

COMINGO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 G/6, 11

093717

1996 ASSESSMENT REPORT

TIN AND CHUB PROPERTIES

LINECUTTING, GEOLOGICAL MAPPING/PROSPECTING, GEOCHEMISTRY,
AIRBORNE AND GROUND GEOPHYSICAL SURVEYS

WATSON LAKE M.D., YUKON

PELLY MOUNTAINS AREA

WORK PERIOD

JUNE 10 TO JULY 26, 1996



LATITUDE: 61°30'

LONGITUDE: 131°16'

APRIL, 1997

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This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 57,275.56.

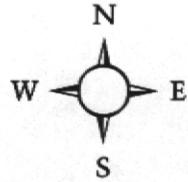
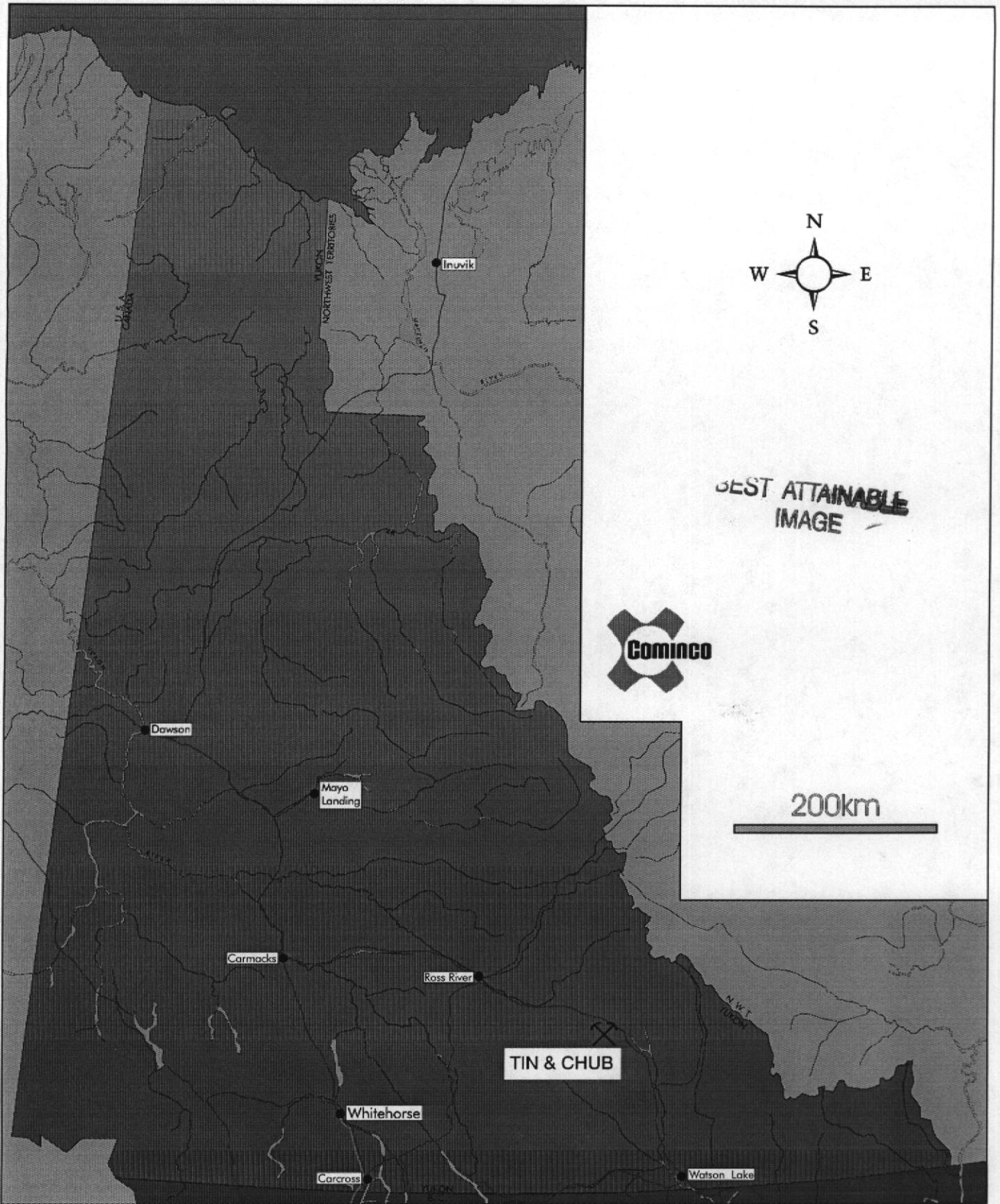
M. Burch
for Regional Manager, Exploration and
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BEST ATTAINABLE
IMAGE



