-120.848	1077.6	1928672	5770961	206	15.9	5.8	286.8	155	8.8	0.126	-0.065	0.178	0.016	58.1	0.155	-0.035	0.081
900	800	50.31746	-120.848	1070.7	1928710	5770992	546	22.9	-5.9	193	93	9	0.132	-0.064	0.171	0.023	44.1	0.173	-0.039	0.098
900	800	50.31746	-120.848	1070.5	1928710	5770992	724	14.6	-4.9	74.5	65	9.3	0.139	-0.057	0.144	0.017	40.7	0.21	0.042	0.052
900	800	50.31767	-120.847	1067.3	1928745	5771027	1112	14.1	-6.4	27.7	95	8.5	0.102	-0.04	0.182	0.049	96	0.157	0.007	0.08
900	800	50.31798	-120.847	1063.3	1928779	5771073	1531	-1.4	-10.7	225.3	121	9.5	0.087	-0.069	0.155	0.043	50.7	0.164	-0.04	0.099
900	800	50.31815	-120.846	1062.7	1928816	5771104	1951	-2.6	-3.7	9	106	10.5	0.114	-0.004	0.214	0.022	47.3	0.161	0.025	0.068
900	800	50.31835	-120.845	1041.6	1928866	5771141	2637	20.9	-4.6	92.9	107	11.5	0.193	-0.061	0.136	-0.01	46	0.199	0.026	0.091
900	800	50.31863	-120.845	1024.3	1928891	5771182	3136	10.9	-24.1	217.9	86	10.4	0.104	-0.079	0.159	0.029	63.1	0.194	0.019	0.09
900	800	50.31863	-120.845	1024.4	1928891	5771182	3533	2.4	-6.6	20.7	136	10.8	0.152	-0.015	0.183	0.036	41.5	0.163	0.038	0.09
900	800	50.31887	-120.844	1017.3	1928924	5771220	4015	21.4	-26.1	156.5	98	13	0.165	-0.067	0.198	0.003	34.6	0.255	0.057	0.066

iN_0022	SNI_0022	rE_0045	rN_0045	iE_0045	iN_0045	SNI_0045	rE_0090	rN_0090	iE_0090	iN_0090	SNI_0090	rE_0180	rN_0180	iE_0180	iN_0180	SNI_0180	rE_0360	rN_0360	iE_0360	iN_0360
0.033	196.5	0.195	-0.008	0.052	0.014	354.4	0.202	0.002	0.006	0.005	418.8	0.196	0.01	-0.006	0.02	174	0.32	-0.027	-0.066	-0.034
0.033	208.3	0.22	-0.024	0.044	0.016	310.9	0.216	-0.017	-0.011	0.012	376	0.204	-0.007	-0.013	0.014	160.1	0.278	-0.058	-0.047	0.021
0.024	183.3	0.303	-0.045	-0.155	-0.018	218.6	0.206	-0.05	-0.161	-0.017	314.7	0.113	-0.034	-0.118	0.017	137.1	0.147	0.233	-0.164	0.008
0.021	169.7	0.152	-0.05	0.014	0.01	363.3	0.138	-0.054	-0.048	0.012	401.5	0.082	-0.046	-0.082	0.017	140.8	0.118	0.116	-0.128	0.015
0.019	175.6	0.166	-0.05	0.015	0.014	323.2	0.146	-0.049	-0.047	0.013	364.7	0.1	-0.047	-0.068	0.029	123	-0.047	0.07	-0.154	-0.02
0.025	190.7	0.173	-0.046	0.003	0.012	325.2	0.15	-0.049	-0.053	0.006	384.5	0.113	-0.033	-0.067	0.022	163.4	0.135	-0.001	-0.101	-0.009
0.012	187.6	0.181	-0.053	-0.001	0.004	319.7	0.158	-0.054	-0.046	0.001	419.7	0.124	-0.045	-0.052	0.005	177.1	0.217	-0.002	-0.061	-0.021
0.018	152.5	0.177	-0.057	0.024	0.007	283.7	0.156	-0.06	-0.031	-0.001	315.7	0.117	-0.066	-0.046	0	130.7	0.06	-0.028	-0.132	0.012
0.019	176.5	0.187	-0.033	0.029	0.004	327.4	0.188	-0.03	-0.026	0	443.8	0.159	-0.024	-0.039	-0.006	183.1	0.144	0.001	-0.045	-0.111
0.035	145.3	0.197	-0.03	0.013	0.004	269.7	0.189	-0.03	-0.026	-0.008	372.6	0.17	-0.034	-0.056	-0.014	119.9	0.236	-0.113	0.007	-0.063
0.027	160.4	0.2	-0.018	0.062	0.026	307.4	0.209	-0.016	0.013	0.022	393.4	0.213	0.013	-0.017	0.031	159.6	0.239	0.071	-0.105	-0.033
0.036	149.7	0.242	-0.005	0.006	0.032	236.6	0.238	0.009	-0.022	0.029	336.7	0.212	0.031	-0.012	0.032	148.1	0.242	0.106	-0.015	-0.007
0.028	136	0.194	-0.004	0.034	0.031	239.9	0.19	0.008	-0.005	0.03	330.7	0.186	0.035	-0.04	0.031	126.1	0.342	0.077	-0.065	0.027
0.032	136.2	0.197	-0.003	0.031	0.021	215	0.201	0.011	-0.03	0.025	307.6	0.183	0.034	-0.034	0.012	141.6	0.249	0.189	-0.143	0.015
0.031	151.3	0.183	-0.001	0.034	0.025	254.5	0.195	0.012	-0.015	0.024	344.8	0.19	0.027	-0.026	0.034	160.2	0.183	0.051	-0.102	-0.006
0.025	128.7	0.17	0.004	0.014	0.027	218.8	0.19	0.012	-0.049	0.016	288.5	0.154	0.036	-0.06	0.019	127.5	0.064	0.104	-0.143	0.001
0.03	140.3	0.148	-0.007	0.013	0.013	231.9	0.157	0	-0.057	-0.008	305	0.132	0.007	-0.092	0.002	145.7	0.094	0.04	-0.147	-0.01
0.034	108.8	0.192	0.021	-0.033	0.002	175.2	0.187	0.015	-0.098	-0.016	226	0.104	0.003	-0.081	-0.013	132.2	0.117	0.057	-0.159	0.04
0.021	130.6	0.212	0.025	-0.059	0.003	176	0.22	0.027	-0.123	-0.029	264.5	0.143	0.032	-0.097	-0.03	148.4	0.198	-0.011	-0.148	-0.14
0.021	122.8	0.123	-0.012	0.008	0.013	212.6	0.137	-0.011	-0.063	-0.005	276.1	0.107	0.009	-0.087	-0.004	139.6	0.051	0.151	-0.116	-0.133
0.017	116.3	0.201	-0.003	-0.064	0.005	154.1	0.207	0.012	-0.135	-0.015	227.2	0.141	0.006	-0.107	-0.03	141.3	0.154	0.085	-0.144	-0.061
0.013	135.7	0.16	0.007	-0.042	0.012	200	0.18	0.011	-0.114	-0.015	269.4	0.115	0.016	-0.118	-0.019	169.8	0.115	0.048	-0.157	-0.077
0.016	127.4	0.223	0.003	-0.074	-0.008	161.8	0.217	0.006	-0.14	-0.017	255.5	0.168	0.01	-0.128	-0.014	137.2	0.183	-0.049	-0.184	-0.109
0.023	139	0.173	0.009	-0.028	0.007	193.4	0.174	0.006	-0.081	-0.005	293.9	0.107	-0.022	-0.089	-0.013	181.7	0.143	0.032	-0.149	-0.1
0.012	148.6	0.119	-0.036	-0.004	-0.002	265.2	0.131	-0.037	-0.059	-0.026	346.6	0.119	-0.025	-0.073	-0.044	175.8	0.112	0.027	-0.157	-0.126
-0.002	120.8	0.115	-0.026	-0.013	-0.009	208.5	0.139	-0.001	-0.098	-0.049	234.6	0.198	-0.059	-0.161	-0.074	148.5	0.174	-0.078	-0.217	-0.075
-0.002	124.5	0.146	-0.038	-0.008	-0.012	199.6	0.193	-0.027	-0.081	-0.042	278.3	0.192	-0.035	-0.109	-0.061	155.8	0.228	-0.145	-0.156	-0.081
-0.002	128.2	0.133	-0.041	0.004	-0.019	206	0.135	-0.045	-0.062	-0.04	298	0.129	-0.047	-0.079	-0.076	177.2	0.138	-0.033	-0.092	-0.193
-0.004	146.2	0.159	-0.045	0.003	-0.021	237	0.186	-0.06	-0.053	-0.046	332.8	0.158	-0.057	-0.064	-0.056	180.4	0.163	-0.117	-0.126	-0.104
0.004	109.3	0.105	-0.06	0.03	-0.026	206.8	0.133	-0.072	-0.023	-0.045	296.3	0.112	-0.067	-0.052	-0.049	155.7	0.135	-0.034	-0.118	-0.038
0.005	124.7	0.136	-0.044	0.004	-0.023	231.6	0.134	-0.065	-0.046	-0.052	328.3	0.145	-0.122	-0.115	-0.084	192.3	0.226	-0.253	-0.2	-0.045
-0.011	135.8	0.119	-0.054	0.022	-0.025	258.4	0.126	-0.074	-0.023	-0.045	385.2	0.104	-0.085	-0.058	-0.059	177.2	0.077	0.03	-0.105	-0.117
-0.001	120	0.284	-0.013	-0.133	-0.04	161.3	0.233	-0.016	-0.129	-0.069	305.5	0.14	-0.053	-0.076	-0.077	171.4	0.126	0.01	-0.11	-0.137
0.007	128.8	0.162	-0.034	0.026	-0.02	259.2	0.163	-0.045	-0.023	-0.031	402.4	0.139	-0.06	-0.049	-0.053	227.6	0.106	-0.058	-0.07	-0.037
-0.002	118.3	0.182	-0.021	0.005	-0.019	204.4	0.189	-0.03	-0.048	-0.04	307	0.156	-0.043	-0.065	-0.055	188.3	0.128	-0.053	-0.068	-0.061
0.016	130.2	0.164	0.016	0.016	0.001	240.2	0.172	0.019	-0.033	-0.007	342.4	0.135	0.019	-0.039	-0.011	157.3	0.107	0.004	-0.098	-0.062
0.021	152.2	0.191	0.013	0.01	-0.007	275.4	0.19	0.012	-0.035	-0.018	425.7	0.164	0.007	-0.053	-0.032	173.5	0.155	0.071	-0.074	0.004
-0.003	102.1	0.179	0.009	0.038	0.006	190.2	0.192	0.01	0.006	-0.006	285.6	0.166	0.015	-0.032	-0.032	109.5	0.197	0.123	-0.068	-0.049
0.024	107.5	0.164	0.006	0.05	0.004	218	0.178	0.008	0.001	-0.003	263	0.18	0.028	-0.041	-0.038	102.4	0.201	0.058	-0.058	-0.076
0.037	129.8	0.214	0.011	0.048	0.009	250.8	0.227	0.006	0.003	0.004	378.5	0.217	0.019	-0.012	0.004	171.7	0.226	0.051	-0.075	-0.108
0.018	152.4	0.201	-0.023	0.044	0.009	298.8	0.202	-0.015	0.002	0.004	442.7	0.19	-0.005	-0.014	0.014	203.2	0.2	0.085	-0.031	-0.01
0.022	115.8	0.191	0.013	0.046	0.009	245.7	0.213	0.017	-0.014	0.003	329.1	0.188	0.023	-0.042	0	149.9	0.185	0.131	-0.047	0.007
0.03	123.9	0.193	0.002	0.047	0.013	260.5	0.196	0.005	0.006	0.005	374.7	0.171	0.01	-0.019	0.011	142.7	0.176	0.071	-0.032	-0.029
0.027	169.7	0.199	0.008	0.049	0.015	371.7	0.204	0.005	-0.004	0.008	540.2	0.18	0.009	-0.028	0.009	191.4	0.169	0.041	-0.025	-0.017
0.021	160.5	0.226	-0.019	0.006	0.013	275.3	0.217	-0.017	-0.035	0.012	418.9	0.177	0	-0.021	0.032	219.1	0.136	0.041	-0.023	0.078
0.01	131.4	0.205	-0.001	0.049	0.006	283.8	0.208	-0.002	-0.003	0.015	403.3	0.186	0.012	-0.01	0.035	217.4	0.189	0.067	-0.008	0.011

iN_0022	SNI_0022	rE_0045	rN_0045	iE_0045	iN_0045	SNI_0045	rE_0090	rN_0090	iE_0090	iN_0090	SNI_0090	rE_0180	rN_0180	iE_0180	iN_0180	SNI_0180	rE_0360	rN_0360	iE_0360	iN_0360
0.026	159.6	0.219	0.031	-0.009	-0.001	260.2	0.189	0.024	-0.042	-0.002	392.2	0.147	0.036	-0.029	0.018	173.6	0.107	0.102	-0.042	0.031
0.02	150.5	0.183	-0.015	0.015	0.007	328.1	0.168	-0.021	-0.025	0.007	443.4	0.135	-0.021	-0.052	0.015	193.2	0.069	-0.036	-0.064	0.043
0.018	141.7	0.205	0.007	-0.002	-0.011	270.5	0.19	0	-0.046	-0.005	400.4	0.142	-0.009	-0.055	0.003	182.5	0.075	-0.043	-0.045	0.057
0.004	156.2	0.257	0.055	-0.03	-0.029	252.5	0.239	0.053	-0.098	-0.049	342.5	0.155	0.001	-0.072	0.002	211.8	0.116	0.082	-0.053	-0.01
0.016	159.7	0.232	-0.005	-0.017	0.001	312.3	0.192	-0.012	-0.04	0.009	494.2	0.155	-0.001	-0.057	0.019	258.7	0.112	-0.04	-0.088	0.047
0.025	159	0.181	-0.018	0.02	0.012	292.1	0.159	-0.021	-0.031	0.006	439.4	0.126	-0.022	-0.048	0.03	235.9	0.076	0.026	-0.052	0.029
0.011	140.9	0.212	-0.015	0.029	0.008	271.7	0.194	-0.018	-0.025	0.006	406.4	0.158	-0.02	-0.046	0.023	217.5	0.159	0.009	-0.074	-0.004
0.021	163	0.172	-0.031	0.033	0.003	348.4	0.167	-0.044	-0.02	0.004	503.5	0.138	-0.03	-0.041	0.026	313.3	0.129	0.001	-0.045	0.024
0.021	133.9	0.195	-0.004	0.028	-0.001	303.5	0.191	-0.029	-0.017	-0.007	421.2	0.185	-0.024	-0.036	0.007	263.9	0.142	0.004	-0.073	0.022
0.01	150.6	0.233	-0.02	0.013	-0.006	293.5	0.218	-0.041	-0.025	-0.006	394.2	0.193	-0.044	-0.029	0.02	220.8	0.125	-0.044	-0.089	0.028
0.011	112.7	0.19	-0.029	0.025	-0.004	241.8	0.192	-0.046	-0.017	-0.007	311.3	0.179	-0.037	-0.042	-0.002	209.3	0.14	0.014	-0.072	0.037
0.013	131.5	0.188	-0.021	0.031	-0.005	245.6	0.18	-0.036	-0.009	-0.005	328.6	0.162	-0.041	-0.03	0.004	186.3	0.138	-0.009	-0.107	0.002
0.017	156.7	0.193	-0.004	0.028	-0.005	320.7	0.188	-0.02	-0.021	-0.019	411.3	0.174	-0.029	-0.039	-0.007	239.2	0.13	0.003	-0.061	0.016
0.02	115.5	0.23	0.005	-0.034	-0.037	210.5	0.2	-0.034	-0.067	-0.039	311.7	0.15	-0.065	-0.062	-0.02	197	0.129	-0.057	-0.102	-0.034
-0.005	94.3	0.214	-0.031	0.017	-0.007	207.7	0.191	-0.057	-0.025	-0.013	278.1	0.175	-0.066	-0.044	-0.004	158.5	0.11	-0.093	-0.052	-0.013
0.006	121.8	0.183	-0.04	0.032	0.002	249.5	0.184	-0.057	-0.027	-0.008	324.6	0.158	-0.066	-0.041	0.002	211.4	0.109	-0.044	-0.072	0.013
0.038	96.9	0.169	-0.002	0.017	-0.019	216.3	0.168	-0.017	-0.013	-0.018	291.7	0.151	-0.036	-0.044	-0.005	189.5	0.141	-0.02	-0.039	-0.002
0.008	156.4	0.187	-0.012	0.018	-0.019	309.9	0.172	-0.041	-0.021	-0.021	414.1	0.161	-0.047	-0.041	-0.011	266.8	0.148	-0.07	-0.041	0.001
0.024	115.8	0.183	-0.035	0.036	-0.008	260.6	0.182	-0.051	0	-0.015	377.9	0.165	-0.06	-0.02	-0.005	241.7	0.131	-0.036	-0.041	0.004
0.011	87.2	0.274	0.029	-0.055	-0.041	149.8	0.23	-0.017	-0.059	-0.031	250	0.175	-0.027	-0.021	-0.003	194.8	0.12	-0.037	-0.033	0.012
0.013	212.8	0.182	0.02	0.048	-0.004	411.1	0.179	-0.003	0.004	-0.02	646.4	0.163	-0.017	-0.014	-0.01	477.6	0.122	-0.039	-0.025	0.001
0.012	129.8	0.197	-0.012	0.033	-0.014	280.2	0.189	-0.038	-0.012	-0.024	381.2	0.17	-0.045	-0.031	-0.009	261	0.157	-0.071	-0.045	0.004
0.002	127.9	0.2	0.044	0.029	-0.013	228.1	0.222	0.033	-0.031	-0.048	323.4	0.189	0.003	-0.019	-0.017	239.8	0.162	0.022	-0.025	-0.001
0	99	0.273	0.08	0.008	-0.032	189	0.27	0.054	-0.005	-0.023	327.8	0.245	0.016	-0.022	-0.016	251.7	0.248	0.005	-0.004	0.008
0.001	123.2	0.204	0.007	0.054	-0.016	258.4	0.229	-0.01	0.016	-0.017	352.5	0.217	-0.028	-0.004	-0.01	293.7	0.21	-0.037	-0.024	0.012
0.02	114.2	0.216	0.056	0.055	0.001	248.1	0.225	0.034	0.016	-0.012	340.5	0.215	0.025	-0.012	0	225.1	0.214	-0.007	-0.025	0.014
-0.007	92.5	0.359	0.117	-0.07	-0.088	151.1	0.316	0.055	-0.082	-0.062	286.9	0.236	-0.014	-0.044	-0.023	246.4	0.198	-0.024	-0.055	-0.002