200km

TIN & CHUB

Drawn by:		Traced by: a. m. a.	
Revised by:	Date:	Revised by:	Date:
TJB	2 MAY, 1997		

105 G/6, 11

Scale: AS SHOWN

Date: APRIL, 1997

Plate:

1996 ASSESSMENT REPORT TIN AND CHUB PROPERTIES, YUKON TERRITORY

1.0 SUMMARY

The TIN and CHUB properties are located northeast of the Hoole River, approximately 75 kms southeast of Ross River, 35 kms southwest of Finlayson Lake, and 35 km west of Cominco's ABM VHMS Deposit.

The property was staked to cover previously known showings and airborne geophysical targets identified during a Cominco survey conducted in early 1994.

The rocks underlying this part of southeastern Yukon have been assigned to 2 terranes: the Yukon-Tanana Terrane and the Slide Mountain Terrane. The Yukon-Tanana Terrane consists primarily of a layered sequence of metamorphosed rocks comprising a "lower unit" of pre-Devonian quartzite, pelitic schist and minor marble, a late Devonian to mid-Mississippian "middle unit" comprising carbonaceous phyllite and schist with interbanded mafic and, locally significant, felsic metavolcanics, and an "upper unit" of Pennsylvanian marbles and quartzite. Volcanism within the "middle unit" was accompanied by the intrusion of 2-3, late Devonian to Mississippian, mafic to felsic metaplutonic suites. Felsic volcanics of the middle unit are host to both Cominco's ABM and Westmin/Atna's Wolverine Zone VHMS deposits.

The TIN property is partially underlain by favourable YTT, "middle unit" felsic and mafic metavolcanics, including dense, aphyric felsic flows which appear to be of similar character as corresponding units in the ABM deposit area. Intrusive feldspar porphyry, host to vein and disseminated sphalerite±galena-pyrite mineralization at the El showings, and ultramafic plutons also occur on the eastern and central parts of the property.

Detailed geological mapping, prospecting, soil geochemistry and geophysical ground surveys (HLEM/MAG) were completed over one grid on the TIN property in 1996. In addition to this detailed work, reconnaissance mapping/prospecting and soil and stream silt geochemistry was conducted throughout the property. Work on the CHUB property was limited to one day of regional mapping.

It is recommended that additional prospecting be carried out to try and determine the nature of the corresponding geochemical anomaly and EM anomaly located in the SE portion of the main TIN grid. No further work is recommended on the CHUB property.

2.0 LOCATION AND ACCESS

The TIN property is located northeast of the Tintina Fault and Hoole River, approximately 75 kms southeast of Ross River, 35 kms southwest of Finlayson Lake, and 35 km west of the ABM deposit (Figure 1). The CHUB property is located less than 1km from the northeast corner of the TIN claims. The gravel, all-weather Robert Campbell Highway provides access to within 30 kms of the properties. An old, overgrown winter road joins the TIN property to the highway at Mink Creek. Direct access is by helicopter.

3.0 PROPERTY AND OWNERSHIP

The TIN and CHUB properties, totalling 365 units, are 100% owned by Cominco Ltd. (Figure 2).