SNI_0360	rE_0720	rN_0720	iE_0720	iN_0720	SNI_0720	rE_1440	rN_1440	iE_1440	iN_1440	SNI_1440
22.6	0.329	-0.024	-0.043	-0.058	26	0.216	0.184	-0.059	-0.038	47.2
25.9	0.289	-0.096	0.003	-0.078	23.8	0.255	-0.031	-0.04	-0.157	34.9
11.1	-0.036	0.601	-0.164	-0.056	10.5	-0.065	0.486	-0.052	0.022	17.6
17.2	-0.024	0.482	-0.195	-0.029	7.3	-0.126	0.68	-0.05	0.046	18.6
15.9	-0.074	-0.007	-0.195	-0.098	10.9	0.202	-0.453	0.029	-0.158	10.6
26	0.362	-0.185	0.032	-0.132	6.5	0.154	-0.062	0.03	-0.14	6.8
27	0.155	-0.098	-0.014	-0.035	16	0.182	-0.236	0.002	0.021	26.6
18.3	0.193	-0.575	-0.035	-0.126	15	0.188	-0.467	-0.016	-0.097	19.7
25	0.169	-0.038	-0.107	-0.096	19.7	0.154	-0.128	-0.092	-0.127	15.6
15.8	0.162	-0.031	-0.111	-0.119	21.3	0.151	-0.097	-0.057	-0.231	17.2
17.6	0.491	-0.288	-0.074	-0.179	11.6	0.29	-0.328	-0.072	-0.016	17.8
27.4	0.308	0.079	-0.11	-0.119	24.2	0.291	0.046	-0.089	-0.027	13.5
16.1	0.373	0.236	-0.029	-0.022	13.1	0.191	0.342	-0.045	-0.267	4.6
21.2	0.257	0.12	-0.081	-0.035	23	0.248	-0.123	-0.052	-0.121	8.8
32.7	0.199	0.032	-0.057	-0.061	31.1	0.24	-0.052	-0.051	-0.031	32.4
26.4	0.167	0.039	-0.126	-0.066	27.9	0.163	0.016	-0.076	-0.015	42.9
21.7	0.087	0.021	-0.138	-0.099	25.7	0.068	0.075	-0.083	-0.111	41.9
20.8	0.027	0.084	-0.116	0.026	21.7	0.061	0.055	-0.096	-0.034	31.3
18.6	0.067	0.04	-0.092	-0.042	38.5	0.073	0.053	-0.064	-0.051	51.5
20.4	0.135	0.072	-0.058	-0.072	42.2	0.087	0.048	-0.038	-0.072	59.5
20.1	0.09	0.006	-0.119	-0.055	42.3	0.073	0.015	-0.056	-0.066	45.9
25	0.069	-0.015	-0.124	-0.069	47.7	0.081	-0.054	-0.059	-0.051	60.5
17.1	0.075	-0.017	-0.121	-0.084	37.6	0.077	-0.033	-0.064	-0.046	53.5
18.1	0.065	-0.107	-0.099	-0.12	37.5	0.102	-0.093	-0.042	-0.013	60
25.2	0.074	-0.185	-0.121	-0.061	43.5	0.103	-0.146	-0.029	-0.053	77.5
34.8	0.008	0.04	-0.107	-0.062	37.5	0.05	-0.015	-0.048	-0.035	96.3
27.4	0.218	-0.186	-0.084	-0.095	34.4	0.116	-0.07	-0.046	-0.018	125.6
27.4	0.189	-0.146	-0.086	-0.085	35.5	0.117	-0.072	-0.047	-0.018	134
20.4	0.125	-0.202	-0.084	0.046	23.3	0.168	-0.116	-0.019	-0.003	106.5
18.3	0.07	-0.185	-0.03	-0.085	21.9	0.133	-0.139	-0.003	-0.026	88.2
26.3	0.124	-0.131	-0.124	-0.07	23.3	0.13	-0.07	-0.032	-0.018	90.5
16.4	-0.154	0.84	-0.02	0.027	13.5	0.131	-0.192	-0.045	-0.044	59.3
17.8	0.146	-0.176	-0.105	-0.001	21.1	0.136	-0.055	-0.055	-0.039	79.1
41.2	0.135	-0.122	-0.116	-0.003	20.7	0.167	-0.115	-0.059	-0.041	43.5
21	0.122	-0.082	-0.074	-0.076	19.1	0.17	-0.149	-0.068	0.028	33.6
17.1	0.103	-0.218	-0.149	0.119	9.2	0.164	-0.035	-0.099	0.094	25.6
24.7	0.177	0.01	-0.087	-0.007	17.8	0.117	0.292	-0.127	0.152	19.4
18.4	0.187	0.184	-0.017	0.015	17.1	0.171	0.211	-0.079	-0.036	17.6
13.5	0.186	0.121	0.022	0.064	15.8	0.156	0.207	-0.099	0.043	18.3
22.3	0.226	0.046	-0.045	-0.023	29.8	0.273	0.022	-0.067	0.008	22.9
26.6	0.2	0.122	-0.029	-0.072	30.1	0.241	-0.014	-0.023	-0.216	19.3
20.8	0.185	0.158	-0.013	-0.044	18.4	0.021	0.599	-0.12	0.181	17.7
22.6	0.166	0.118	-0.007	0.068	13.8	0.057	0.556	-0.11	0.126	19.3
29.7	0.184	0.01	-0.006	0.01	28.6	0.235	0.068	-0.121	0.281	18.2
22.1	0.132	0.086	0.002	-0.069	25.7	0.228	-0.03	-0.005	-0.074	11.8
58.2	0.175	0.07	0.047	0.055	28.1	0.27	0.095	0.04	0.043	18.8

SNI_0360	rE_0720	rN_0720	iE_0720	iN_0720	SNI_0720	rE_1440	rN_1440	iE_1440	iN_1440	SNI_1440
19.3	0.136	0.117	0.01	0.063	37	0.122	0.309	0.013	0.046	23.3
14.6	0.058	-0.006	0.03	0.054	27.9	0.213	-0.199	-0.114	0.38	13.2
21.8	0.092	-0.028	0.004	0.038	26.4	0.203	-0.077	0.015	-0.144	20.3
24.4	0.07	0.224	0.016	-0.011	31.9	0.076	0.329	-0.039	0.196	9.8
23.1	0.085	-0.017	-0.018	0.051	39.1	0.177	0.024	-0.084	0.256	12.9
22.1	0.048	0.017	-0.015	0.058	46.1	0.084	0.117	-0.04	-0.019	16
52.1	0.195	0.268	0.014	0.037	45	0.182	0.044	-0.088	0.079	12.5
62.5	0.099	0.086	-0.015	-0.008	51	0.108	0.113	0.026	-0.308	3.6
31.7	0.091	0.033	-0.1	0.021	39.9	-0.004	0.222	-0.185	0.184	7.5
22.3	0.063	-0.132	-0.124	-0.047	32.2	0.155	-0.3	-0.135	-0.063	3.1
31	0.108	0.044	-0.089	-0.047	37.3	-0.022	0.46	-0.092	0.024	6
19.9	0.119	0.024	-0.06	-0.008	34.6	0.105	0.065	-0.031	-0.207	8.8
36.7	0.011	-0.05	-0.072	0.055	21.5	-0.02	0.493	-0.082	0.048	15
37.1	0.085	-0.038	-0.064	-0.053	33	0.07	0.05	-0.009	-0.337	5.3
28.3	0.105	-0.094	-0.073	-0.031	24.7	0.19	-0.326	-0.028	-0.279	4.9
55.7	0.074	-0.086	-0.08	-0.07	32	0.143	-0.172	-0.01	-0.383	3.4
52.2	0.091	0.025	-0.042	-0.021	31	0.026	0.366	0.002	-0.24	12.2
61.6	0.106	-0.095	-0.023	-0.043	47.5	0.115	0.114	-0.007	-0.182	11.6
59.7	0.079	-0.099	-0.018	0.009	45.6	0.203	-0.399	-0.037	-0.01	6.1
59	0.073	-0.133	-0.032	-0.04	33.4	0.054	0.517	-0.022	-0.031	5.4
90.6	0.094	0.013	-0.033	-0.044	34.8	-0.085	0.832	-0.054	0.157	21.4
64.1	0.166	0.029	-0.014	-0.035	57.4	0.228	-0.267	0.002	-0.246	9.4
67.9	0.153	0.113	-0.024	0.019	37.7	0.066	0.518	-0.038	-0.063	21.6
77.9	0.291	0.034	0.04	0.009	38.4	0.374	-0.355	-0.05	0.247	12.4
82.9	0.217	-0.058	-0.001	-0.033	39.2	0.292	-0.531	-0.021	-0.215	10.8
80.1	0.232	-0.042	-0.022	-0.102	49.2	0.317	-0.162	0.016	-0.336	11.2
75.6	0.206	-0.029	-0.035	-0.034	51	0.221	0.185	-0.074	-0.044	6

Line	Point	LAT	LON	Alt	X	Y	GPSt	Pt	Rl	Az	Dur	IndNs	rE_0011	rN_0011	iE_0011	iN_0011	SNI_0011	rE_0022	rN_0022	iE_0022
1700	950	50.32307	-120.844	1090.3	653476.2	5576775	182422	19.5	-4.9	150.1	192	12.6	0.147	-0.008	0.154	0.029	71.2	0.242	0.019	0.049
1700	950	50.32308	-120.844	1089.5	653476.2	5576776	182744	19.5	-4.9	150.4	190	11.9	0.144	-0.025	0.149	0.03	74.8	0.21	0.017	0.059
1700	900	50.32285	-120.844	1082.9	653435	5576749	183820	16.5	-7.2	35.8	137	13.4	0.139	0.01	0.134	0.029	60.3	0.209	0.055	0.048
1700	850	50.32264	-120.845	1081.2	653392.3	5576725	184313	-6.1	-2.8	5.9	150	13.2	0.163	0.017	0.08	0.053	88.3	0.191	0.052	0.057
1700	800	50.32238	-120.846	1088.2	653351.5	5576695	184817	0.8	-2.1	334.3	97	11.1	0.103	-0.014	0.131	0.037	59.3	0.149	0.038	0.074
1700	800	50.32241	-120.846	1087.8	653349.1	5576698	185107	6.8	-6.8	90.3	142	9.5	0.12	0.008	0.153	0.043	79.3	0.173	0.046	0.081
1700	750	50.32214	-120.846	1096.4	653307.4	5576667	185810	23	5	58.2	90	10.5	0.108	0.016	0.15	0.048	51.2	0.161	0.04	0.068
1700	700	50.32195	-120.847	1104.9	653262	5576644	190859	34	-28.4	93	144	9.8	0.127	-0.01	0.144	0.031	79.3	0.162	0.027	0.067
1700	650	50.32171	-120.848	1103.1	653223.5	5576616	191634	23.7	-10.1	184.8	173	10.5	0.089	-0.03	0.156	0.034	78.8	0.173	0.001	0.05
1700	600	50.32143	-120.848	1109.7	653176	5576583	192511	12	6.4	82.6	176	10.2	0.137	-0.011	0.114	0.018	81.2	0.145	0.034	0.053
1700	600	50.32143	-120.848	1108.9	653175.8	5576584	192739	-1.6	-16.1	186.3	116	10.9	0.111	-0.05	0.133	0.019	66.7	0.175	-0.01	0.059
1700	550	50.32123	-120.849	1104.9	653137.7	5576561	193502	9.4	-2.1	33.3	172	9.4	0.118	-0.004	0.123	0.039	76.5	0.167	0.045	0.051
1700	500	50.32099	-120.849	1103.2	653090	5576532	194145	0	7.8	38.1	197	9.1	0.087	-0.016	0.124	0.037	89.6	0.142	0.028	0.057
1700	450	50.32074	-120.85	1101.1	653055.9	5576504	194844	-3.5	24.8	109.3	125	9.3	0.131	-0.017	0.14	0.007	63.1	0.177	0.021	0.047
1700	400	50.32053	-120.851	1092.1	653011.8	5576479	195826	-1.9	1.1	145.3	177	9.9	0.123	-0.051	0.165	0.014	77.1	0.172	-0.005	0.068
1700	400	50.32053	-120.851	1092	653011.4	5576479	200146	1.6	-3.8	21.2	163	9.4	0.102	-0.008	0.139	0.014	71.8	0.136	0.015	0.061
1700	350	50.32032	-120.851	1087.5	652972.3	5576455	201328	31.1	-20.7	37.6	116	8.7	0.107	-0.043	0.147	0.029	56.8	0.154	0.024	0.07
1700	300	50.32006	-120.852	1095.3	652922.5	5576424	203012	12.5	-24.8	160.2	144	9.2	0.102	-0.047	0.143	0.042	64.7	0.167	-0.016	0.072
1700	250	50.31984	-120.852	1109.5	652889.1	5576399	203520	17.3	9.2	42.3	88	10	0.063	-0.014	0.123	0.05	59.8	0.137	0.016	0.057
1700	200	50.31969	-120.853	1102.9	652844	5576380	204012	16.8	8	111.9	140	8.8	0.12	-0.034	0.152	0.015	65	0.144	0.018	0.062
1700	200	50.31967	-120.853	1102.6	652843.2	5576379	204253	-13.2	9.6	338.1	129	8.8	0.072	-0.015	0.146	0.039	68.3	0.103	0.013	0.061
1700	150	50.31945	-120.854	1106	652798.2	5576353	204814	10.6	2.9	85.2	117	9.3	0.107	-0.008	0.129	0.037	67.4	0.16	0.024	0.019
1700	100	50.31919	-120.854	1105.2	652757.6	5576322	205506	5.4	-5	99.4	129	7.2	0.107	0.002	0.146	0.024	82.5	0.132	0.033	0.058
1700	50	50.31895	-120.855	1113.7	652709	5576295	210403	16	-1.4	96.5	143	7.2	0.109	-0.009	0.129	0.029	75.3	0.112	0.022	0.035
1700	0	50.31879	-120.855	1126.4	652665.8	5576276	211621	13.2	-4.6	106.5	181	7.2	0.075	0	0.124	0.019	84.5	0.116	0.031	0.046
1700	0	50.31879	-120.855	1126.8	652666.2	5576276	211937	-3.5	12.9	338.1	108	7.4	0.062	-0.018	0.126	0.028	64	0.094	0.03	0.037
1500	0	50.31721	-120.854	1098.8	652778	5576103	215022	-16.6	18.7	318.2	137	6.8	0.106	-0.047	0.168	0.024	53.5	0.152	-0.024	0.084
1500	0	50.31724	-120.854	1096.6	652776.7	5576106	215333	17.8	25.1	14.4	137	7.1	0.094	-0.037	0.179	0.049	62.1	0.163	-0.001	0.09
1500	50	50.31742	-120.853	1096.5	652819.6	5576127	215938	-26.6	-17.1	270.3	168	7.8	0.111	-0.071	0.148	0.016	79.5	0.155	-0.042	0.088
1500	100	50.31762	-120.853	1096.7	652866.7	5576152	220644	-5.3	18.6	22	87	7.3	0.133	-0.035	0.163	0.019	54.9	0.175	-0.004	0.082
1500	150	50.3178	-120.852	1096.9	652912.3	5576172	221432	22.2	-18	269.2	96	8.1	0.128	-0.08	0.164	0.024	43.7	0.167	-0.049	0.085
1500	200	50.31816	-120.852	1082.8	652947.9	5576214	222317	12.7	-9.8	341.1	122	8.7	0.122	-0.053	0.157	0.017	53.6	0.157	-0.014	0.082
1500	200	50.31816	-120.852	1082.6	652948.3	5576214	222527	8.3	15.6	196.7	90	8.9	0.135	-0.067	0.159	-0.022	55.5	0.165	-0.034	0.086
1500	250	50.31838	-120.851	1080.6	652989.6	5576239	223151	5	-11.5	324.9	129	9.6	0.132	-0.063	0.127	0.012	51.5	0.175	-0.008	0.069
1500	300	50.31858	-120.85	1085	653029.2	5576263	223845	4.2	3	288	176	9.1	0.12	-0.069	0.144	0.008	84.3	0.162	-0.026	0.073
1500	350	50.31883	-120.85	1084.2	653077	5576291	224558	8	2.7	352.9	202	10.1	0.103	-0.031	0.139	0.03	81.5	0.152	0.009	0.07
1500	400	50.31906	-120.849	1085.3	653112.5	5576319	225356	-1.4	-6.4	277	108	9.8	0.092	-0.051	0.132	0.043	53.6	0.149	-0.032	0.053
1500	400	50.31907	-120.849	1085	653112.2	5576319	225612	-0.4	9.6	26.3	104	9.4	0.079	-0.06	0.17	0.033	47.1	0.148	0.008	0.074
1500	450	50.31933	-120.849	1089.2	653155.8	5576350	230346	14.4	-1	250.6	165	9.8	0.114	-0.036	0.151	0.02	107.2	0.16	-0.013	0.075
1500	500	50.31953	-120.848	1087.6	653199.8	5576373	231157	-13.7	-14.5	236.7	171	10.2	0.118	-0.046	0.167	0.021	57.2	0.164	-0.023	0.068
1500	550	50.31975	-120.847	1083.1	653241.1	5576399	231841	-13.5	0.4	271.9	102	10.7	0.121	-0.039	0.171	0.022	44.1	0.159	-0.013	0.074
1500	600	50.31996	-120.847	1087.4	653286.8	5576424	232436	6.3	-4.2	315.3	139	11.3	0.077	-0.044	0.174	0.022	63.8	0.149	0.006	0.07
1500	600	50.31996	-120.847	1087.1	653286.7	5576423	232722	6.3	-4.5	159.5	138	12.3	0.084	-0.036	0.179	0.042	52.1	0.189	0.013	0.078
1500	650	50.32014	-120.846	1082	653331.7	5576445	233618	-11.4	-9	262.1	110	10.2	0.076	-0.078	-0.102	-0.21	78.2	0.061	-0.031	-0.029
1500	700	50.32046	-120.846	1075.6	653370.7	5576481	234659	19.3	-14.3	299.2	112	13.3	0.106	-0.006	0.164	0.033	42.2	0.185	0.019	0.088
1500	750	50.3207	-120.845	1042.8	653421.4	5576510	235946	9.9	5.6	310.7	173	11.4	0.131	-0.033	0.18	0.014	62.1	0.2	0.016	0.084

Line	Point	LAT	LON	Alt	X	Y	GPSt	Pt	Rl	Az	Dur	IndNs	rE_0011	rN_0011	iE_0011	iN_0011	SNI_0011	rE_0022	rN_0022	iE_0022
1500	800	50.32085	-120.844	1031.4	653457.9	5576528	632	10.6	-5.9	259.5	159	13.8	0.151	-0.014	0.166	0.022	47.6	0.184	0.009	0.089
1500	800	50.32084	-120.844	1030.3	653458.2	5576527	904	1.3	-0.6	145.3	113	12.1	0.169	-0.034	0.159	0.015	42.8	0.199	0.007	0.071
1500	850	50.32112	-120.844	1033	653500.3	5576559	1551	2.6	10.8	224.6	107	13.7	0.11	-0.056	0.146	0.007	38.7	0.174	-0.001	0.049
1500	900	50.32138	-120.843	1029.1	653534.8	5576589	2151	17.2	7.4	235.3	132	14.8	0.095	-0.015	0.176	0.042	41.2	0.178	0.041	0.052
1500	950	50.32146	-120.843	1053.3	653579.7	5576599	3741	19.2	28.1	229.4	146	16.5	0.084	-0.001	0.167	0.031	47.2	0.147	0.044	0.05
1500	1000	50.32173	-120.842	1053.6	653628.2	5576631	4928	12.2	-21.3	17.4	155	15.7	0.069	0.041	0.132	-0.004	40.2	0.134	0.073	0.009
1500	1000	50.32172	-120.842	1053.5	653627.6	5576629	5238	10.6	-11.3	289	105	16.6	0.053	0	0.126	0.071	32.9	0.124	0.033	0.032
1300	1000	50.3202	-120.84	1048.5	653731.2	5576463	11310	4.9	17.4	85.9	122	19.7	0.138	-0.028	0.197	0.038	38.3	0.162	0.043	0.03
1300	1000	50.3202	-120.84	1048.5	653730.9	5576463	11620	2.3	-8.3	37.5	153	20.1	0.085	0.005	0.164	0.013	45.7	0.137	0.015	0.03
1300	950	50.31991	-120.841	1053.8	653690.4	5576429	12119	11.5	-17.1	153	129	18	0.094	-0.067	0.111	0.039	41.9	0.171	-0.009	0.047
1300	900	50.31971	-120.842	1053.5	653647.9	5576406	12648	7	-3.9	130.3	141	17.9	0.124	-0.079	0.146	0.007	39.3	0.201	0.018	0.03
1300	850	50.31949	-120.842	1061.5	653606.7	5576380	13228	16.2	-5	135.6	152	19.2	0.092	-0.044	0.198	0.008	34.9	0.166	0.01	0.03
1300	800	50.31926	-120.843	1052.8	653565.1	5576354	13750	-39.2	-6.2	54.8	86	16.7	0.07	-0.007	0.123	-0.029	34.3	0.153	0.013	0.05
1300	800	50.31926	-120.843	1052.6	653565	5576354	14009	-6.8	14.2	136.5	92	16.5	0.095	-0.078	0.196	-0.029	30.9	0.205	0.02	0.058
1300	750	50.319	-120.843	1034	653519.4	5576323	14523	-12.7	-6.1	42.8	129	15.1	0.089	-0.021	0.138	0.013	37.2	0.184	0.044	0.056

iN_0022	SNI_0022	rE_0045	rN_0045	iE_0045	iN_0045	SNI_0045	rE_0090	rN_0090	iE_0090	iN_0090	SNI_0090	rE_0180	rN_0180	iE_0180	iN_0180	SNI_0180	rE_0360	rN_0360	iE_0360	iN_0360
0.007	127.2	0.291	0.021	-0.029	-0.013	239.1	0.332	-0.005	-0.092	-0.02	290.5	0.314	-0.032	-0.125	-0.014	178.6	0.336	-0.083	-0.13	-0.003
0	149.5	0.246	0.023	0.021	-0.012	285	0.276	0	-0.026	-0.044	318.8	0.294	-0.037	-0.074	-0.034	175.6	0.324	-0.071	-0.128	-0.002
0.007	111.2	0.257	0.054	-0.011	-0.021	225.1	0.265	0.041	-0.049	-0.032	287.7	0.282	0.024	-0.104	-0.05	136.8	0.33	-0.043	-0.124	-0.024
0.018	149.8	0.213	0.066	0.018	-0.015	269.3	0.254	0.062	-0.054	-0.038	327.4	0.263	0.029	-0.123	-0.039	153.9	0.262	0.017	-0.126	-0.018
0.012	129.8	0.169	0.038	0.044	-0.008	243	0.208	0.042	-0.011	-0.031	291.9	0.232	0.008	-0.047	-0.022	131.6	0.246	0.002	-0.111	-0.054
0.018	164.9	0.216	0.045	0.02	-0.002	288	0.235	0.032	-0.027	-0.019	358.5	0.24	0.009	-0.057	-0.008	179.9	0.267	-0.001	-0.136	0.015
0.016	104.8	0.209	0.052	0.006	-0.002	194.4	0.243	0.035	-0.041	-0.02	241.8	0.229	0.011	-0.096	-0.014	115.2	0.298	-0.014	-0.107	-0.004
0.001	184.3	0.178	0.031	0.036	-0.006	362.5	0.187	0.007	-0.003	-0.029	394.7	0.21	-0.015	-0.063	-0.028	169	0.228	-0.012	-0.133	-0.039
0.01	170.3	0.186	0.006	0.009	-0.015	322.4	0.186	-0.014	-0.037	-0.035	389.6	0.196	-0.04	-0.088	-0.025	187.8	0.215	-0.072	-0.157	-0.036
0.02	180.3	0.176	0.035	0.015	-0.013	369.2	0.182	0.01	-0.021	-0.029	443.3	0.191	-0.016	-0.087	-0.016	232.5	0.218	-0.047	-0.147	0.01
0.004	153.8	0.173	-0.005	0.021	-0.018	305.2	0.179	-0.02	-0.013	-0.033	407.4	0.181	-0.038	-0.063	-0.039	203.5	0.245	-0.091	-0.157	0.006
0.003	156.6	0.236	0.077	-0.061	-0.018	263.7	0.253	0.045	-0.099	-0.045	353.5	0.199	-0.017	-0.064	-0.02	214.7	0.194	-0.024	-0.134	-0.004
0.013	187.4	0.155	0.034	0.023	-0.01	403.5	0.16	0.01	-0.003	-0.033	461.8	0.18	-0.02	-0.033	-0.021	216.4	0.208	-0.038	-0.111	-0.004
-0.001	148.4	0.243	0.028	-0.07	-0.041	236.9	0.209	-0.012	-0.081	-0.044	337.7	0.18	-0.039	-0.059	-0.035	195.2	0.216	-0.068	-0.123	-0.011
0.006	183.1	0.179	0.005	0.021	-0.015	388	0.181	-0.032	-0.01	-0.04	479.9	0.173	-0.058	-0.025	-0.039	262.9	0.212	-0.083	-0.113	0.002
0.001	169.2	0.146	0.02	0.024	-0.011	350.7	0.146	-0.004	-0.005	-0.04	408.8	0.157	-0.031	-0.027	-0.036	206.4	0.203	-0.05	-0.119	-0.012
0.016	127.9	0.178	0.029	0.009	-0.013	267.7	0.182	-0.001	-0.01	-0.031	338.4	0.158	-0.02	-0.009	-0.019	148.2	0.228	-0.048	-0.083	0.004
0.004	156.1	0.183	0.001	0.015	-0.005	312.8	0.179	-0.026	-0.004	-0.022	427.3	0.167	-0.032	0.006	-0.018	275.9	0.25	-0.054	-0.017	-0.008
0.016	117.5	0.146	0.022	0.029	-0.004	245	0.137	0.005	0.011	-0.023	304.4	0.152	-0.016	0.008	-0.015	151.9	0.2	-0.016	-0.08	0.016
0.01	155.3	0.154	0.026	0.025	-0.006	334.8	0.139	0.012	0.009	-0.023	361.3	0.142	-0.019	0.005	-0.016	268.2	0.18	-0.026	-0.067	0.019
0.023	148.5	0.118	0.016	0.028	-0.003	325.3	0.101	0.001	0.013	-0.022	373.7	0.115	-0.019	0.019	-0.023	318.1	0.155	-0.026	-0.043	0.004
0.007	144.2	0.154	0.041	-0.004	-0.005	324.1	0.137	0.02	0.008	-0.026	361.9	0.123	-0.002	0.014	-0.021	216.3	0.206	-0.004	-0.068	0.005
0.024	170.8	0.123	0.038	0.025	0.004	382.2	0.118	0.027	0.009	-0.012	473.2	0.117	0.015	0.028	-0.006	315.7	0.189	-0.009	-0.037	0.035
0.032	166.8	0.117	0.044	0.021	0.01	356.6	0.099	0.036	0.006	-0.003	439.7	0.102	0.028	0.012	-0.008	215.8	0.168	0.02	-0.046	0.03
0.03	176.6	0.102	0.044	0.012	0.017	411.8	0.079	0.039	0.006	-0.005	537	0.085	0.03	0.015	-0.007	310.4	0.128	0.031	-0.018	0
0.024	137	0.077	0.037	0	0.015	310.7	0.064	0.031	0.002	-0.005	437.5	0.055	0.025	0.031	-0.009	249.1	0.118	0.016	-0.061	0.02
0.017	146.4	0.17	-0.025	0.067	0.001	320.9	0.185	-0.035	0.05	-0.013	430.6	0.199	-0.043	0.044	-0.003	249.8	0.273	-0.054	-0.041	0.02
0.013	152.8	0.179	-0.007	0.066	-0.001	335.6	0.189	-0.02	0.044	-0.014	476	0.218	-0.033	0.044	-0.003	287.6	0.292	-0.036	-0.044	0.016
0.007	186.8	0.178	-0.037	0.053	-0.013	409.4	0.184	-0.057	0.037	-0.027	611.9	0.197	-0.077	0.035	-0.019	406.9	0.24	-0.083	-0.039	-0.005
0	117.2	0.19	-0.007	0.041	-0.018	255.2	0.201	-0.036	0.017	-0.045	383.4	0.204	-0.065	0.017	-0.026	257.7	0.253	-0.075	-0.071	-0.011
0.017	113.4	0.19	-0.044	0.043	-0.02	249	0.192	-0.064	0.013	-0.038	373.9	0.194	-0.091	-0.013	-0.033	229.3	0.227	-0.098	-0.074	-0.006
0.014	133.1	0.182	-0.018	0.035	-0.019	274.8	0.179	-0.036	0	-0.035	418.8	0.182	-0.059	-0.012	-0.022	250.2	0.209	-0.077	-0.159	0.022
-0.006	137	0.195	-0.038	0.033	-0.017	289.2	0.203	-0.061	0.005	-0.032	468.2	0.19	-0.082	-0.01	-0.027	305.3	0.18	-0.081	-0.141	0.014
0.001	138.4	0.242	-0.007	-0.035	-0.026	234	0.204	-0.039	-0.027	-0.04	416.5	0.184	-0.067	-0.033	-0.024	280	0.226	-0.076	-0.124	-0.004
0.002	200.8	0.191	-0.014	0.021	-0.022	400.1	0.189	-0.044	-0.012	-0.034	592	0.178	-0.07	-0.013	-0.019	370.5	0.197	-0.083	-0.135	0.02
0.005	187.8	0.163	0.007	0.024	-0.01	394.7	0.167	-0.016	-0.01	-0.027	592.7	0.165	-0.038	-0.036	-0.016	373.7	0.191	-0.052	-0.138	0.021
0.004	116.7	0.166	-0.03	-0.001	-0.017	227.8	0.165	-0.062	-0.033	-0.031	364	0.143	-0.085	-0.068	-0.023	264.7	0.147	-0.101	-0.136	0.005
0	126.3	0.181	0.012	0.002	-0.026	246.5	0.171	-0.022	-0.032	-0.041	390.8	0.149	-0.055	-0.048	-0.031	265.2	0.176	-0.075	-0.169	0.006
0.012	234.7	0.178	-0.014	0.025	-0.014	443.9	0.175	-0.041	-0.01	-0.026	791.2	0.167	-0.062	-0.04	-0.017	512.7	0.184	-0.071	-0.122	0.018
0.003	154.1	0.191	-0.021	0.011	-0.018	309.3	0.18	-0.047	-0.016	-0.025	537.9	0.179	-0.067	-0.042	-0.019	398.5	0.195	-0.079	-0.131	0.027
0.003	134.3	0.19	-0.001	0.014	-0.014	266	0.181	-0.03	-0.008	-0.021	427.3	0.174	-0.05	-0.029	-0.011	336.2	0.203	-0.043	-0.099	0.005
0.012	147.5	0.197	0.018	0.014	-0.014	279.4	0.192	-0.01	-0.007	-0.02	487.6	0.178	-0.027	-0.035	-0.01	375.8	0.225	-0.042	-0.115	0.017
0.006	145.4	0.219	0.008	0.025	-0.014	273.3	0.223	-0.016	-0.01	-0.022	450.2	0.213	-0.037	-0.042	-0.017	347.6	0.263	-0.067	-0.128	0.007
-0.096	177.6	0.199	-0.003	0.033	-0.017	267.3	0.202	-0.021	0.012	-0.02	423.2	0.21	-0.04	-0.029	-0.012	569.6	0.234	-0.046	-0.088	0.02
0.012	122.8	0.24	0.042	0.023	-0.015	227.5	0.239	0.016	0.006	-0.029	421.3	0.236	-0.004	0.006	-0.02	367.1	0.3	-0.023	-0.058	0.002
0.012	131.5	0.22	0.024	0.041	-0.008	279	0.239	0	0.023	-0.024	481.3	0.243	-0.022	0.009	-0.019	370.8	0.29	-0.032	-0.08	0.005

iN_0022	SNI_0022	rE_0045	rN_0045	iE_0045	iN_0045	SNI_0045	rE_0090	rN_0090	iE_0090	iN_0090	SNI_0090	rE_0180	rN_0180	iE_0180	iN_0180	SNI_0180	rE_0360	rN_0360	iE_0360	iN_0360
0.002	122.2	0.249	0.014	0.018	-0.022	233.6	0.245	-0.011	-0.024	-0.046	387.2	0.224	-0.046	-0.044	-0.032	316.5	0.249	-0.063	-0.129	-0.015
-0.019	91.3	0.301	0.032	-0.03	-0.02	175.2	0.306	0.005	-0.069	-0.046	287.5	0.259	-0.033	-0.045	-0.035	234.7	0.264	-0.055	-0.131	-0.014
0.001	88.1	0.203	0.015	0.011	-0.013	184.5	0.239	0.003	-0.042	-0.024	267.4	0.205	-0.022	-0.099	-0.018	217.8	0.222	-0.04	-0.166	0.003
0.004	97.5	0.212	0.066	-0.035	-0.014	193.5	0.226	0.039	-0.078	-0.021	308.8	0.165	0.014	-0.095	-0.015	298.9	0.164	0.013	-0.18	0.006
0.019	119.4	0.15	0.048	-0.018	0.008	229.5	0.151	0.039	-0.074	-0.007	372.2	0.121	0.023	-0.124	0.005	329.6	0.124	0.02	-0.232	0.031
0.006	88.4	0.208	0.101	-0.11	-0.008	166.4	0.162	0.069	-0.127	-0.021	290.7	0.103	0.042	-0.132	-0.005	282.7	0.106	0.032	-0.218	0.015
0.012	78.9	0.16	0.054	-0.053	-0.007	159	0.151	0.047	-0.115	-0.011	243.7	0.098	0.022	-0.132	-0.006	236	0.088	0.014	-0.221	0.018
-0.011	88.9	0.248	0.073	-0.098	-0.037	153.1	0.213	0.011	-0.126	-0.049	259.9	0.158	-0.042	-0.138	-0.035	283.2	0.169	-0.06	-0.19	-0.008
0.008	85.3	0.207	0.021	-0.074	-0.006	171.1	0.22	-0.012	-0.128	-0.024	276.9	0.156	-0.043	-0.137	-0.019	320.4	0.167	-0.059	-0.187	-0.007
-0.001	98.6	0.202	0.005	-0.035	-0.033	193.7	0.196	-0.036	-0.079	-0.038	322.5	0.16	-0.077	-0.112	-0.026	342.2	0.179	-0.096	-0.184	-0.003
-0.005	85.1	0.238	0.03	-0.056	-0.028	157.6	0.236	-0.029	-0.092	-0.034	263.3	0.17	-0.065	-0.105	-0.029	350.3	0.167	-0.082	-0.156	-0.016
0.005	86.6	0.27	0.015	-0.086	-0.02	161.2	0.253	-0.02	-0.129	-0.042	258.9	0.18	-0.064	-0.114	-0.031	305.4	0.204	-0.084	-0.183	-0.005
0.004	77.6	0.197	0.029	-0.014	-0.026	169.5	0.174	-0.002	-0.066	-0.036	280.6	0.145	-0.032	-0.086	-0.035	293	0.154	-0.043	-0.174	-0.03
0.003	70.7	0.211	0.002	-0.024	-0.022	149.6	0.213	-0.021	-0.08	-0.035	254.1	0.184	-0.053	-0.108	-0.027	254	0.192	-0.066	-0.191	-0.016
0.002	90.6	0.242	0.093	-0.035	-0.017	177	0.259	0.038	-0.082	-0.027	288.1	0.187	-0.011	-0.058	-0.012	343.7	0.2	-0.018	-0.153	0.002

SNI_0360	rE_0720	rN_0720	iE_0720	iN_0720	SNI_0720	rE_1440	rN_1440	iE_1440	iN_1440	SNI_1440
189.5	0.338	-0.087	-0.045	-0.087	81	0.328	-0.093	-0.028	-0.026	97.4
162.8	0.342	-0.084	-0.049	-0.068	73.6	0.331	-0.111	-0.03	-0.055	73
47.4	0.31	0.06	-0.07	-0.02	99.1	0.256	0.134	-0.047	-0.042	58.4
114	0.267	0	-0.099	-0.017	110.7	0.202	0.095	-0.099	0.04	58.4
39.5	0.203	0.043	-0.09	-0.056	77	0.134	0.275	-0.063	0.049	40.5
141.1	0.182	0.108	-0.115	-0.046	101.8	0.177	0.287	-0.07	0.02	44.7
101.4	0.251	0.024	-0.084	-0.02	79.5	0.157	0.259	-0.056	0.022	40.6
112	0.205	-0.012	-0.125	-0.04	97.2	0.111	0.208	-0.079	-0.052	45.5
86.3	0.169	-0.123	-0.132	-0.022	87.9	0.128	-0.215	-0.145	0.017	59.2
132.6	0.204	-0.022	-0.129	-0.004	78.2	0.108	0.117	-0.132	0.089	42.6
54.3	0.199	-0.095	-0.097	-0.02	60.8	0.163	-0.157	-0.112	-0.022	20.9
119.2	0.177	0.015	-0.133	0.003	81.8	0.051	0.309	-0.105	0.079	42.8
136.6	0.174	-0.007	-0.134	0.012	96.5	0.03	0.335	-0.107	0.063	52.8
112.9	0.191	-0.078	-0.118	0.014	90.1	0.143	-0.091	-0.145	-0.001	48.8
125	0.202	-0.076	-0.111	-0.026	75.7	0.198	-0.164	-0.104	-0.104	27.4
101.2	0.181	-0.017	-0.096	-0.009	91.8	0.031	0.328	-0.102	0.005	44.9
55.9	0.001	0.018	-0.084	-0.078	44.5	0.025	0.47	-0.131	0.189	11.4
81	0.339	0.017	-0.057	0.013	61	0.238	0.127	-0.003	-0.112	11.1
51.3	0.255	0.022	-0.052	-0.002	39.6	0.117	0.362	-0.061	0.112	18.6
93.2	0.194	0.042	-0.057	-0.02	54.5	0.21	0.092	-0.024	0.024	21.7
106.5	0.177	0.049	-0.029	-0.018	69.2	0.099	0.301	-0.026	0.041	32.2
69.6	0.216	0.073	-0.034	-0.026	64.7	0.185	0.226	-0.029	0.092	17.7
123.8	0.218	0.043	-0.033	0.008	76	0.185	0.19	0.002	0.038	23.5
77.2	0.212	0.064	-0.002	-0.017	68.9	0.165	0.255	0.038	-0.077	23.5
81.1	0.191	0.061	-0.034	-0.005	73.6	0.192	0.08	-0.015	0.036	35.7
69.6	0.132	0.068	-0.022	-0.012	72.9	0.081	0.249	-0.002	0.022	38.1
89	0.231	0.016	-0.087	-0.02	64.3	0.172	0.298	-0.031	0.027	28.6
83.8	0.244	0.033	-0.069	-0.004	69	0.168	0.386	-0.025	0.009	30.9
99.3	0.283	-0.128	-0.033	-0.018	72.4	0.266	-0.195	-0.044	-0.048	38.6
81.8	0.265	-0.066	-0.051	-0.022	53.4	0.111	0.247	-0.096	0.087	29.2
74.6	0.231	-0.133	-0.102	-0.047	47.9	0.23	-0.264	-0.16	0.12	16.3
79.6	0.121	-0.122	-0.115	-0.034	56.9	-0.053	0.379	-0.161	0.193	28.6
86.9	0.125	-0.125	-0.135	-0.046	50.4	0.06	0.108	-0.111	-0.028	8.7
95.6	0.192	-0.076	-0.131	-0.023	73.8	0.119	-0.025	-0.117	-0.024	29.1
143.4	0.112	-0.089	-0.124	-0.015	91.5	-0.011	0.276	-0.082	0.032	30.6
144.3	0.145	-0.002	-0.13	-0.042	80.8	-0.064	0.54	-0.085	0.083	39.2
141.9	0.126	-0.109	-0.141	-0.027	95.1	0.047	-0.116	-0.131	-0.017	40.2
110.2	0.173	-0.087	-0.154	-0.043	93.7	0.053	0.002	-0.132	-0.02	38.5
180.5	0.164	-0.064	-0.123	-0.011	120.2	0.152	-0.188	-0.095	-0.005	36.3
184.8	0.172	-0.047	-0.112	-0.019	120.6	0.17	-0.134	-0.045	-0.157	30.8
144.4	0.198	-0.038	-0.079	-0.034	73.7	0.15	0.092	-0.033	-0.059	28.4
167.4	0.224	-0.031	-0.072	-0.035	133.9	0.191	-0.012	-0.056	-0.003	41.6
174.2	0.233	-0.148	-0.05	-0.027	125.4	0.288	-0.413	-0.052	-0.074	37.9
268	0.223	-0.017	-0.061	-0.012	156.2	0.257	-0.129	-0.022	-0.082	40.2
125.5	0.313	0.01	-0.015	0.001	93.7	0.31	0.041	0.032	-0.076	28.9
181.8	0.305	-0.044	-0.039	-0.027	157.9	0.309	-0.123	-0.07	0.07	41.8