<u>NAME</u>	<u>UNITS</u>	<u>CLAIM NO.</u>	<u>DUE DATES</u>
TIN 1-96	96	YB49431-526	May 15/98
TIN 97-196	100	YB77185-284	May 15/98
TIN 197-347	151	YB84729-879	July 3/97
CHUB 1-18	18	YB49829-846	May 15/97

4.0 PREVIOUS WORK

The TIN property area was initially staked (Minfile #16; E1) by Newmont in 1955 and then restaked by Northlake Mines Ltd. in 1966 following an airborne geophysical survey. Northlakes conducted prospecting, trenching and grid soil sampling in 1966 and drilled 4 holes (324 m) in 1967. The claims eventually lapsed and the ground was restaked by Empire Metals Corp. (Sovereign Metals Corp.) in 1974. The property was optioned to Texasgulf in 1975 and then to St. Joseph Exploration in 1976. Both companies undertook mapping and soil geochemical surveys. The claims again lapsed. In 1988, Welcome North restaked an aeromagnetic anomaly and completed a mapping, prospecting and soil geochemical survey in that same year. The claims subsequently lapsed and apparently remained open until 1994.

The E1 showing comprises veins of Zn-Pb-Ag mineralization within a feldspar augened schist (felsic crystal tuff or intrusive?). Previous work outlined a 120 x 850 metres weak Zn±Pb anomaly centered on the showings exposed in trenches. A grab sample from the trenches returned 26.8% Pb, 0.5% Zn and 20.6 g/t Ag. The best drill result was 0.6% Pb, 0.6% Zn and 6.9 g/t Ag over 11.3 metres in Hole-1, including 2.5% Zn, 0.8% Pb and 10.3 g/t Ag over 1.2 metres.

Other showings on the property are reported to include asbestos fibre float and showings and a strong As with weak scattered Au values coincident with zones of quartz-carbonate alteration in mafic metavolcanics.

Cominco work on the property began in the summer of 1994, conducting geological mapping, prospecting and geochemical sampling. Soil results returned significant Ba (3500 to 10493 ppm) values over a 1,500 metre strike length. Scattered Zn (425, 430 ppm) anomalies often with supporting Cd values (up to 23 ppm) and elevated Pb values (30 to 36 ppm) were also present.

Cominco work in 1995 consisted of additional mapping, prospecting and geochemical sampling. Results from the soil geochemistry returned one sample highly anomalous in Pb (6746 ppm), Zn (642 ppm), Ag (6.4 ppm), and As (1427 ppm), with elevated Au (84 ppm). This sample was taken approximately 400 metres west of the E1 Minfile showing. Other results were limited to minor elevated Pb (up to 513 ppm), Zn (up to 416 ppm), and Ba (up to 3212 ppm), all occurring in the vicinity of the showing.

5.0 REGIONAL GEOLOGY

The rocks underlying this part of southeastern Yukon have been assigned to 2 terranes: the Yukon-Tanana Terrane (YTT) and the Slide Mountain Terrane (SMT) (Mortensen, 1983a; Mortensen and Jilson, 1985).

The YTT consists primarily of a layered sequence of metamorphosed rocks comprising a "lower unit" (3I) of pre-Devonian quartzite, pelitic schist and minor marble, a late Devonian to mid-Mississippian "middle unit" (3F) comprising carbonaceous phyllite and schist with interbanded mafic and, locally significant, felsic metavolcanics (3G), and an "upper unit" of Pennsylvanian marbles and quartzite. Volcanism within the "middle unit" was accompanied by the intrusion of 2-3, late Devonian to Mississippian, mafic to felsic metaplutonic suites (Simpson Range suite and augen and monzonitic orthogneisses). This sequence appears to reflect stable platformal or shelf sedimentation with an intervening period of mafic to felsic arc volcanism developed within a more reduced basinal setting. Felsic volcaniclastics of the "middle unit" are host to Cominco's ABM VHMS Deposit.

The late Devonian to Triassic SMT comprises a heterogeneous package of mafic to ultramafic plutonic rocks, mafic volcanics, massive carbonate and chert. This sequence was structurally emplaced as thrust bounded klippen on YTT rocks or as thrust slices imbricated within YTT rocks during a period of crustal shortening (D2). The SMT is thought to represent a disrupted oceanic crust and volcanic arc assemblage thought to be located between the YTT and ancestral North America(?).

A subhorizontal to moderately north to northeast dipping, penetrative ductile deformation fabric (S2) and associated middle greenschist facies (chlorite-biotite grade) metamorphism affects all YTT rocks. This fabric reflects the first, and most significant, deformational and metamorphic event (D1) perhaps related to a continent-arc collision during late Permian to early Triassic time.