SNI_0360	rE_0720	rN_0720	iE_0720	iN_0720	SNI_0720	rE_1440	rN_1440	iE_1440	iN_1440	SNI_1440
168	0.251	-0.086	-0.092	-0.039	129.2	0.256	-0.259	-0.104	-0.02	34.9
135.2	0.265	-0.107	-0.087	-0.045	114.6	0.309	-0.375	-0.075	-0.085	30.5
143.3	0.198	-0.054	-0.131	-0.034	136.8	0.182	-0.184	-0.106	-0.069	41.7
161.4	0.121	0.021	-0.15	-0.024	101.9	0.134	-0.132	-0.113	-0.069	37
194.3	0.057	0.031	-0.21	0.029	112.2	0.061	-0.176	-0.162	-0.006	35.9
195.2	0.056	0.045	-0.161	-0.003	126.7	-0.049	0.213	-0.139	0.058	42.9
174.1	0.024	0.011	-0.166	0	97	-0.01	0.001	-0.139	0.108	27.2
284.8	0.156	-0.053	-0.117	0.005	126.8	0.1	0.037	-0.057	-0.047	51.4
313.9	0.15	-0.029	-0.119	-0.006	226.6	0.054	0.197	-0.055	-0.008	74.3
292.7	0.18	-0.11	-0.102	-0.017	289.5	0.158	-0.182	-0.055	-0.064	32.5
300.1	0.177	-0.089	-0.117	-0.023	247.1	0.12	0.076	-0.062	-0.038	61.3
244.5	0.185	-0.085	-0.125	-0.041	156.9	0.122	0.134	-0.093	0.051	34.7
188.4	0.145	-0.051	-0.174	-0.052	160.8	0.094	-0.02	-0.154	-0.027	33.7
183.5	0.156	-0.08	-0.167	-0.042	159.7	0.151	-0.288	-0.142	-0.119	27.4
187.9	0.188	-0.003	-0.137	-0.014	160.1	0.114	0.2	-0.082	-0.072	38.5

Line	Point	LAT	LON	Alt	X	Y	GPSt	Pt	Rl	Az	Dur	IndNs	rE_0011	rN_0011	iE_0011	iN_0011	SNI_0011	rE_0022	rN_0022	iE_0022
100	1300	50.30576	-120.847	1007.5	653311.2	5574844	175506	12.4	0.3	243.5	120	7.2	0.073	-0.114	0.161	0.017	21.5	0.169	-0.081	0.051
100	1400	50.30624	-120.846	1001.2	653393	5574900	180047	-9.9	-5.1	246.9	118	8.4	0.009	-0.109	0.226	0.019	17.5	0.116	-0.072	0.096
100	1400	50.30623	-120.846	1001.2	653393.7	5574899	180317	-2.2	-10.6	150.1	122	8.7	0.055	-0.161	0.163	-0.003	22.8	0.183	-0.071	0.103
100	1500	50.30669	-120.845	994.7	653478.5	5574953	181016	4.5	-7.1	277.5	136	9.4	0.411	-0.224	-0.057	0	15.2	0.277	-0.108	-0.015
100	1600	50.30712	-120.843	989.6	653567.2	5575003	181731	-14.2	0	300.1	91	9.1	-0.021	-0.144	0.167	0.034	22.5	0.015	-0.072	0.146
100	1700	50.30756	-120.842	1003.8	653650.3	5575054	182512	-2.7	4.3	283.8	125	11.4	0.043	-0.133	0.263	-0.005	18.9	0.125	-0.083	0.035
100	1800	50.30798	-120.841	987.3	653737.1	5575103	183105	-16.5	1.3	272.1	105	12.1	0.072	-0.149	0.318	-0.014	13.3	0.04	-0.077	0.077
100	1800	50.30798	-120.841	987.3	653737	5575104	183323	15.3	9.8	19.3	112	12.2	0.072	-0.083	0.234	-0.005	19.2	0.047	-0.036	0.065
100	1900	50.30841	-120.84	971.9	653824.3	5575154	183947	13.5	-6.4	288.5	102	13.9	-0.047	-0.1	0.194	0.025	19.5	0.051	-0.073	0.067
100	2000	50.30885	-120.839	971.4	653906.7	5575205	184511	8.7	11.6	277.4	88	14	-0.008	-0.113	0.204	0.018	20.7	0.027	-0.023	0.087
100	2100	50.30926	-120.837	963.3	653995.5	5575254	185117	-5.7	-4.6	285	123	13.2	0.22	-0.107	0.161	-0.019	27	0.095	-0.028	0.061
100	2200	50.30972	-120.836	963.5	654079.6	5575307	185812	5.3	-17.6	296.8	110	14.5	-0.112	-0.026	0.301	0.034	12.8	0.07	0.016	0.008
100	2200	50.30972	-120.836	963.4	654079.6	5575307	190113	-5.7	5	77.4	147	14.8	-0.036	-0.061	0.168	0.063	18.8	0.059	0.022	0.055
100	2300	50.3101	-120.835	956.5	654169.4	5575352	190936	23.5	9.8	275.6	79	17.2	0.044	-0.133	0.218	0.038	12.5	0.049	-0.03	0.085
100	2400	50.31053	-120.834	975.1	654257.3	5575403	191658	30.7	4.7	300	96	18.4	-0.167	-0.056	0.238	0.068	15	-0.111	0.065	0.047
100	2500	50.31095	-120.832	957.2	654343.1	5575452	192425	10.6	11.3	341.9	140	22.2	-0.171	-0.084	0.219	0.055	18.4	-0.087	0.003	-0.015
100	2600	50.31137	-120.831	947.1	654424.8	5575501	193414	13.3	-17.8	289.4	120	24.1	-0.182	-0.096	0.216	0.104	17	-0.153	-0.005	0.002
100	2600	50.31137	-120.831	947.8	654424.6	5575501	193726	2.2	8.5	171.1	134	25.1	0.024	0.181	0.477	-0.113	10.8	0.448	0.194	0.108
100	2700	50.31184	-120.83	937.6	654513.2	5575555	194629	-14.5	-14.3	178.9	131	26.5	0.698	-0.167	0.078	-0.145	36.1	0.71	-0.049	-0.011
300	2700	50.31323	-120.831	943.2	654402.6	5575708	204306	-0.3	-4.2	54.5	117	25	-0.013	-0.053	0.232	0.021	17.2	0.125	0	0.059
300	2600	50.31298	-120.832	934.3	654329.8	5575677	204857	-5.1	4.7	107.4	151	22.8	-0.105	-0.046	0.203	0.063	25.4	0.012	0.021	-0.007
300	2600	50.31298	-120.832	934.5	654329.6	5575677	205108	5.9	-1.1	281.1	103	22.4	-0.109	-0.073	0.215	0.048	17.9	-0.063	0.006	0.128
300	2500	50.31256	-120.834	954.7	654239.8	5575628	205715	4.7	10.3	63.7	106	18.8	-0.039	-0.047	0.154	0.047	17.5	0.25	0.058	0.038
300	2400	50.31213	-120.835	937.6	654155.6	5575578	210339	-3.6	11.1	119.9	104	16.8	-0.018	-0.109	0.167	0.064	23.1	0.04	-0.025	0.14
300	2300	50.31167	-120.836	953.2	654068.1	5575524	211241	24.6	-3.6	116.3	125	13.9	-0.028	-0.099	0.216	0.038	20.6	0.15	-0.013	0.052
300	2200	50.31124	-120.837	968.4	653979.8	5575474	212014	-1.2	-5.3	110.3	126	16.4	0.072	-0.094	0.249	0.024	23.7	0.069	0.011	0.084
300	2200	50.31124	-120.837	968.1	653979.8	5575474	212306	12.9	2	217.3	138	14.4	-0.007	-0.107	0.155	0.093	24.4	0.075	-0.02	0.109
300	2100	50.31085	-120.839	967.3	653897.6	5575427	213126	0.2	-16.2	168.1	128	15	0.046	-0.109	0.25	0.027	23.1	0.087	-0.021	0.097
300	2000	50.31041	-120.84	976.1	653811.2	5575376	213920	10.5	-0.9	109.1	144	13.1	0.023	-0.089	0.122	0.067	28.7	0.065	-0.019	0.054
300	1900	50.31003	-120.841	962.3	653722.6	5575332	214609	1.3	8.8	178	133	10.4	-0.046	-0.114	0.165	0.043	28.3	0.058	-0.062	0.079
300	1800	50.30956	-120.842	981.5	653638	5575277	215501	16.8	-22.3	168.6	108	8.4	0.056	-0.109	0.197	0.028	23.7	0.077	-0.071	0.065
300	1800	50.30956	-120.842	981.6	653637.6	5575276	215744	17	-4.8	304.8	102	8.8	0.043	-0.134	0.217	-0.005	24	0.07	-0.051	0.09
300	1700	50.30919	-120.844	988.1	653538.5	5575232	221753	21.1	-2.3	145	106	9	0.022	-0.09	0.2	0.038	27.7	0.12	-0.045	0.092
300	1600	50.30871	-120.845	1008.1	653463.9	5575177	222846	25.9	14.5	75.4	181	8.3	0.173	-0.133	0.191	0.006	34.6	0.146	-0.051	0.091
300	1500	50.30826	-120.846	1012.8	653378.2	5575124	224109	8.7	7.1	55.6	138	8.1	0.074	-0.13	0.17	0.043	26.9	0.133	-0.046	0.108
300	1400	50.30785	-120.847	1024.9	653293.5	5575076	225121	6.8	-4.1	179.7	180	6.7	0.09	-0.158	0.175	0.003	35.3	0.168	-0.088	0.112
300	1400	50.30784	-120.847	1024.7	653293.1	5575076	225423	-13	-10.9	260.1	138	7	0.053	-0.148	0.204	0.018	28.5	0.149	-0.112	0.121
300	1300	50.30742	-120.848	1032	653208.6	5575026	230407	20.2	12	78	148	6.4	0.135	-0.095	0.22	0.017	33.3	0.148	-0.065	0.089
300	1200	50.30696	-120.85	1043.1	653117.9	5574972	231514	13.1	-10.8	187.8	87	5.7	0.103	-0.159	0.188	0.025	27.7	0.188	-0.079	0.08
100	1200	50.30539	-120.848	1014.8	653225.9	5574800	232741	-4.2	3.5	343.7	118	5.8	0.024	-0.071	0.223	0.042	25.6	0.124	-0.051	0.106

iN_0022	SNI_0022	rE_0045	rN_0045	iE_0045	iN_0045	SNI_0045	rE_0090	rN_0090	iE_0090	iN_0090	SNI_0090	rE_0180	rN_0180	iE_0180	iN_0180	SNI_0180	rE_0360	rN_0360	iE_0360	iN_0360
0.045	53.3	0.316	-0.065	-0.117	0.039	92.9	0.242	-0.035	-0.119	0.035	150.1	0.166	-0.005	-0.111	0.035	118.4	0.193	0.069	-0.09	-0.067
0.041	50.8	0.169	-0.055	-0.048	0.045	86.4	0.17	-0.029	-0.127	0.04	98.2	0.218	-0.017	-0.257	0.05	60.6	0.189	0.04	-0.151	-0.001
0.023	60.3	0.352	-0.034	-0.175	0.047	89.9	0.303	-0.042	-0.209	0.055	148.3	0.249	-0.049	-0.176	0.068	115.7	0.217	-0.034	-0.17	0.076
0.026	48.9	0.603	-0.098	-0.353	0.037	114.3	0.398	-0.06	-0.339	0.028	175.2	0.118	-0.013	-0.214	0.03	138.3	-0.177	0.371	-0.065	-0.115
0.01	48.4	-0.007	-0.056	-0.041	0.036	89	-0.069	-0.04	-0.09	0.021	103.9	0.321	-0.018	-0.084	0.003	103.5	0.024	0.022	-0.186	-0.044
0.039	53.8	0.37	-0.105	-0.288	0.062	82	0.281	-0.094	-0.31	0.065	134.6	0.145	-0.061	-0.236	0.06	113.5	0.159	-0.034	-0.187	0.02
0.027	49.3	0.04	-0.021	-0.232	0.063	56.8	0.119	-0.038	-0.283	0.057	92.4	0.195	-0.061	-0.292	0.075	105.1	0.174	-0.056	-0.18	0.017
0.038	55.3	0.179	-0.046	-0.157	0.052	83.2	0.146	-0.036	-0.179	0.035	131.1	0.2	-0.037	-0.22	0.033	119.5	0.154	-0.01	-0.173	0.004
0.053	52.1	0.087	-0.036	-0.105	0.039	68.5	0.168	-0.034	-0.203	0.033	93.8	0.366	-0.083	-0.211	-0.027	128.9	0.15	0.103	-0.095	-0.164
0.03	53.6	0.112	-0.008	-0.087	0.029	70.5	0.177	0.009	-0.136	-0.007	97.7	0.281	0.035	-0.226	-0.039	114.5	0.222	0.129	-0.121	-0.097
0.053	58.1	0.203	0.001	-0.18	0.066	69.1	0.274	0.001	-0.234	0.069	107.2	0.381	-0.056	-0.293	0.092	143.4	0.304	0.063	-0.14	0.005
0.067	30.3	0.508	0.018	-0.358	0.052	50.6	0.501	0.032	-0.338	0.035	103.9	0.44	-0.002	-0.333	0.068	120.2	0.314	0.138	-0.11	-0.067
0.043	52.1	0.219	0.107	-0.236	0.042	52.2	0.338	0.128	-0.306	0.029	83.4	0.426	0.101	-0.322	0.047	133.3	0.32	0.231	-0.086	-0.132
0.048	31	0.265	0.015	-0.182	0.034	41.6	0.323	0.032	-0.232	0.034	65.3	0.404	0.089	-0.325	0.018	71.2	0.293	0.263	-0.061	-0.14
0.04	38.6	-0.094	0.101	-0.201	0.005	34.2	0.219	0.193	-0.416	-0.062	39.1	0.44	0.222	-0.347	-0.091	96.6	0.3	0.244	-0.109	-0.08
0.058	33.7	0.106	0.069	-0.447	0.082	21.9	0.392	0.069	-0.421	0.04	49.9	0.452	0.03	-0.355	0.028	132.4	0.334	0.002	-0.225	0.006
0.061	28.5	-0.261	0.065	-0.313	0.064	24.7	0.544	0.054	-0.514	0.039	24.3	0.599	-0.025	-0.407	0.016	109.8	0.371	-0.031	-0.274	0.019
-0.054	48.7	0.628	0.121	-0.328	0.115	106.1	0.658	0.102	-0.161	0.022	344.5	0.639	0.09	-0.225	0.05	520.3	0.514	0.165	0.003	-0.105
-0.024	129.4	0.628	0.193	-0.045	0.04	256.5	0.577	0.305	-0.005	-0.041	738.8	0.546	0.365	0.071	-0.214	868.3	0.627	0.171	0.059	-0.314
0.013	28.2	0.481	0.02	-0.309	0.026	32.2	0.647	0.105	-0.224	-0.035	103.1	0.39	0.322	-0.24	-0.133	141.3	0.457	0.055	-0.028	-0.272
0.048	43.1	0.202	0.036	-0.165	0.048	55.9	0.326	0.051	-0.209	0.009	94.4	0.43	0.059	-0.294	0.006	162.3	0.34	0.14	-0.112	-0.15
0.036	32.7	0.305	-0.045	-0.236	0.057	38	0.438	0.003	-0.274	0.04	78.3	0.469	0.043	-0.291	-0.031	133.4	0.273	0.213	-0.051	-0.213
0.015	39.7	0.441	0.11	-0.129	0.035	69.6	0.496	0.2	-0.134	0	211.8	0.534	0.123	-0.154	-0.053	242.5	0.261	0.369	0.018	-0.186
0.027	51.4	0.089	0.012	-0.001	0.019	81.5	0.238	0.014	-0.109	0.013	95.5	0.386	0.038	-0.244	-0.051	113.2	0.29	0.156	-0.127	-0.085
0.026	43.5	0.41	0.029	-0.182	0.002	65.5	0.423	0.08	-0.191	-0.018	118.7	0.478	0.088	-0.204	-0.109	130.8	0.408	0.017	-0.085	-0.25
0.041	60.6	0.126	0.054	0.028	0.023	103.7	0.206	0.093	-0.04	-0.014	150.2	0.28	0.152	-0.148	-0.067	130.1	0.269	0.213	-0.066	-0.103
0.03	68	0.138	0.028	-0.029	0.044	102.3	0.214	0.078	-0.071	0.02	180.8	0.28	0.129	-0.147	-0.074	150.7	0.25	0.235	-0.045	-0.13
0.045	55.7	0.137	0.018	-0.081	0.037	86.1	0.211	0.039	-0.139	0.036	146.6	0.233	0.108	-0.196	-0.04	144.2	0.129	0.298	-0.065	-0.105
0.051	73	0.13	-0.001	-0.041	0.021	136.9	0.103	0.042	-0.094	-0.013	211.9	0.161	0.122	-0.162	-0.135	133.8	0.079	0.163	-0.133	-0.102
0.034	60.6	0.065	-0.044	-0.025	0.016	118.5	0.045	-0.014	-0.116	-0.001	158.7	0.053	0.021	-0.199	-0.022	114.5	0.033	0.057	-0.246	0.018
0.018	65.1	0.123	-0.047	0.002	0.02	108.7	0.116	-0.029	-0.082	0.017	153.9	0.141	0.005	-0.152	0	110.9	0.092	0.116	-0.171	-0.053
0.034	63.2	0.093	-0.028	-0.028	0.026	104.4	0.105	-0.028	-0.092	0.01	150.9	0.078	0.006	-0.159	-0.001	108.5	0.08	0.048	-0.195	0.007
0.025	75.1	0.147	-0.032	-0.012	0.028	117.8	0.165	-0.019	-0.069	0.023	156.7	0.159	-0.008	-0.078	0.024	131.6	0.146	0.08	-0.161	0.058
0.029	89.8	0.287	-0.024	-0.074	0.01	136.7	0.237	-0.013	-0.103	0.002	220.3	0.303	-0.124	-0.068	-0.012	135.5	0.301	-0.026	-0.141	-0.006
0.033	71.4	0.245	-0.018	-0.009	0.012	121.2	0.198	-0.027	-0.038	-0.002	186.6	0.24	-0.008	-0.068	-0.033	137.9	0.391	-0.144	-0.185	0.081
-0.001	93.2	0.2	-0.084	0.051	0.012	190.5	0.197	-0.083	0.001	-0.003	284.2	0.215	-0.081	-0.02	-0.011	215.5	0.305	-0.119	-0.128	-0.007
0.016	71.3	0.25	-0.099	0.001	0.018	149.2	0.209	-0.088	-0.032	0.004	257.5	0.19	-0.081	-0.008	-0.015	201.8	0.277	-0.119	-0.086	0.016
0.025	102.6	0.195	-0.032	0.047	0.018	209.7	0.191	-0.027	0.001	0.004	275.6	0.191	-0.025	-0.037	0.011	182.8	0.299	-0.09	-0.118	0.051
0.035	102	0.174	-0.058	0.022	0.026	197.2	0.145	-0.048	-0.018	0.024	295.9	0.189	-0.056	-0.042	0.01	193.9	0.171	-0.042	-0.109	0.005
0.04	82.1	0.159	-0.017	0.051	0.031	171.9	0.167	0	-0.005	0.011	248.8	0.17	0.011	-0.021	0.01	169.1	0.249	0	-0.123	0.018

SNI_0360	rE_0720	rN_0720	iE_0720	iN_0720	SNI_0720	rE_1440	rN_1440	iE_1440	iN_1440	SNI_1440
50.8	0.219	-0.024	-0.08	-0.064	61.3	0.228	-0.065	-0.12	0.073	50.7
29.5	0.168	-0.014	-0.118	-0.003	48.3	0.163	0.004	-0.1	0.038	50.1
86.5	0.2	-0.127	-0.076	-0.035	66.2	0.262	-0.225	-0.071	-0.046	47.4
32.9	-0.034	0.07	-0.072	-0.112	40.1	0.011	0.369	-0.1	0.165	44
31.8	0.116	-0.06	-0.095	-0.117	26.2	-0.028	0.257	-0.034	-0.067	41.9
85.3	0.082	0.14	-0.122	-0.042	41	0.059	0.14	-0.075	0.045	54.3
70.9	0.103	0.087	-0.111	-0.061	45.3	0.083	0.025	-0.049	-0.033	55.1
84.9	0.102	0.114	-0.086	-0.108	50.7	0.022	0.292	-0.062	0.075	91.4
50.9	0.123	0.116	-0.119	-0.07	57.3	0.095	0.085	-0.075	0.008	93.4
69.3	0.208	0.15	-0.127	-0.093	63.8	0.164	0.119	-0.077	-0.069	108.2
117	0.226	0.281	-0.085	-0.185	78.2	0.227	0.075	-0.092	-0.081	108.7
88.3	0.244	0.376	-0.068	-0.23	82.8	0.199	0.261	-0.059	-0.2	117.9
92.2	0.257	0.416	-0.071	-0.203	93.3	0.238	0.245	-0.074	-0.156	149.9
74.9	0.27	0.396	-0.105	-0.09	77.1	0.224	0.211	-0.046	-0.235	93.8
180.4	0.332	0.279	-0.117	-0.114	173.1	0.167	0.279	-0.051	-0.221	198.3
231	0.38	0.007	-0.17	0.011	510.3	0.13	0.316	-0.04	-0.233	425.6
236.9	0.428	-0.029	-0.187	0.018	667.2	0.107	0.346	-0.057	-0.219	395.1
660.8	0.458	0.159	-0.156	0.002	614.7	0.15	0.372	-0.067	-0.205	580.6
691.9	0.566	0.231	-0.081	0.062	449	0.275	0.442	-0.095	-0.096	310.5
229.5	0.355	0.216	-0.08	-0.109	257.6	0.11	0.529	0.024	-0.364	674.5
227.3	0.296	0.281	-0.101	-0.077	212.2	0.158	0.412	-0.004	-0.34	516.9
151.5	0.236	0.355	-0.084	-0.06	168.8	0.119	0.422	0.007	-0.343	473
247.3	0.265	0.343	-0.129	-0.041	165.4	0.167	0.299	-0.059	-0.271	279.2
93.6	0.262	0.317	-0.1	-0.133	83	0.226	0.115	-0.068	-0.26	165.7
97.9	0.289	0.296	-0.105	-0.082	83.1	0.289	0.072	-0.069	-0.233	110.2
75.9	0.293	0.267	-0.089	-0.029	77.3	0.279	0.155	-0.064	-0.15	117.5
78.5	0.302	0.177	-0.09	-0.078	65.6	0.284	0.03	-0.066	-0.179	87.3
61.9	0.161	0.235	-0.086	-0.029	60.8	0.159	0.126	-0.066	-0.134	71.7
75.2	0.065	0.135	-0.117	-0.015	81.3	0.06	0.063	-0.056	-0.083	93.6
61.7	-0.011	0.084	-0.146	-0.07	57.8	-0.033	0.018	-0.075	-0.086	74.1
44.2	0.011	0.268	-0.093	-0.049	52.5	0.059	0.086	-0.039	-0.133	54.8
74.9	-0.006	0.227	-0.103	-0.03	48	-0.038	0.28	-0.076	0.074	76.6
65	0.185	0.094	-0.079	-0.036	38.7	0.194	0.049	-0.024	-0.084	58.6
69.7	0.281	-0.042	-0.066	-0.044	54.8	0.277	-0.006	-0.024	-0.011	91.9
84.5	0.278	-0.001	-0.091	-0.008	59.2	0.215	0.169	-0.076	0.064	95.2
62.8	0.322	-0.158	-0.049	-0.105	36.4	0.336	-0.231	-0.008	-0.25	53.3
75.3	0.288	-0.079	-0.053	-0.077	34.2	0.302	-0.172	-0.036	-0.121	50.3
99.3	0.26	0.023	-0.066	-0.026	44.1	0.187	0.292	-0.057	-0.007	64.9
68.5	0.17	-0.044	-0.105	-0.002	87.6	0.191	-0.129	-0.072	-0.012	114
59.2	0.2	0.007	-0.093	0.007	105	0.208	0.034	-0.091	0.009	197

Line	Point	LAT	LON	Alt	X	Y	GPSt	Pt	Rl	Az	Dur	IndNs	rE_0011	rN_0011	iE_0011	iN_0011	SNI_0011	rE_0022	rN_0022	iE_0022
100	1100	50.30496	-120.85	1040.3	653135.9	5574750	181345	9	6.6	106	115	6.7	0.078	-0.096	0.253	0.033	33	0.179	-0.025	0.108
100	1100	50.30496	-120.85	1040.2	653135.4	5574750	181557	-10.1	1.8	317.7	111	6.6	0.092	-0.121	0.192	0.023	36.7	0.144	-0.051	0.094
100	1000	50.30452	-120.851	1046.9	653046.4	5574699	182309	8.5	-3.1	311	107	8.1	0.04	-0.104	0.204	0.053	38.5	0.139	-0.034	0.093
100	900	50.30409	-120.852	1074.8	652960	5574649	183029	-11.3	12.6	256.8	109	6.4	0.063	-0.123	0.215	0.022	29.5	0.147	-0.057	0.08
100	800	50.30368	-120.853	1077.1	652877.6	5574601	183628	-6.6	-23.3	359.9	116	5.9	0.095	-0.066	0.189	0.013	45.5	0.154	-0.021	0.08
100	700	50.30319	-120.854	1077.4	652787.9	5574543	184302	27.7	-13.4	168.7	107	5.2	0.042	-0.149	0.165	0.024	42.5	0.168	-0.081	0.092
100	700	50.30318	-120.854	1077.2	652787.7	5574542	184530	-8.1	-3.2	302.7	119	5	0.034	-0.127	0.184	0.031	43.9	0.128	-0.068	0.076
100	600	50.30279	-120.856	1073.8	652703.2	5574496	185127	-13.8	15.9	70.8	102	4.3	0.092	-0.102	0.182	0.005	54.1	0.168	-0.07	0.085
100	500	50.30235	-120.857	1056.2	652624.1	5574445	190011	-15.6	8.7	82.3	123	4	-0.005	-0.172	0.13	0.035	47	0.131	-0.075	0.066
100	400	50.302	-120.858	1053.5	652532.4	5574403	191308	6.8	-9.9	140.4	110	3.8	0.074	-0.148	0.232	0.004	43.7	0.23	-0.111	0.086
100	300	50.30146	-120.859	1075.7	652444.8	5574340	192426	0.8	-1.5	241.3	110	3.2	0.108	-0.141	0.202	0	39.8	0.187	-0.105	0.113
100	300	50.30146	-120.859	1074.9	652445.6	5574341	192647	-2.4	3.3	106.8	106	3.4	0.174	-0.134	0.203	-0.002	38.5	0.201	-0.078	0.11
100	200	50.30101	-120.861	1082.5	652359.3	5574289	193501	-3.6	-6.1	226.1	145	3.2	0.137	-0.16	0.196	-0.001	53.9	0.223	-0.106	0.125
100	100	50.30059	-120.862	1095.8	652274.3	5574239	194427	-5	1.5	147.7	101	3.1	0.171	-0.113	0.231	0.028	29.8	0.249	-0.078	0.14
100	0	50.30013	-120.863	1112.2	652184	5574185	195044	0.7	-5.8	219.1	107	2.7	0.111	-0.19	0.148	0.017	35.6	0.265	-0.093	0.142
300	0	50.30178	-120.864	1112.3	652085	5574366	202819	-8.9	-9.8	211.7	98	3	0.155	-0.138	0.167	0.038	60.9	0.239	-0.072	0.137
300	0	50.30177	-120.864	1112.4	652083.2	5574364	203019	-3.9	14.2	324.7	95	2.9	0.152	-0.095	0.214	0.059	39.4	0.264	-0.058	0.094
300	100	50.30218	-120.863	1106.1	652170.1	5574413	203559	-2.1	-5	284.3	95	2.8	0.097	-0.128	0.17	0.052	39.9	0.195	-0.061	0.117
300	200	50.30258	-120.862	1079.3	652258.5	5574460	204305	-14	-8.6	257.5	87	2.8	0.108	-0.159	0.148	0.002	40.3	0.232	-0.085	0.106
300	300	50.30305	-120.861	1079.8	652343.1	5574515	204900	11	-3.5	237	97	3.2	0.153	-0.151	0.212	0.016	36	0.201	-0.088	0.126
300	300	50.30305	-120.861	1079.9	652344.5	5574515	205114	-0.2	1.1	118.2	110	3.5	0.179	-0.11	0.175	0.018	47	0.242	-0.078	0.103
300	400	50.30351	-120.859	1081.4	652432.5	5574568	205926	-21.9	2.9	260.7	140	3.7	0.096	-0.108	0.215	0.026	44.1	0.206	-0.091	0.09
300	500	50.30376	-120.858	1078.9	652509	5574598	211420	-17.7	-8.9	70.6	103	3.4	0.16	0.007	0.189	0.003	30.1	0.197	-0.059	0.096
300	500	50.30366	-120.858	1092.9	652507.3	5574588	211645	-3.9	3.6	206.9	117	3.8	0.456	-0.167	0.056	-0.054	33.6	0.325	-0.089	0.012
300	600	50.30437	-120.857	1075.1	652603.9	5574669	213134	-4.1	-15.1	338.9	126	4.3	-0.073	-0.059	0.27	0.006	34.9	0.14	-0.079	0.073
300	700	50.30478	-120.856	1092.5	652687.5	5574717	213825	2.9	-2.4	285.8	99	4.4	0.104	-0.107	0.168	0.017	48.3	0.14	-0.086	0.07
300	800	50.30523	-120.855	1093.7	652773.4	5574770	214552	3	5.9	329.6	147	5.1	0.067	-0.084	0.161	0.054	48.3	0.183	-0.044	0.059
300	800	50.30522	-120.855	1091.9	652774.8	5574769	214758	10.2	-1.2	133.6	96	4.9	0.102	-0.09	0.202	0.018	34.4	0.179	-0.051	0.05
300	900	50.30566	-120.853	1083.9	652861.2	5574820	215354	16.7	-1.6	326.7	122	5	0.058	-0.092	0.152	0.061	42	0.169	-0.041	0.079
300	1000	50.30607	-120.852	1063.8	652944.9	5574868	215955	15.7	-7.8	222.7	112	5.7	0.084	-0.136	0.159	0.045	35.8	0.176	-0.06	0.081
300	1100	50.30655	-120.851	1054.6	653031.1	5574924	220547	8.8	-0.9	327.8	141	5.6	0.038	-0.142	0.165	0.022	55.8	0.143	-0.05	0.071
500	1100	50.30816	-120.852	1072.5	652929.5	5575100	221730	-7.4	-5.4	320.9	111	5	0.096	-0.108	0.204	0.014	39.2	0.164	-0.065	0.093
500	1100	50.30816	-120.852	1072.4	652929.6	5575100	221945	5.6	-5.9	275.9	101	4.9	0.108	-0.103	0.207	-0.003	37	0.183	-0.084	0.078
500	1200	50.30855	-120.851	1070.6	653017.4	5575146	222700	-7.7	4.2	13.3	116	6.3	0.045	-0.115	0.166	0.026	53.2	0.145	-0.04	0.092
500	1300	50.30895	-120.85	1062	653103.4	5575193	223422	-10.1	-6.6	59	201	7.5	0.086	-0.088	0.186	0.015	71.9	0.142	-0.059	0.065
500	1400	50.30939	-120.849	1055.6	653189.1	5575245	224052	7.1	-0.7	38.8	137	7.9	0.1	-0.097	0.193	0.016	46.5	0.163	-0.047	0.066
500	1500	50.30984	-120.847	1045.9	653277.3	5575297	224815	4.8	12	349	124	7.8	0.114	-0.103	0.213	0.021	39.2	0.156	-0.051	0.084
500	1500	50.30985	-120.847	1044.7	653276.9	5575298	225042	3.4	-5.9	190.1	120	8	0.243	-0.145	0.113	-0.013	35.6	0.258	-0.08	0.02
500	1600	50.31028	-120.846	1017.5	653363.7	5575349	225656	-15.7	-25.4	210.5	95	8.5	0.098	-0.124	0.201	-0.01	38.5	0.204	-0.068	0.088

iN_0022	SNI_0022	rE_0045	rN_0045	iE_0045	iN_0045	SNI_0045	rE_0090	rN_0090	iE_0090	iN_0090	SNI_0090	rE_0180	rN_0180	iE_0180	iN_0180	SNI_0180	rE_0360	rN_0360	iE_0360	iN_0360
0.033	93.1	0.269	-0.021	-0.042	0.031	150.9	0.235	0.004	-0.088	0.028	197.1	0.188	0.025	-0.072	0.006	165.8	0.247	0.041	-0.102	-0.029
0.041	88.2	0.202	-0.02	0.007	0.042	146.3	0.19	-0.015	-0.06	0.033	185.5	0.148	0.007	-0.032	0.016	251.7	0.2	0.024	-0.075	-0.016
0.043	95.5	0.187	-0.011	0.008	0.054	172.6	0.156	0.01	-0.075	0.05	209.5	0.131	0.031	-0.098	0.054	153.8	0.154	0.041	-0.176	0.046
0.056	78.3	0.206	-0.039	-0.001	0.047	153.2	0.161	-0.008	-0.066	0.062	158.1	0.152	0.025	-0.101	0.05	78.5	0.166	0.078	-0.12	0.037
0.065	103.9	0.169	0.017	0.023	0.042	210.1	0.167	0.026	-0.053	0.042	204.9	0.107	0.043	-0.037	0.028	121	0.146	0.066	-0.047	0.01
0.038	98.5	0.21	-0.062	0.004	0.03	190.1	0.153	-0.041	-0.05	0.021	300.8	0.116	-0.026	-0.044	0.015	275.4	0.102	-0.011	-0.029	-0.002
0.024	99.2	0.161	-0.054	0.014	0.031	177.3	0.157	-0.038	-0.048	0.019	170.1	0.13	-0.026	-0.108	0.04	86.4	0.157	-0.027	-0.045	-0.005
0.023	106.9	0.164	-0.034	0.007	0.02	225.6	0.139	-0.039	-0.073	-0.007	257	0.077	-0.045	-0.095	-0.01	157.5	0.098	-0.056	-0.097	-0.012
0.022	113.9	0.158	-0.056	0.004	0.018	237.1	0.112	-0.062	-0.089	-0.007	286.1	0.044	-0.073	-0.118	-0.026	177.7	0.005	-0.094	-0.122	-0.032
0.029	93.2	0.225	-0.082	0.038	0.024	192.5	0.205	-0.08	-0.024	0.012	196.8	0.174	-0.088	-0.068	0.013	86.7	0.083	-0.085	-0.069	0.011
0.028	92.3	0.215	-0.082	0.039	0.037	164.9	0.295	-0.097	-0.046	0.024	91.3	0.156	-0.073	-0.084	0.016	88.5	0.095	-0.069	-0.106	0.006
0.046	95.6	0.222	-0.048	0.035	0.034	176.7	0.243	-0.047	-0.032	0.018	149.6	0.187	-0.039	-0.093	0.018	60.1	0.159	-0.051	-0.068	0.033
0.028	127.8	0.239	-0.089	0.065	0.015	245.3	0.251	-0.088	0.007	-0.002	268.7	0.24	-0.088	-0.056	-0.016	148.5	0.217	-0.107	-0.077	-0.022
0.037	75.2	0.312	-0.049	0.083	0.028	145.8	0.339	-0.044	0.043	0.015	166	0.308	-0.049	-0.011	-0.005	66.6	0.434	-0.03	0.03	0.002
0.046	92	0.307	-0.064	0.093	0.036	187.4	0.354	-0.044	0.044	0.015	211.3	0.381	-0.045	0.018	0.001	67.4	0.46	-0.078	-0.048	-0.044
0.046	134	0.272	-0.034	0.097	0.051	268.2	0.314	-0.02	0.075	0.042	238.2	0.34	0.02	0.006	0.02	139.5	0.272	0.046	-0.032	0.002
0.041	86	0.316	-0.014	0.061	0.054	176.8	0.286	-0.028	0.053	0.041	87.8	0.334	0.037	-0.023	0.04	101.2	0.474	0.054	-0.061	0.026
0.055	92.5	0.284	-0.03	0.063	0.065	175.5	0.296	0.012	0.02	0.061	230.4	0.278	0.033	-0.003	0.078	120.2	0.239	0.072	-0.102	0.079
0.049	85	0.224	-0.072	0.073	0.039	201.6	0.254	-0.048	0.006	0.031	239.1	0.239	-0.04	-0.042	0.028	129	0.22	-0.035	-0.076	0.02
0.019	83.6	0.247	-0.073	0.064	0.029	185.6	0.247	-0.055	0.004	0.018	217.7	0.236	-0.05	-0.035	0.015	99	0.168	-0.034	-0.121	0.013
0.025	102.2	0.259	-0.047	0.073	0.024	228.8	0.262	-0.043	0.007	0.018	298.8	0.243	-0.035	-0.031	0.014	144.3	0.232	-0.03	-0.009	0.016
0.04	101.5	0.207	-0.062	0.064	0.046	206.2	0.202	-0.046	-0.013	0.043	268.3	0.173	-0.027	-0.056	0.051	155.8	0.128	-0.004	-0.064	0.057
0.023	81.5	0.224	-0.042	-0.023	0.017	172.7	0.177	-0.027	-0.077	0.027	242.5	0.097	-0.008	-0.237	-0.002	51.2	-0.881	0.393	-0.107	-0.037
0.048	106.9	0.248	-0.082	0.007	0.028	169.8	0.197	-0.061	-0.084	0.02	200.5	0.418	-0.078	-0.05	0.028	294	0.512	-0.136	-0.013	0.004
0.029	102.2	0.159	-0.055	-0.037	0.022	203.7	0.117	-0.053	-0.105	0.009	268.5	0.105	-0.069	-0.128	0.011	133.6	0.319	-0.072	-0.118	0.023
0.021	90.5	0.143	-0.058	0.011	0.025	197.3	0.119	-0.049	-0.063	0.027	233.2	0.088	-0.031	-0.115	0.03	131.3	0.034	0.007	-0.135	0.019
0.046	106	0.218	-0.029	-0.039	0.035	192.2	0.168	-0.006	-0.085	0.034	269.1	0.099	0.013	-0.086	0.031	178.2	0.12	0.034	-0.092	0.017
0.036	81.3	0.21	-0.025	-0.01	0.036	169	0.17	-0.009	-0.052	0.031	224.8	0.136	0.002	-0.087	0.04	149.7	0.14	0.023	-0.135	0.011
0.041	87.9	0.205	-0.024	0.01	0.044	179.3	0.175	0.015	-0.031	0.041	258	0.142	0.05	-0.063	0.034	144.5	0.156	0.177	-0.063	-0.023
0.042	88.5	0.181	-0.032	0.027	0.037	172.6	0.181	-0.018	-0.038	0.041	222.3	0.187	0.033	-0.092	0.025	152	0.436	0.063	-0.18	0.005
0.039	120.3	0.199	-0.034	-0.041	0.015	208.4	0.152	-0.013	-0.096	0.02	330.2	0.102	-0.002	-0.083	0.015	254.7	0.293	0.031	-0.078	0.001
0.032	92.3	0.179	-0.054	0.014	0.02	188.3	0.149	-0.045	-0.041	0.018	229.1	0.104	-0.03	-0.113	0.006	201.7	0.146	-0.014	-0.102	-0.003
0.039	83.3	0.174	-0.057	0.019	0.022	173.1	0.156	-0.061	-0.053	0.014	222.7	0.126	-0.041	-0.116	0.004	142.2	0.162	-0.032	-0.144	-0.001
0.037	115.7	0.164	-0.03	-0.009	0.016	220.8	0.144	-0.015	-0.074	0.008	236.3	0.106	-0.012	-0.102	-0.016	178	0.119	0.003	-0.159	-0.001
0.029	140.9	0.175	-0.025	-0.028	0.012	244.7	0.14	-0.019	-0.091	-0.009	352.2	0.102	-0.008	-0.108	-0.005	257.5	0.116	0.033	-0.161	-0.022
0.024	94.6	0.156	-0.035	0.016	0.012	206.4	0.147	-0.03	-0.064	0.002	301.9	0.112	-0.021	-0.075	-0.012	249.4	0.161	0.023	-0.11	-0.031
0.028	96.1	0.213	-0.034	-0.013	0.01	176.5	0.182	-0.027	-0.041	-0.003	274	0.175	-0.017	-0.053	0.002	226.8	0.246	0.009	-0.09	-0.008
0.02	71.1	0.526	-0.043	-0.29	-0.011	117.4	0.325	-0.027	-0.202	-0.024	227	0.201	-0.038	-0.091	0.002	225.9	0.269	-0.048	-0.127	0.03
0.02	72	0.249	-0.045	0.013	0.017	125.1	0.231	-0.031	-0.022	0.01	203.9	0.24	-0.026	-0.044	0.015	179.4	0.304	-0.02	-0.076	0.025