Late Triassic immature clastics comprising micaceous argillite, siltstone and sandstone unconformably(?) overlie the deformed and metamorphosed YTT rocks. These sediments are often closely associated with SMT volcanics and are invariably in fault contact with YTT rocks.

The SMT, Late Triassic sediments and Late Triassic to Middle Jurassic plutons are all affected by a period of Middle Jurassic to Late Cretaceous thrust faulting (D2), during which the Finlayson Lake Fault Zone was formed. This complex fault zone contains both thrust and steep, transcurrent(?) faults and separates the YTT from autochthonous North America (Mortensen, 1983a; Mortensen and Jilson, 1985).

6.0 1996 FIELD WORK

6.1 LINECUTTING

During the period of June 10-20, 1996, one large geophysical grid was cut on the southern part of the TIN property. An additional grid was cut further to the north on July 13 and 14, 1996. Linecutting was carried out by Kaska-Nomadic of Ross River, Yukon.

6.2 GEOLOGY, PROSPECTING AND GEOCHEMISTRY

Detailed mapping, prospecting and geochemical surveys was completed on the main TIN grid in 1996. Further regional scale mapping, prospecting and soil geochemistry was also completed by recce traverses on the TIN property. Work on the CHUB property was limited to one day of regional mapping. The following table summarizes 1996 fieldwork.

PROPERTY	GEOLOGY	PROSPECTING	GEOCHEMISTRY
TIN ; MAIN GRID	Jul 13, 14; PO, LAT, DB	Jun 10-17; ABM, RBM, GLGS	Jun 19, 20; 170 soils
TIN ; REGIONAL	Jun 10, 11, Jul 11-26; PO, DB, LAT, DG, TJB, VLB, ZAS	Jun 16, 17, 20, 21; ABM, RBM, GLGS	Jul 11-20; 412 soils, 17 silts
CHUB	Jul 6; NPO	N/A	N/A

6.3 GEOPHYSICAL SURVEYS

The 1996 geophysical program for the TIN property involved 20.2 kilometres of ground surveys (HLEM/MAG) on the Main TIN grid. This grid was chosen for the purpose of evaluating conductors observed from airborne geophysical information.

GEOPHYSICAL GRID	SURVEY TYPE	# KM'S SURVEYED	DATES WORKED
TIN	HLEM/MAG	20.2	Jun 14-16

6.3.1 HORIZONTAL LOOP EM SURVEY

The HLEM system used was a Max-Min I-10 in combination with an MMC data recorder, both manufactured by Apex Parametrics Ltd. The survey employed a 100 metre coil separation and a 25 metre station interval. Three frequencies: 440, 1760, and 3520 Hz, were read.

For data collection, the receiver (Rx) and transmitters (Tx) were simultaneously tilted in a coplanar orientation paralleling the topographic slope (horizontal loop mode). The Rx-Tx separation of 100 metres was kept constant by using the interconnecting reference cable as a chain.

The HLEM results are presented in stacked profile form on 1:5000 plan maps, one map for each frequency. Data points are plotted half way between the Tx-Rx location. In-Phase (IP) data points are indicated by dots joined by a solid line; Out-of-Phase (OP) data is indicated by a dashed line. The conductor width, conductivity-thickness, and depth to top are indicated on the plots which provide the best definition of the

conductors. These results are discussed below using the lowest frequency (usually 440 Hz) that adequately defines the conductor. An interpretation legend which describes these features is appended to this report.

A conductor will show a negative IP and/or OP trough of width (with respect to background values) equal to that of the conductor width plus the length of the coil separation. The IP and OP widths due to a conductive source are shown, respectively, above and below the zero line. The shallower a conductor is from the surface, the higher will be the amplitude of the IP and OP responses. Better conductors will respond on progressively lower frequencies whereas poor conductors are seen only on the higher frequencies. A higher IP/OP response amplitude ratio is also indicative of better conductance.

Accuracy of readings is dependent on maintaining a constant spacing between transmitter and receiver. A 1% error in separation will result in a 3% in-phase error in reading. Generally, accuracy should be within 2% except in rugged terrain where it is more difficult to maintain a constant receiver-transmitter spacing. Under these conditions readings should be within 5%.