SNI_0360	rE_0720	rN_0720	iE_0720	iN_0720	SNI_0720	rE_1440	rN_1440	iE_1440	iN_1440	SNI_1440
98.1	0.286	0.04	-0.075	-0.048	81.3	0.229	0.07	-0.03	-0.202	36.6
209.1	0.228	0.02	-0.104	-0.039	117.3	0.173	0.119	-0.104	0.048	51.8
65.1	0.102	0.286	-0.14	0.043	24.4	-0.003	0.488	-0.065	-0.001	34.9
35.7	0.107	0.25	-0.094	-0.011	28.7	0.047	0.456	-0.06	0.016	40.3
56.2	0.141	0.08	-0.063	-0.018	52.3	0.151	0.139	-0.059	0.065	48.7
104.7	0.219	-0.011	0.006	-0.053	27.4	0.332	-0.596	-0.014	-0.087	26.8
52.5	0.24	-0.049	-0.056	0.162	24.1	0.155	-0.012	0.016	-0.036	35.7
45.4	0.123	-0.134	-0.112	-0.012	28.1	0.153	-0.261	-0.039	-0.064	26.8
36.6	0.069	-0.44	-0.147	0.064	31.4	-0.019	-0.136	-0.113	-0.023	19.8
31.5	0.197	-0.073	-0.005	0	29.4	0.22	-0.101	0.041	-0.058	9.3
35.7	0.361	-0.021	-0.018	0.011	40.1	0.15	-0.053	-0.145	0.202	12.2
18.1	0.198	-0.122	0.002	-0.036	8.8	0.203	-0.032	0.02	-0.145	14.6
44.2	0.278	-0.062	-0.033	-0.02	25.4	0.225	-0.013	-0.097	0.05	18.1
27.2	0.372	-0.049	0.023	-0.002	30.5	0.359	0.037	-0.01	-0.074	19.6
19.7	0.669	-0.353	-0.21	-0.339	50.1	0.464	-0.485	-0.025	-0.274	9.1
26.8	0.349	-0.05	-0.054	-0.045	31.5	0.369	-0.202	-0.033	-0.184	18.1
25.8	0.45	0.032	-0.141	0.023	19	0.327	-0.105	-0.081	0.055	24
20.4	0.223	0.11	0.02	0.038	20.2	0.272	0.001	-0.109	-0.067	8.8
32	0.147	-0.119	-0.091	-0.013	17.6	0.227	-0.268	-0.084	-0.101	17.5
18.1	0.091	-0.015	-0.072	-0.116	15.6	0.287	-0.237	-0.061	0.019	11.2
33.3	0.166	-0.075	0.001	-0.002	24.4	0.301	-0.097	0.01	-0.196	14
30.1	0.254	0.033	-0.01	0.078	28.6	0.254	-0.111	-0.031	0.049	21.1
64.2	-0.734	0.649	-0.026	0.017	85.8	-0.301	0.904	0.105	-0.005	34.7
314.6	0.498	-0.138	-0.013	-0.008	389.3	0.243	-0.062	-0.053	-0.009	159.6
47.2	0.326	-0.277	-0.087	0.025	54.3	-0.084	-0.021	-0.14	0.125	21.4
37.1	0.049	0.013	-0.097	-0.04	22.9	0.051	-0.053	-0.114	0.166	30.5
55.1	0.123	0.077	-0.06	-0.053	51	0.015	0.356	-0.037	0.051	47.3
39.6	0.167	-0.052	0.003	-0.121	26.1	0.221	-0.16	-0.009	-0.133	38.7
34	0.132	0.249	-0.088	-0.003	22.1	0.093	0.379	-0.045	0.049	43.6
47.7	0.325	0.127	-0.11	-0.021	55.2	0.196	-0.03	-0.067	-0.033	29.7
111	0.14	0.027	-0.121	-0.034	77	-0.013	0.35	-0.092	0.106	46.1
80.5	0.122	-0.016	-0.151	-0.03	70.2	0.063	0.084	-0.098	0.023	34.6
47.2	0.089	-0.04	-0.121	-0.041	45.7	0.124	-0.172	-0.117	0.074	33.7
33.8	0.126	0.023	-0.127	0.002	23.6	0.021	0.188	-0.084	0.07	44.7
61.3	0.088	0.11	-0.09	-0.063	41.3	0.053	0.122	-0.075	0.074	62
69.3	0.163	0.005	-0.075	-0.055	33.8	0.083	0.198	-0.033	-0.061	71.1
82.8	0.217	0.105	-0.076	-0.025	37.5	0.106	0.418	-0.042	-0.013	73.6
76.1	0.272	-0.054	-0.085	-0.02	34.6	0.286	-0.136	-0.035	-0.126	46.7
96	0.305	0.027	-0.043	0.004	49.2	0.33	0.058	0.009	-0.095	54.8

Line	Point	LAT	LON	Alt	X	Y	GPSt	Pt	Rl	Az	Dur	IndNs	rE_0011	rN_0011	iE_0011	iN_0011	SNI_0011	rE_0022	rN_0022	iE_0022
500	1700	50.31072	-120.845	1014.1	653450.1	5575400	174527	-7.3	10.7	313.5	127	11.2	0.122	-0.116	0.183	0.038	26.4	0.175	-0.073	0.073
500	1700	50.31072	-120.845	1014	653449.9	5575400	174739	-9.3	-12.4	49.4	105	10.3	0.05	-0.084	0.154	0.039	30.9	0.162	-0.019	0.114
500	1800	50.31117	-120.844	1010.9	653532.7	5575452	175338	2.7	8.7	43.6	106	10.5	0.046	-0.066	0.197	0.011	30	0.138	-0.024	0.103
500	1900	50.31158	-120.842	999.7	653616.8	5575500	175912	22.8	6	109.5	109	11.2	0.19	-0.056	0.235	0.012	25.1	0.097	-0.025	0.113
500	2000	50.31201	-120.841	993.7	653705.1	5575551	180428	-4.5	13.6	16.6	120	13.7	-0.003	-0.057	0.163	0.036	51	0.088	0.019	0.073
500	2100	50.31244	-120.84	975.9	653792.7	5575602	181030	-6.6	10.8	292.5	120	13	-0.065	-0.109	0.144	0.041	31.5	0.024	-0.004	0.038
500	2100	50.31243	-120.84	975.7	653793	5575601	181251	5.8	-14.9	153.2	114	12.3	-0.012	-0.084	0.256	0.02	24.3	0.092	-0.028	0.035
500	2200	50.31286	-120.839	971.1	653878.5	5575651	181907	-3.8	18.6	296	110	19.6	-0.031	-0.11	0.127	0.056	28.6	0.154	-0.051	-0.075
500	2300	50.31329	-120.837	954.1	653965.7	5575702	182550	-1.5	-2.4	264.3	115	17.8	0.025	-0.091	0.216	0.05	27.1	0.079	0.014	0.074
500	2400	50.31374	-120.836	955.7	654049.6	5575754	183244	14.1	-15.4	1.1	117	20	-0.022	-0.08	0.197	0.052	30.2	0.083	0.022	0.082
500	2500	50.31415	-120.835	949.5	654135.8	5575802	183854	-8	-8.6	66.5	115	23.2	-0.019	-0.063	0.207	0.047	25.2	0.166	0.026	0.015
500	2500	50.31415	-120.835	949.8	654134.7	5575801	184127	0.7	-4.7	250.1	131	24.3	-0.02	-0.094	0.149	0.047	27.6	0.249	-0.027	0.029
500	2600	50.31457	-120.834	966.1	654219.5	5575850	185001	-4.7	-0.6	31.4	113	27.4	-0.09	-0.093	0.252	0.061	21.5	0.104	0.004	0.029
500	2700	50.31499	-120.833	954.2	654310.8	5575901	185816	2	-14.6	9.3	142	35.9	0.049	-0.09	0.186	0.04	18.5	0.532	-0.087	-0.043
700	2800	50.31696	-120.833	984.1	654296.6	5576119	190948	12.4	-6.4	205.8	130	39.9	0.247	-0.002	0.326	-0.075	14.7	0.662	0.002	-0.133
700	2700	50.31655	-120.834	973	654214.1	5576071	191541	8.8	-5.4	119.4	101	42.9	0.001	-0.037	0.234	0.035	26.1	0.108	0.007	0.059
700	2700	50.31655	-120.834	972.7	654213.1	5576071	191820	-18.3	-11.9	20.9	115	37.5	-0.059	-0.072	0.188	0.055	21.2	0.244	-0.008	-0.008
700	2600	50.31613	-120.835	972.2	654129	5576022	192516	-10.6	18	142.1	108	28.4	0.112	-0.065	0.132	0.033	42	0.186	-0.049	0.049
700	2500	50.31574	-120.836	970.9	654042.2	5575976	193411	0.6	5.7	90.9	102	25.7	0.1	-0.058	0.228	0.024	38.1	0.1	-0.004	0.068
700	2400	50.31525	-120.838	973.4	653957.3	5575919	194213	0.9	-8.7	160.2	136	23.6	0.036	-0.089	0.212	0.016	26.9	0.146	-0.039	0.021
700	2300	50.31481	-120.839	986.2	653867.3	5575867	194907	-3.3	18	146.5	118	22.3	0.027	-0.041	0.199	0.029	27.5	0.116	-0.002	-0.006
700	2300	50.31482	-120.839	985	653866.4	5575868	195115	10.1	9.3	10.9	101	23.8	0.088	-0.091	0.188	0.023	25.1	0.222	-0.022	-0.043
700	2200	50.31441	-120.84	995.9	653784.2	5575821	195825	3.7	0.6	275.8	138	18	0.034	-0.075	0.223	0.001	28.3	0.103	-0.035	0.017
700	2100	50.31395	-120.841	995	653696.1	5575767	210707	13.5	-8.1	151.4	107	17.6	-0.003	-0.068	0.182	0.063	29.2	0.152	-0.023	0.026
700	2000	50.31351	-120.842	1001.6	653609.8	5575715	211359	-2.7	-4	280.6	116	12.9	0.007	-0.068	0.211	0.005	22.8	0.142	-0.014	0.101
700	1900	50.31309	-120.844	1008.3	653520.2	5575666	212150	1.8	-3.6	223	169	11	0.123	-0.115	0.174	0.026	36.2	0.181	-0.056	0.044
700	1900	50.31308	-120.844	1008	653521.4	5575665	212419	-1.4	-4.8	215.8	120	13	-0.012	-0.035	0.156	0.075	27.6	0.166	-0.053	0.093
700	1800	50.31266	-120.845	1007.3	653432.9	5575616	213047	-0.2	-1.1	241.6	118	10.6	0.147	-0.102	0.191	0.047	33.6	0.21	-0.051	0.076
700	1700	50.31222	-120.846	1009.9	653347.4	5575564	213712	5.8	-7.2	230.5	110	10.4	0.112	-0.085	0.155	0.005	33.3	0.208	-0.046	0.083
700	1600	50.31178	-120.847	1023.5	653264.2	5575512	214555	-12.7	-32.9	190	115	9.5	0.091	-0.132	0.205	0.034	27.1	0.173	-0.068	0.087
700	1500	50.31134	-120.849	1053.5	653178	5575462	215954	9.3	2.8	67	134	9.5	0.127	-0.079	0.199	0.012	31.6	0.183	-0.052	0.044
700	1500	50.31134	-120.849	1053.5	653177.6	5575461	220224	1.4	12.9	344.3	123	8.3	0.156	-0.037	0.208	0.054	25	0.152	-0.046	0.069
700	1400	50.31092	-120.85	1065.9	653089.7	5575412	221410	2	5.4	61.8	115	6.8	0.094	-0.116	0.14	0.03	29.9	0.142	-0.044	0.066
700	1300	50.31052	-120.851	1071.2	653005.5	5575365	222357	-9.4	-5.5	359.2	110	6.7	-0.172	-0.055	0.114	0.036	38.9	0.052	-0.041	0.066
700	1200	50.31009	-120.852	1076.6	652921.4	5575315	223135	-8.8	2.7	32.4	132	6	0.081	-0.074	0.214	0.009	29.6	0.171	-0.043	0.096
700	1100	50.30959	-120.854	1081.6	652832	5575257	224020	2.6	-9.8	166	136	5.7	0.129	-0.115	0.194	0.017	25.6	0.215	-0.091	0.075
700	1100	50.3096	-120.854	1081.7	652832.6	5575258	224237	3.3	3.6	50.3	110	6.2	0.105	-0.073	0.178	0.089	29.3	0.185	-0.06	0.109
700	1000	50.30923	-120.855	1092.4	652745.4	5575214	225329	5.6	-0.1	138.1	139	4.9	0.136	-0.098	0.219	-0.001	33.5	0.212	-0.063	0.098
700	900	50.30878	-120.856	1106.2	652662.6	5575161	230400	9.7	3.9	322.7	126	4.8	0.097	-0.083	0.166	0.03	36.3	0.171	-0.065	0.075
500	900	50.30726	-120.855	1095	652761.7	5574995	231649	4.8	10.1	345.6	113	5.5	0.166	-0.113	0.17	0.016	25.3	0.143	-0.027	0.064
500	1000	50.30768	-120.853	1078.3	652844	5575044	232606	-2.9	7.9	24.5	115	5.9	0.149	-0.107	0.119	0.053	30.5	0.198	-0.042	0.098
500	1000	50.30766	-120.853	1077.8	652844	5575042	232842	-3.2	-9.7	259.4	121	6.5	0.131	-0.126	0.136	0.07	29.7	0.194	-0.068	0.081

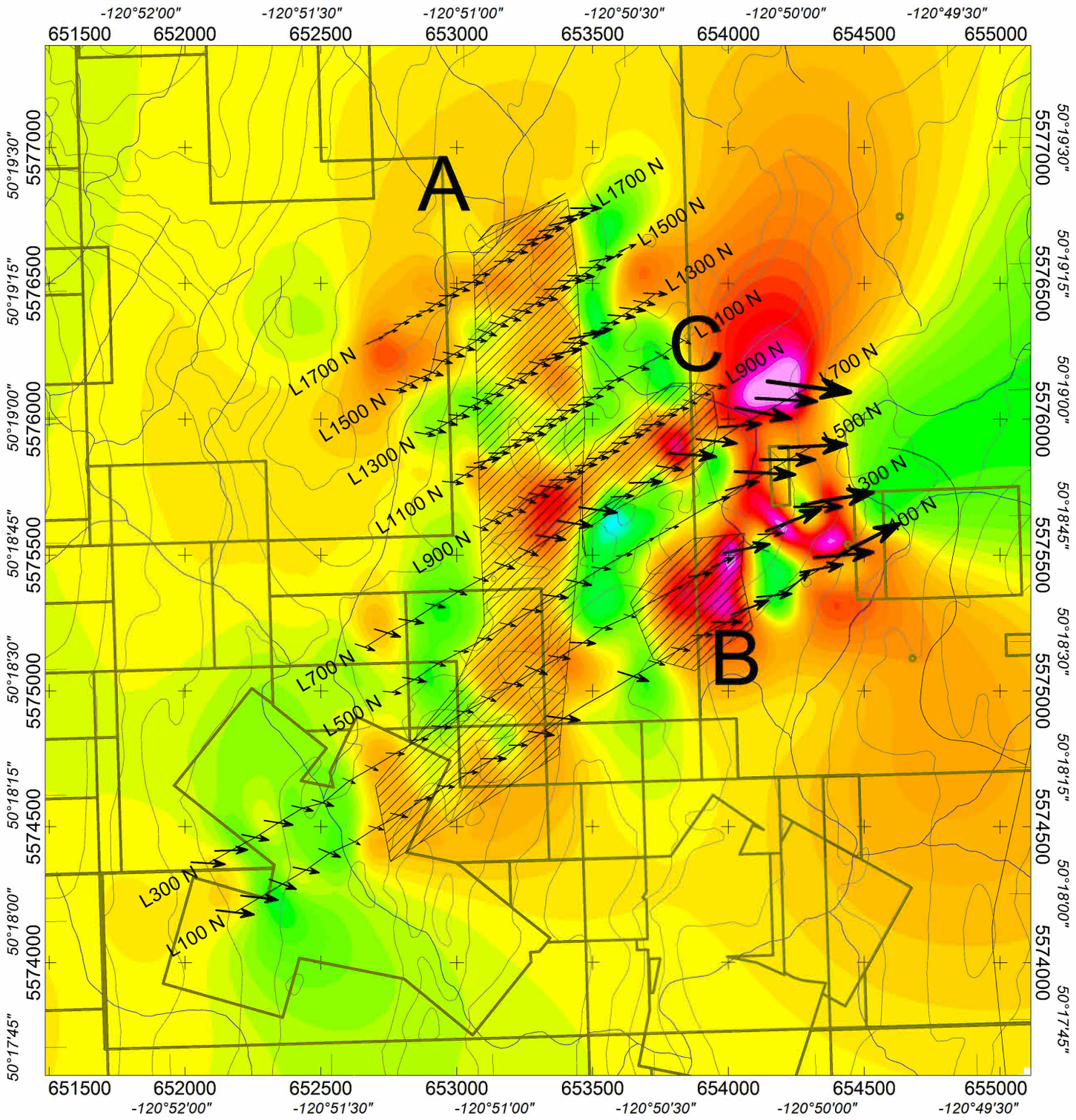
iN_0022	SNI_0022	rE_0045	rN_0045	iE_0045	iN_0045	SNI_0045	rE_0090	rN_0090	iE_0090	iN_0090	SNI_0090	rE_0180	rN_0180	iE_0180	iN_0180	SNI_0180	rE_0360	rN_0360	iE_0360	iN_0360
0.016	67.1	0.202	-0.035	0.015	0.02	125	0.227	-0.049	-0.087	0.025	133.6	0.292	-0.049	-0.154	0.044	84.9	0.188	0.035	-0.025	-0.027
0.005	62.3	0.216	0.027	-0.038	0.021	100.9	0.224	0.008	-0.123	0.02	123.7	0.209	-0.002	-0.109	0.029	80.4	0.207	0.076	-0.006	-0.009
0.016	63.4	0.157	-0.018	0.026	0.02	122	0.174	-0.022	-0.037	0.01	136.1	0.042	0.056	-0.117	0.008	85.5	0.185	0.08	-0.029	-0.082
0.042	71.1	0.135	0.002	0.022	0.017	123.3	0.154	0.017	-0.079	0.019	115.5	0.166	0.022	-0.182	0.035	83.4	0.109	0.056	-0.055	-0.052
0.058	93.2	0.104	0.051	-0.038	0.018	161.9	0.108	0.064	-0.15	0.019	132.6	0.154	0.049	-0.25	0.063	76.6	0.006	0.173	-0.085	-0.052
0.054	72.8	0.067	0.029	-0.034	0.024	128.8	0.081	0.085	-0.171	0.03	141.8	0.088	0.087	-0.324	0.079	112.6	-0.052	0.161	-0.128	-0.068
0.038	63.5	0.069	0.034	-0.04	0.032	120.3	0.118	0.024	-0.166	0.045	135.6	0.142	0.038	-0.281	0.086	129.1	0.021	0.147	-0.129	-0.09
0.063	53.7	0.375	-0.001	-0.292	0.006	88.1	0.255	0.044	-0.314	0.025	141.8	0.171	0.022	-0.247	0.011	146.9	0.082	0.114	-0.116	-0.099
0.023	60.6	0.148	0.043	-0.095	0.041	91.5	0.198	0.055	-0.215	0.059	135.6	0.252	-0.004	-0.266	0.091	160.3	0.147	0.117	-0.062	-0.129
0.044	61.6	0.174	0.051	-0.056	0.019	94.2	0.303	0.084	-0.197	0.022	126.3	0.374	0.038	-0.295	0.054	152.8	0.163	0.244	-0.061	-0.163
0.039	43.6	0.385	0.057	-0.103	-0.011	76.1	0.538	0.021	-0.206	0.004	167.9	0.492	-0.028	-0.262	0.036	168.3	0.309	0.075	-0.163	-0.145
0.039	44.1	0.445	0.035	-0.132	0.011	83.2	0.548	-0.025	-0.223	0.054	187.6	0.517	-0.111	-0.259	0.06	152.6	0.274	0.145	-0.098	-0.151
0.044	34.6	0.46	-0.001	-0.331	0.048	54.8	0.499	0.004	-0.322	0.051	119.5	0.469	-0.046	-0.316	0.033	197.8	0.204	0.162	-0.09	-0.132
0.04	60.9	0.609	0.042	-0.108	-0.014	169.9	0.622	0.031	-0.145	-0.037	240.6	0.527	-0.094	-0.189	-0.062	183.5	0.413	-0.101	-0.211	-0.045
0.001	52.8	0.765	0.047	-0.192	-0.021	165.1	0.76	-0.101	-0.256	0.026	173.9	0.634	-0.274	-0.275	0.035	150.4	0.48	-0.287	-0.219	-0.037
0.01	57.8	0.307	-0.011	-0.062	0.003	80.9	0.506	-0.072	-0.196	-0.005	140.3	0.533	-0.17	-0.246	-0.009	183.7	0.41	-0.138	-0.168	-0.13
0.033	35.9	0.539	-0.005	-0.104	-0.017	116.1	0.558	-0.033	-0.21	-0.014	204.8	0.486	-0.069	-0.225	-0.075	211.3	0.379	-0.089	-0.208	-0.065
0.008	57.7	0.413	-0.053	-0.163	0.026	79.7	0.507	-0.102	-0.254	0.033	144.3	0.471	-0.126	-0.266	0.003	178	0.33	-0.06	-0.125	-0.14
0.009	84	0.186	0.015	-0.018	-0.016	120.1	0.394	0.03	-0.207	0.038	75.1	0.416	-0.107	-0.239	-0.015	141.9	0.25	0.047	-0.119	-0.142
0.022	64.2	0.32	-0.038	-0.223	0.056	85.7	0.372	-0.035	-0.283	0.065	151.8	0.323	-0.028	-0.296	0.046	128.6	0.164	0.108	-0.123	-0.123
0.05	57.5	0.299	0.039	-0.23	0.048	85.2	0.333	0.011	-0.348	0.094	123.2	0.27	-0.006	-0.334	0.103	167.1	0.122	0.15	-0.117	-0.094
0.039	48.5	0.47	-0.029	-0.341	0.087	83	0.438	-0.032	-0.334	0.076	154	0.349	-0.037	-0.319	0.084	185.8	0.12	0.145	-0.132	-0.074
0.035	64.9	0.185	-0.041	-0.138	0.045	104.5	0.239	-0.039	-0.245	0.035	149.9	0.242	-0.046	-0.31	0.06	167.7	0.065	0.098	-0.13	-0.1
0.038	64.6	0.247	0.023	-0.124	0.032	92.3	0.3	0.01	-0.225	0.07	157	0.261	-0.025	-0.232	0.055	186.3	0.152	0.065	-0.18	-0.016
0.016	59	0.187	0.014	-0.015	0.013	100.4	0.213	0.008	-0.134	0.041	122.4	0.25	-0.009	-0.211	0.065	133.4	0.189	0.075	-0.133	-0.007
0.04	71.6	0.392	-0.063	-0.155	0.041	128.2	0.347	-0.046	-0.21	0.074	202	0.266	-0.024	-0.179	0.08	170.4	0.225	0.036	-0.132	0.03
0.032	68.3	0.206	-0.031	0.005	0.022	137.6	0.225	-0.027	-0.083	0.044	172.5	0.29	-0.046	-0.127	0.05	173	0.332	-0.048	-0.076	-0.032
0.035	64.4	0.349	-0.055	-0.096	0.024	115.9	0.333	-0.047	-0.13	0.052	183.4	0.267	-0.014	-0.107	0.034	141.3	0.214	0.096	-0.102	0.001
0.027	69.4	0.28	-0.054	-0.009	0.023	139.6	0.274	-0.035	-0.058	0.018	215.9	0.241	-0.024	-0.09	0.046	184.2	0.256	0.002	-0.102	0.059
0.026	86.8	0.22	-0.075	-0.017	0.018	186	0.184	-0.068	-0.046	0.038	280.1	0.187	-0.062	-0.071	0.058	226.6	0.23	-0.075	-0.068	0.067
0.041	88.6	0.236	-0.046	-0.06	0.042	169.7	0.176	-0.057	-0.145	0.065	179.8	0.119	-0.028	-0.088	0.052	253.2	0.081	-0.001	-0.095	0.059
0.023	78.1	0.16	-0.048	-0.015	0.022	183.9	0.117	-0.054	-0.104	0.054	192.7	0.085	-0.036	-0.094	0.055	241.8	0.03	-0.046	-0.075	0.054
0.047	82.9	0.181	-0.028	-0.005	0.023	168.9	0.141	-0.036	-0.07	0.031	241.6	0.112	-0.024	-0.127	0.059	183.4	0.074	0.01	-0.059	0.04
0.023	75.2	0.185	-0.046	-0.009	0.017	182	0.163	-0.056	-0.067	0.019	230.2	0.126	-0.05	-0.101	0.033	176.7	0.079	-0.029	-0.1	0.03
0.027	79.5	0.219	-0.039	-0.008	0.021	183.3	0.178	-0.044	-0.045	0.016	275	0.162	-0.039	-0.082	0.036	205	0.137	-0.025	-0.066	0.023
0.022	62.8	0.3	-0.088	-0.051	0.035	140.8	0.258	-0.097	-0.076	0.026	179.1	0.199	-0.08	-0.099	0.028	136.7	0.185	-0.063	-0.067	0
0.017	61.4	0.24	-0.042	-0.005	0.025	151	0.225	-0.045	-0.055	0.02	148.9	0.184	-0.039	-0.065	0.019	155.7	0.186	-0.031	-0.057	0.005
0.015	79.1	0.291	-0.07	-0.044	0.03	178.7	0.244	-0.072	-0.063	0.024	319.8	0.185	-0.061	-0.044	0.021	282.6	0.159	-0.04	-0.043	0.021
0.028	81.9	0.221	-0.063	-0.009	0.024	182.2	0.18	-0.061	-0.077	0.021	261.5	0.13	-0.061	-0.063	0.011	190.9	0.093	-0.044	-0.058	-0.003
0.043	61.5	0.178	-0.025	0.024	0.033	137.9	0.17	-0.024	-0.044	0.037	173.5	0.149	-0.004	-0.095	0.053	159.6	0.095	0.02	-0.052	0.03
0.05	77.9	0.179	-0.008	0.042	0.045	162	0.194	0.002	-0.036	0.049	172.2	0.165	0.024	-0.081	0.059	155.3	0.156	0.051	-0.06	0.016
0.035	85.8	0.249	-0.051	-0.022	0.032	175.3	0.22	-0.037	-0.065	0.045	281.8	0.154	-0.008	-0.053	0.047	207.2	0.12	0.026	-0.062	0.024

SNI_0360	rE_0720	rN_0720	iE_0720	iN_0720	SNI_0720	rE_1440	rN_1440	iE_1440	iN_1440	SNI_1440
62.3	0.204	0.085	-0.045	-0.008	32.7	0.226	0.108	-0.074	0.116	39
50.3	0.248	0.056	-0.014	-0.066	31.5	0.26	0.067	-0.076	0.104	43.3
41.5	0.208	0.004	-0.023	-0.077	28.9	0.228	-0.04	-0.048	-0.048	50.8
80.7	0.106	-0.039	-0.056	-0.081	64.2	0.15	0.064	-0.038	-0.087	53.4
48.5	0.023	0.185	-0.097	-0.045	33.4	0.008	0.166	-0.031	-0.096	61.9
67	-0.014	0.007	-0.14	-0.018	57.4	-0.005	-0.085	-0.066	0.019	79
52.5	0.043	0.024	-0.11	-0.147	34.8	0.039	-0.14	-0.03	-0.153	58.5
111.4	0.072	0.055	-0.111	-0.063	116.1	0.04	0.048	-0.043	-0.068	108.4
97.6	0.161	0.144	-0.114	-0.018	57.4	0.15	0.005	-0.056	-0.118	117.1
128.9	0.21	0.215	-0.122	-0.042	80.9	0.194	0.073	-0.064	-0.179	138.1
117.4	0.268	0.074	-0.18	-0.015	87.6	0.228	-0.054	-0.065	-0.268	140.9
138.6	0.266	0.064	-0.165	-0.036	83.6	0.205	-0.013	-0.09	-0.221	150.4
240.1	0.241	0.13	-0.165	-0.038	199	0.209	0.012	-0.045	-0.325	236.5
211.7	0.336	-0.012	-0.201	-0.034	261.3	0.33	-0.253	0.036	-0.482	381.6
183.9	0.387	-0.223	-0.179	-0.056	159.8	0.314	-0.425	-0.14	0.024	416.2
182.1	0.327	-0.06	-0.162	-0.093	164.4	0.298	-0.319	-0.147	0.02	206.1
209.9	0.309	-0.038	-0.174	-0.067	193.7	0.278	-0.242	-0.165	0.055	234.3
178.5	0.279	-0.01	-0.139	-0.045	137.1	0.27	-0.283	-0.108	0.001	154.9
130.9	0.208	0.079	-0.099	-0.07	110.8	0.223	-0.132	-0.088	0.016	109.6
119.9	0.147	0.103	-0.116	-0.037	78	0.152	-0.057	-0.044	-0.125	69.8
129.2	0.108	0.117	-0.105	-0.04	76.4	0.127	-0.02	0.005	-0.183	103.2
132.5	0.039	0.206	-0.1	-0.032	82.7	0.044	0.203	-0.01	-0.078	120.7
105.3	0.081	0.02	-0.123	-0.05	63.6	0.058	-0.043	-0.027	-0.135	100.1
120.4	0.14	0.071	-0.12	-0.008	72.6	0.137	0.07	-0.006	-0.206	55.4
99.1	0.21	0.071	-0.074	-0.078	50.1	0.177	0.07	-0.046	-0.032	66.7
142.9	0.225	0.114	-0.095	-0.028	67.4	0.213	0.123	-0.079	-0.037	71.1
131.9	0.36	-0.105	-0.073	-0.116	60	0.246	0.024	-0.076	-0.046	60.1
102.5	0.227	0.167	-0.076	-0.008	63.6	0.238	0.123	-0.093	-0.016	57.6
130.7	0.269	0.036	-0.057	-0.017	57.5	0.273	0.041	-0.084	-0.009	57.4
136.3	0.235	-0.03	-0.025	0.011	35.9	0.207	0.084	0.02	-0.116	34.1
141.4	0.087	0.083	-0.053	0.056	42.2	0.064	0.28	0.018	-0.069	49.8
128.4	0.036	-0.095	-0.053	0.008	49.5	0.062	0.195	-0.014	0.028	53.5
123.9	0.084	0.085	-0.032	-0.022	46.4	0.057	0.199	-0.016	-0.017	53.4
101.5	0.062	0.062	-0.059	-0.011	48.6	-0.033	0.317	-0.067	0.035	50.7
103.8	0.121	0.028	-0.047	-0.028	54.8	0.109	0.086	-0.079	0.007	39.4
96.6	0.211	-0.063	-0.053	-0.074	44.9	0.222	-0.085	-0.064	-0.127	26.5
100.8	0.191	0.018	-0.04	-0.043	50.3	0.116	0.198	-0.06	-0.051	34.6
193.8	0.185	-0.044	-0.053	-0.009	69.6	0.18	0.079	-0.036	-0.11	31.6
158.4	0.082	-0.049	-0.051	-0.04	111.4	-0.004	0.229	-0.081	0.018	42.7
139.8	0.098	0.087	-0.03	-0.038	48.5	0.023	0.318	-0.105	0.138	44.5
104.1	0.138	0.155	-0.046	-0.029	34.1	0.097	0.325	-0.067	0.054	32.4
105.3	0.091	0.184	-0.063	-0.04	32.7	0.125	0.187	-0.095	0.066	19.9

Line	Point	LAT	LON	Alt	X	Y	GPSt	Pt	Rl	Az	Dur	IndNs	rE_0011	rN_0011	iE_0011	iN_0011	SNI_0011	rE_0022	rN_0022	iE_0022
100	500	50.29977	-120.854	1015.9	652833.9	5574164	182246	0	3.9	301.9	103	5.7	-0.027	-0.192	0.164	0.023	43.3	0.095	-0.092	0.085
100	500	50.29978	-120.854	1015.6	652834.6	5574165	182613	-5.9	0.2	230.4	154	4.8	-0.081	-0.608	0.015	0.076	177.5	-0.012	-0.634	0.087
100	500	50.29977	-120.854	1015.8	652834.1	5574164	182840	2.1	1.7	293.9	123	5.4	-0.066	-0.148	0.189	-0.024	45.1	0.06	-0.108	0.097
100	500	50.29977	-120.854	1015.5	652834	5574163	183118	-0.9	-2.1	208.9	132	5.8	0.008	-0.186	0.2	0.028	53.6	0.113	-0.118	0.097
500	800	50.3067	-120.856	1076.7	652670	5574931	191732	7.3	30.7	164.3	192	5.1	0.097	-0.11	0.183	0.006	66.2	0.157	-0.085	0.064
500	800	50.30673	-120.856	1076.2	652670.7	5574934	192201	-9.2	20.2	128.3	220	4.3	0.086	-0.108	0.169	0.014	68.2	0.165	-0.078	0.062
500	700	50.3064	-120.857	1062.9	652592.3	5574895	194210	-1.6	-16.9	167.2	120	4.5	0.105	-0.149	0.171	0.016	54.2	0.182	-0.097	0.091
500	600	50.30594	-120.858	1087.1	652500.2	5574841	195712	-1.9	20	65.1	205	4.2	0.101	-0.108	0.179	0.009	80.7	0.17	-0.063	0.093
500	500	50.30549	-120.86	1055.2	652414.3	5574788	205406	-12.2	13.5	100.3	175	3.9	0.134	-0.113	0.195	0	50.6	0.204	-0.075	0.098
500	400	50.30505	-120.861	1076.6	652328	5574737	211833	2.1	0.4	94.4	129	4	0.094	-0.127	0.16	0.034	58.8	0.219	-0.053	0.107
500	400	50.30504	-120.861	1078.1	652326.5	5574736	212111	-3	4	167.2	120	3.4	0.132	-0.111	0.176	0.003	50.9	0.215	-0.089	0.114
500	300	50.30463	-120.862	1082.4	652242.5	5574687	213039	2.4	5.3	52.1	121	3.2	0.152	-0.079	0.203	0.028	77.7	0.209	-0.044	0.107
500	200	50.30418	-120.863	1103.1	652157.4	5574636	214344	-12.5	-17.7	211.6	125	3	0.141	-0.162	0.19	0.003	60.4	0.211	-0.103	0.14
500	100	50.30371	-120.865	1128.6	652071.5	5574580	215647	-16.1	-28.9	262.1	226	2.9	0.199	-0.146	0.184	0.01	58.3	0.215	-0.074	0.143
700	100	50.30533	-120.866	1151.3	651968.3	5574757	222025	-8.5	1.2	305.2	136	2.7	0.143	-0.094	0.177	0.029	65.8	0.179	-0.064	0.115
700	100	50.30534	-120.866	1150.5	651969.1	5574759	222334	10.2	-2.5	52.1	139	3.2	0.126	-0.081	0.198	0.023	71.7	0.185	-0.048	0.115
700	200	50.30575	-120.865	1125.7	652052.5	5574807	223308	10.7	8.8	314.2	120	2.9	0.109	-0.102	0.172	0.013	57	0.187	-0.056	0.123
700	300	50.30619	-120.863	1109.8	652140.7	5574859	224055	10.8	11.1	24	120	2.9	0.146	-0.074	0.182	0.047	46.3	0.218	-0.048	0.117
700	400	50.30662	-120.862	1090.6	652223.2	5574909	224849	39.8	7.9	34.6	113	3.6	0.187	-0.109	0.184	0.005	46.2	0.222	-0.058	0.129
700	500	50.30699	-120.861	1062.6	652317.6	5574953	231049	-5.2	-11.3	320.4	130	3.5	0.021	-0.124	0.165	0.028	45	0.186	-0.088	0.113
700	500	50.30701	-120.861	1063.5	652319.6	5574954	231335	-20.8	-10	15.4	141	3.6	0.07	-0.095	0.177	0.067	49.2	0.177	-0.069	0.099
700	600	50.30726	-120.86	1098.4	652413.7	5574985	233054	7.3	8	247.6	120	4.2	0.121	-0.125	0.17	0.022	60.6	0.176	-0.085	0.078
700	700	50.30788	-120.859	1092.9	652485	5575056	234254	19.9	-1.9	335.8	145	4.5	0.098	-0.096	0.188	0.008	55.7	0.16	-0.062	0.103
700	700	50.30815	-120.858	1068.6	652514.3	5575087	235728	-2.4	3.3	40.3	176	5.3	0.135	-0.086	0.167	0.024	72.2	0.17	-0.057	0.094

iN_0022	SNI_0022	rE_0045	rN_0045	iE_0045	iN_0045	SNI_0045	rE_0090	rN_0090	iE_0090	iN_0090	SNI_0090	rE_0180	rN_0180	iE_0180	iN_0180	SNI_0180	rE_0360	rN_0360	iE_0360	iN_0360
0.043	129.8	0.116	-0.07	0.016	0.024	207.6	0.072	-0.065	-0.067	0.01	198.7	0.03	-0.062	-0.099	0.002	78.9	0.056	-0.124	-0.146	0
0.014	248.8	0.033	-0.588	0.108	-0.008	336.4	0.051	-0.59	0.062	-0.12	537.7	0.116	-0.775	0.022	-0.341	514.4	0.097	-0.955	-0.074	-0.305
0.015	128.2	0.093	-0.1	0.014	0.025	219.7	0.046	-0.08	-0.057	0.022	298.4	0.02	-0.073	-0.096	0.033	140.5	0.18	-0.012	-0.154	0.048
0.024	162.7	0.131	-0.081	0.015	0.026	243.1	0.093	-0.078	-0.058	0.013	247.5	0.06	-0.067	-0.095	0.006	101.3	-0.016	0.289	-0.094	-0.082
0.02	211.9	0.174	-0.066	-0.008	0.011	354.5	0.131	-0.07	-0.098	0.001	383.2	0.071	-0.064	-0.142	-0.006	169.8	0.026	-0.035	-0.217	0.033
0.024	205.4	0.179	-0.054	-0.021	0.01	342.3	0.141	-0.056	-0.104	-0.003	432.1	0.056	-0.056	-0.136	-0.006	297.3	0.011	-0.073	-0.142	-0.058
0.028	144.4	0.206	-0.076	0.02	0.019	238.4	0.176	-0.073	-0.049	0.017	307.2	0.106	-0.013	-0.086	0.01	156.9	-0.016	0.301	-0.099	-0.056
0.028	209	0.195	-0.038	0.03	0.016	408.9	0.18	-0.038	-0.038	0.007	586.6	0.136	-0.044	-0.066	0.005	243.6	0.106	0.028	-0.068	-0.092
0.038	152.2	0.22	-0.061	0.05	0.021	313.8	0.218	-0.057	-0.037	0.003	489.9	0.163	-0.077	-0.078	-0.004	226.2	0.083	-0.211	-0.095	-0.031
0.042	150.3	0.23	-0.043	0.062	0.031	239	0.239	-0.019	-0.008	0.032	314.7	0.214	-0.011	-0.069	0.021	193.8	0.155	-0.044	-0.107	-0.049
0.038	131.8	0.23	-0.062	0.059	0.04	219.2	0.25	-0.045	-0.004	0.032	278.8	0.199	-0.045	-0.065	0.027	137.2	0.177	-0.107	-0.11	-0.055
0.056	190.5	0.24	-0.016	0.07	0.037	338.8	0.258	-0.005	0.017	0.031	438.5	0.243	0	-0.027	0.034	277.4	0.243	0.048	-0.047	0.032
0.035	163	0.26	-0.08	0.094	0.028	297.8	0.291	-0.067	0.052	0.022	452	0.296	-0.061	0.011	0.026	323.9	0.244	-0.074	-0.062	0.01
0.046	196.5	0.253	-0.047	0.101	0.048	358.1	0.304	-0.023	0.07	0.046	517.9	0.323	-0.007	0.034	0.045	273.2	0.303	-0.037	-0.017	-0.017
0.047	172.8	0.189	-0.037	0.084	0.05	345.9	0.233	-0.008	0.063	0.038	436.8	0.253	0.007	0.023	0.037	236.4	0.242	0.105	-0.028	0.052
0.051	177.1	0.214	-0.01	0.074	0.041	341.7	0.249	0.012	0.056	0.036	426.6	0.265	0.023	0.028	0.043	192.5	0.198	-0.247	0.016	0.398
0.051	145.3	0.211	-0.03	0.087	0.053	283.3	0.247	-0.016	0.043	0.041	511.5	0.263	0.002	0.001	0.043	241.5	0.253	0.049	-0.04	0.057
0.047	122.3	0.243	-0.021	0.074	0.049	235.4	0.26	-0.001	0.038	0.038	371.9	0.262	0.008	0.005	0.041	210.1	0.246	-0.07	-0.055	-0.039
0.048	127.8	0.257	-0.032	0.088	0.043	266.2	0.284	-0.011	0.053	0.037	385.9	0.287	-0.013	0.014	0.039	191.1	0.325	0.117	-0.04	0.034
0.024	135.1	0.23	-0.07	0.038	0.013	279.7	0.214	-0.069	-0.009	-0.008	410.3	0.188	-0.095	-0.055	-0.022	199.5	0.09	-0.381	-0.089	-0.05
0.031	157.6	0.209	-0.052	0.057	0.015	329.3	0.219	-0.053	-0.011	-0.013	470.5	0.169	-0.114	-0.051	-0.009	199.9	-0.024	-0.538	-0.084	0.06
0.036	170	0.2	-0.069	0.037	0.033	363.8	0.186	-0.058	-0.034	0.023	441.6	0.147	-0.052	-0.069	0.039	244.9	0.103	0.02	-0.083	-0.001
0.029	127.5	0.177	-0.047	0.038	0.027	272.8	0.177	-0.037	-0.029	0.025	294.7	0.157	-0.009	-0.071	0.023	163.1	0.185	0.206	-0.038	0.002
0.033	162.4	0.208	-0.045	0.023	0.02	331.4	0.187	-0.037	-0.037	0.009	431.9	0.147	-0.045	-0.059	0.003	187	0.125	0.069	-0.098	-0.033

SNI_0360	rE_0720	rN_0720	iE_0720	iN_0720	SNI_0720	rE_1440	rN_1440	iE_1440	iN_1440	SNI_1440
13.2	0.054	-0.017	-0.117	0.085	14.6	-0.084	0.233	-0.081	0.13	28.3
385.2	0.037	-0.982	-0.09	-0.18	275.7	0.022	-0.995	-0.07	-0.341	85.3
13.6	0.091	0.483	-0.104	0.073	10.4	-0.028	0.473	-0.039	0.184	10.9
14.6	0.077	0.187	-0.074	-0.101	15.8	-0.119	0.481	0.043	-0.189	38.1
30.1	0.05	-0.14	-0.179	-0.035	22.8	-0.046	-0.142	-0.112	-0.171	29
52.8	0.041	-0.186	-0.13	-0.096	34.2	-0.04	-0.138	-0.099	-0.177	40.3
50.6	-0.161	0.279	-0.106	-0.041	34.7	0.05	0.152	0.013	-0.1	29.3
27.4	0.123	0.076	-0.021	-0.056	33.8	0.055	0.162	-0.011	-0.002	43.8
51	0.134	-0.236	-0.025	0.007	25.8	0.129	-0.086	-0.066	-0.07	21.7
30.4	0.233	-0.038	-0.076	0.065	24.2	0.154	0.138	-0.041	-0.089	24.8
15.9	0.125	0.021	-0.077	0.033	18.2	0.166	0.043	-0.027	-0.186	19.2
50.3	0.213	0.111	-0.068	0.008	20.6	0.115	0.296	-0.096	0.093	26.7
78.7	0.243	-0.071	-0.079	-0.063	20.9	0.327	-0.154	-0.052	-0.12	13.5
20	0.212	0.063	-0.029	-0.014	31.4	0.34	-0.05	-0.086	0.081	27.4
26.8	0.042	0.229	-0.082	0.125	12.2	0.112	0.23	-0.084	0.07	19.1
2.6	-0.315	0.325	-0.099	-0.133	10.1	0.104	0.409	-0.032	0.069	22.1
21.8	0.196	0.092	-0.034	-0.034	18.6	0.101	0.249	-0.071	-0.009	18.3
22.7	0.15	-0.037	-0.149	0.034	20	0.227	0.043	-0.097	0.094	26.3
18.8	0.522	0.216	-0.025	-0.021	21.5	0.233	0.453	0.027	0.035	20.3
21.6	-0.28	-0.181	-0.196	0.093	22.9	-0.014	0.106	-0.153	0.226	11.3
24.1	-0.272	-0.137	-0.023	0.048	25.9	0.01	0.02	-0.154	0.244	13.5
37	-0.023	0.01	-0.15	0.108	25.9	0.11	-0.151	-0.13	0.114	19.9
36.8	0.166	0.353	0.015	-0.011	37.3	0.011	0.317	-0.017	0.056	28.5
23.2	0.062	0.033	-0.096	0.022	24	0.055	0.169	-0.003	0.025	38.6



LEGEND

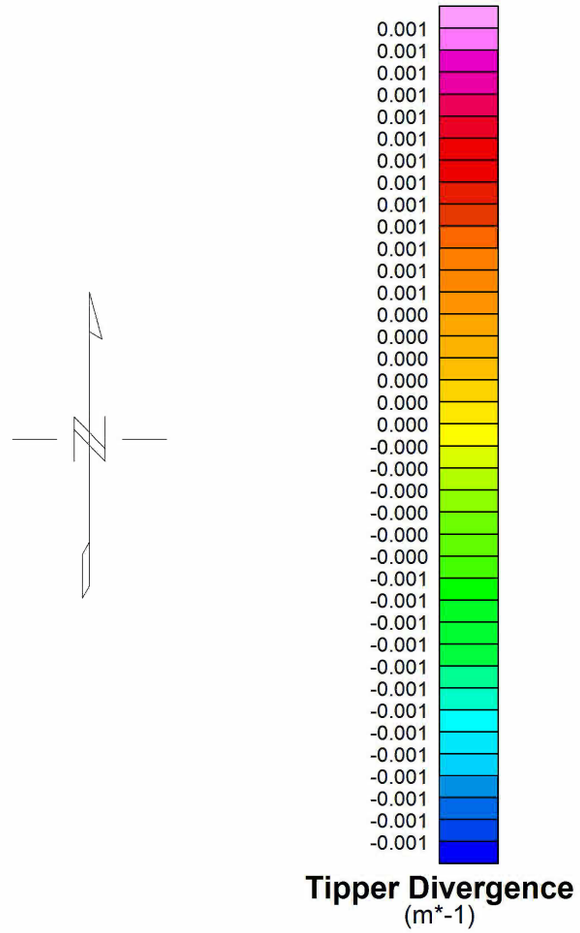
ELF-EM SURVEY

INSTRUMENT : ORANGE GEOPHYSICS ELF-EM SYSTEM

GRIDDING ALGORITHM : MINIMUM CURVATURE

GRID CELL SIZE : 25 m

TIPPER ARROW SCALE: 2 cm = 45 degrees



Tipper Divergence
(m*-1)

Scale 1:20000

250 0 250 500 750 1000

(metres)

NAD83 / UTM zone 10N

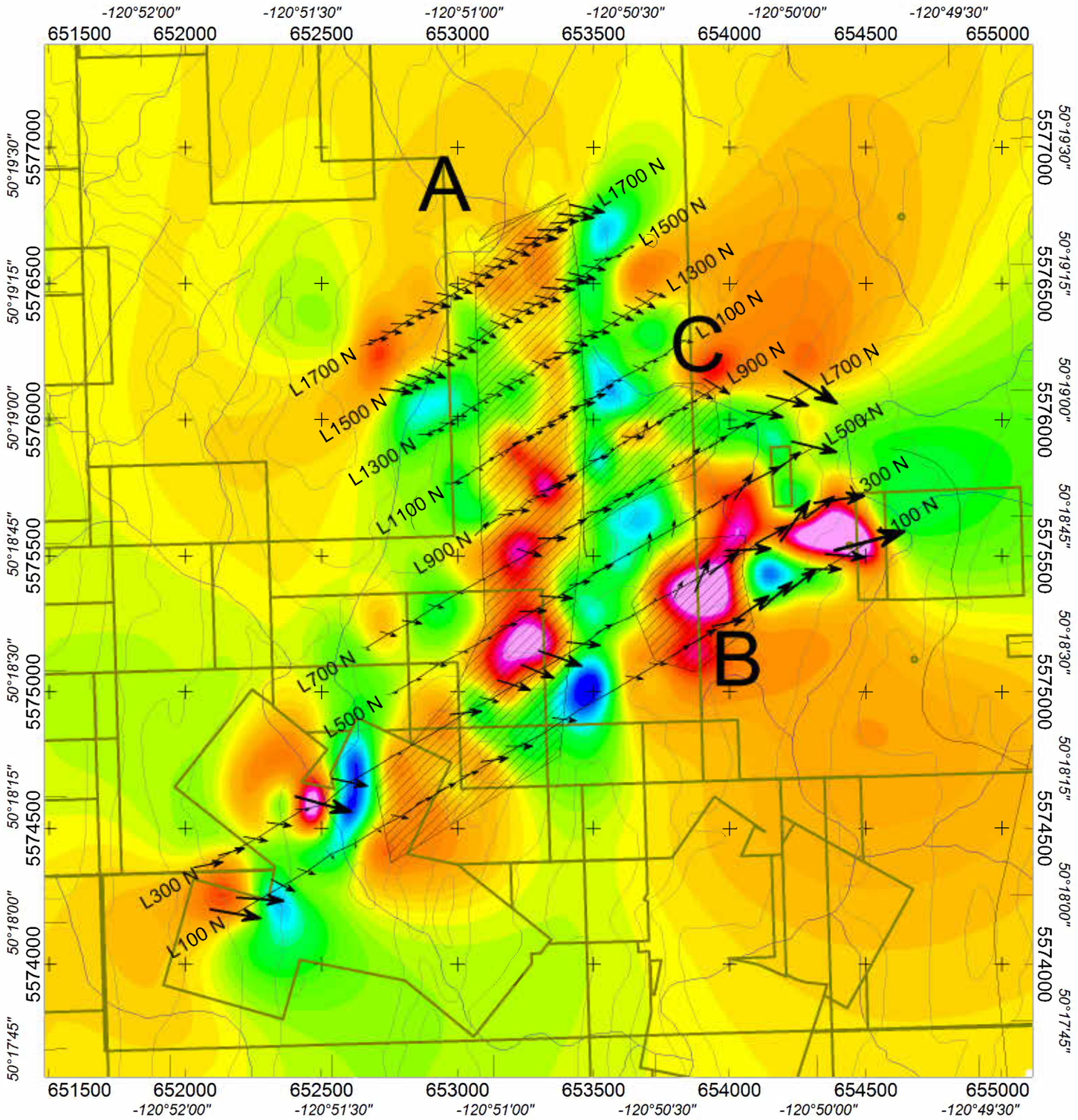
DOT RESOURCES LTD.

2013 ELF-EM SURVEY
DOT PROPERTY
90 Hz IN-PHASE TIPPER AND DIVERGENCE

Date drawn: April 26, 2013
NTS Sheet: 92I/07

Date Surveyed: Feb 2013
Location: BC

AURORA GEOSCIENCES LTD.



LEGEND

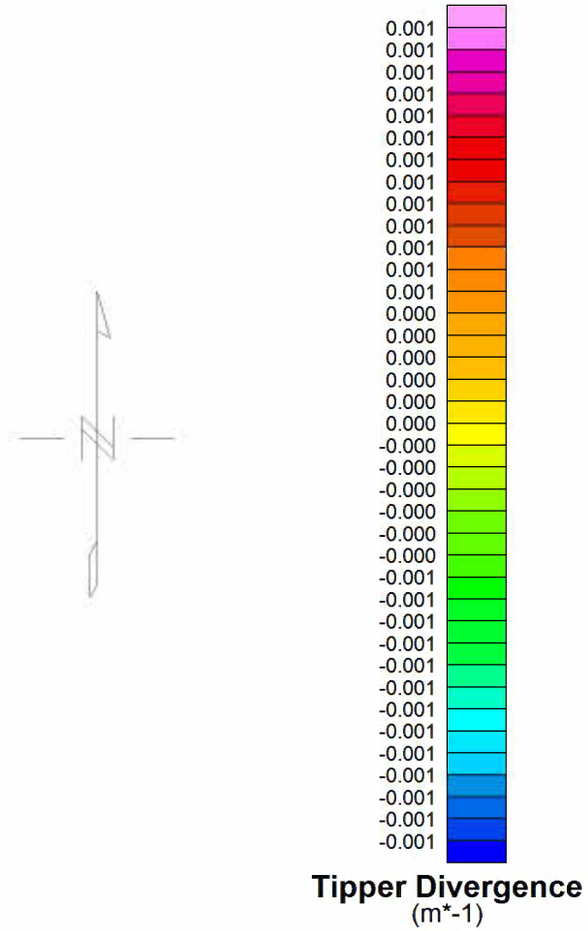
ELF-EM SURVEY

INSTRUMENT : ORANGE GEOPHYSICS ELF-EM SYSTEM

GRIDDING ALGORITHM : MINIMUM CURVATURE

GRID CELL SIZE : 25 m

TIPPER ARROW SCALE: 2 cm = 45 degrees



Tipper Divergence
(m*-1)

Scale 1:20000

250 0 250 500 750 1000

(meters)

NAD83 / UTM zone 10N

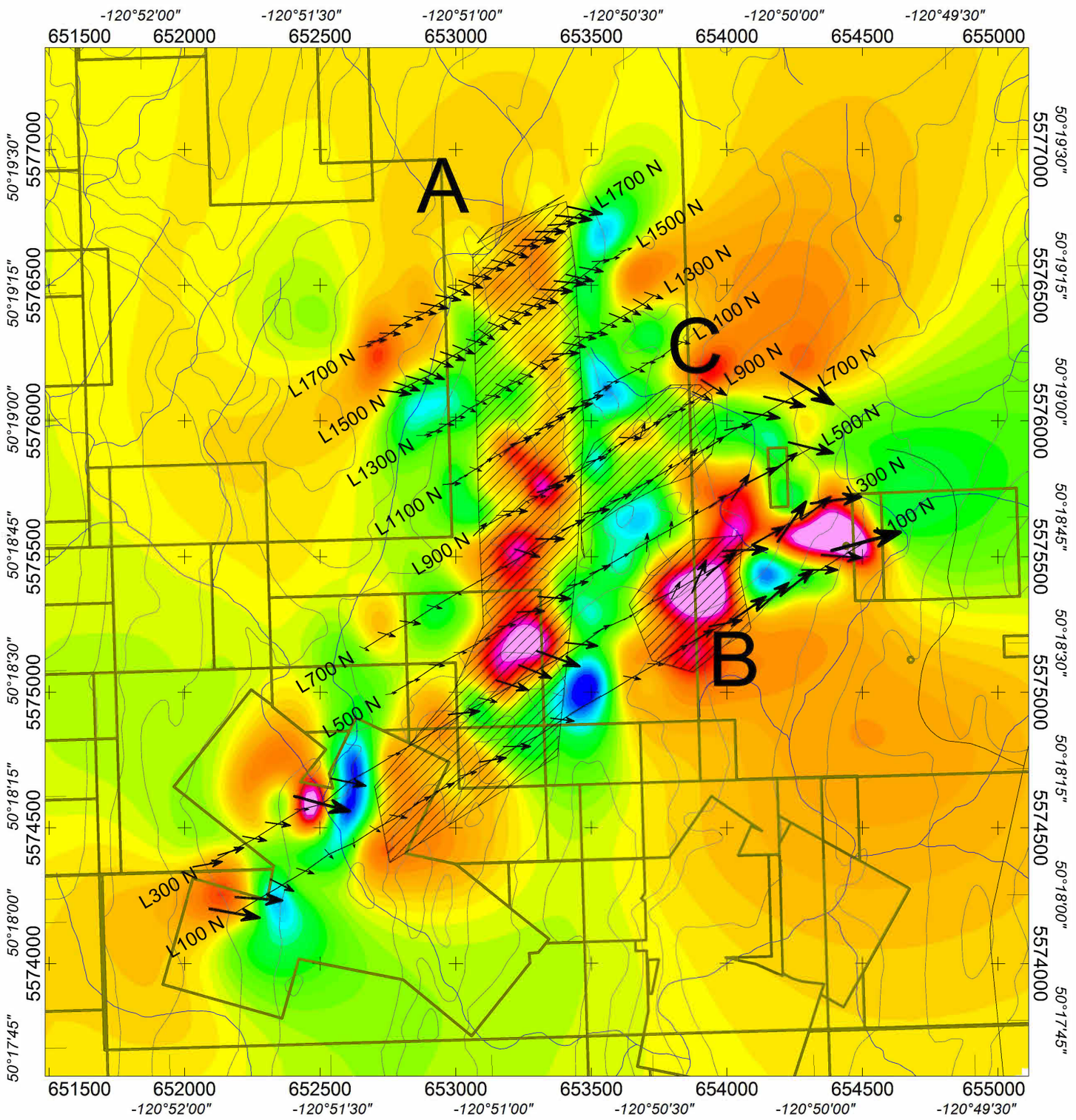
DOT RESOURCES LTD.

2013 ELF-EM SURVEY
DOT PROPERTY
360 Hz IN-PHASE TIPPER AND DIVERGENCE

Date drawn: April 26, 2013
NTS Sheet: 92I/07

Date Surveyed: Feb 2013
Location: BC

AURORA GEOSCIENCES LTD.



LEGEND

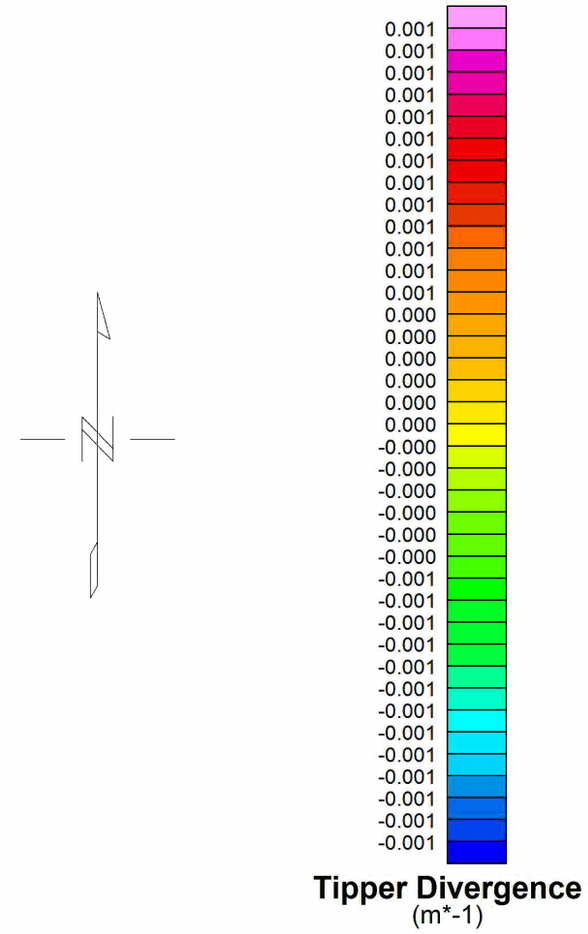
ELF-EM SURVEY

INSTRUMENT : ORANGE GEOPHYSICS ELF-EM SYSTEM

GRIDDING ALGORITHM : MINIMUM CURVATURE

GRID CELL SIZE : 25 m

TIPPER ARROW SCALE: 2 cm = 45 degrees



Tipper Divergence
(m*-1)

Scale 1:20000

250 0 250 500 750 1000

(metres)

NAD83 / UTM zone 10N

DOT RESOURCES LTD.

2013 ELF-EM SURVEY
DOT PROPERTY
360 Hz IN-PHASE TIPPER AND DIVERGENCE

Date drawn: April 26, 2013
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