6.3.2 MAGNETIC SURVEY

The instrumentation for the magnetic survey consisted of a pair of OMNI PLUS magnetometers, one set up as a recording base station (taking readings every 15 sec.) and the other taking measurements at each point of the survey grid. Readings were taken every 12.5 metres, which was decreased to every 5 metres in locations where the magnetic response changed rapidly. At the end of a survey day the two units were connected to a computer and the day's data was transferred to the computer memory. Corrections for diurnal magnetic field variations were applied to each survey station value before plots were made. Reading accuracy's of ± 5 nT were attained for the magnetics survey.

The total field magnetic data is presented in stacked profile form at a scale of 1:5000. HLEM conductor axes are traced on the magnetic profile map.

7.0 TIN PROPERTY

7.1 GEOLOGY

Regional mapping suggests the property is underlain primarily by the "middle unit" comprising mafic metavolcanics and associated sediments (3F) and lesser felsic metavolcanics (3G) (Mortensen, 1983a). The east end of the property is underlain by a series of EW-trending, red brown weathering, variably magnetic, strongly quartz (silica)-Fe-carbonate (listwanite?) altered gabbroic(?) intrusives up to 300 metres thick/wide, cutting a monotonous sequence of fissile grey phyllites. No felsic metavolcanics were encountered in this area.

Generally, the lowest (structurally/stratigraphically?) unit is a black, variably carbonaceous argillite exposed low on the slope and in a small tributary creek. Overlying the argillites is a relatively thin interval (50-100 m) of laminated to thinly banded, siliceous, light silvery green, quartz-sericite-chlorite schist, which grades upwards into a thick interval (300-400 m) of sheared, feldspar augened, locally Fe-carbonate altered, sericite-chlorite-quartz schist with interbanded argillaceous sediments. The interbedded/interbanded nature of the interval (as seen in old drill core) suggest the augened unit may be a series of felsic crystal-rich tuffs as opposed to a porphyritic felsic intrusive. At the TIN, this unit is host to disseminated and vein sphalerite+galena-pyrite mineralisation at the EI showing. This augened unit appears to thin and then thicken, to the northeast, off the property.

Above the EI showing and overlying(?) the feldspar augened schists, is a thick (200-300 m), very distinctive white, massive, dense, fine-grained aphyric felsic flow(?) similar to rhyolite flows/sills in the hosting felsic sequence of the ABM Deposit. This unit appears to thin rapidly to the northeast, grading laterally into massive to well bedded/banded(?), grey sericite-quartz-feldspar and white to grey sericite-quartz schists (felsic tuffs?) exposed in the small tributary creek. In this area and to the northeast, the felsics interfinger and grade laterally into variably Fe-carbonate altered, locally magnetic, bedded/banded(?) mafic chlorite-calcite phyllitic schists. Outcrops off the property, to the northeast, suggest equivalent rocks to comprise locally epidote altered mafic to intermediate flows and agglomerate(?).

Above the dense felsic flow unit is an interval of interbedded/banded biotitic schists (metasediments), siliceous banded/bedded(?) quartz-feldspar-sericite schist (felsic volcanoclastics) and grey to black siltstone, argillite and minor sedimentary breccias/conglomerate.

The northwest extent of the TIN is separated from the remainder of the TIN claims by a WSW-ENE trending fault which displays approximately 2 km of sinistral movement. This movement juxtaposes porphyritic intrusive rocks with an attendant felsic volcanic assemblage against mafic and ultramafic rocks of the SMT rocks to the south of the fault. Units trend SE-E-SW with generally moderate (15-45 degree) dips. Thinly bedded, rusty, hematized and siderite-bearing coarse-grained felsic tuffs are overlain by interbedded marbles (biogenic carbonates) and qtz-sericite schists described as arkosic sediments. These rocks are overlain by felsic tuffs and intermediate volcanics all crosscut by two green chlorite-sericite-schists. These schists, thought to be volcanic flows, or mafic dykes are seen to crosscut the sediments, felsic volcanics and carbonate packages in a northwesterly trend. The aforementioned package of clastic and carbonate sedimentary rocks and tuffaceous sediments underlie a porphyry/crystal tuff? (welded?) containing rare to abundant blue-qtz crystals ("eyes"). This unit is moderately deformed and sericitized, with interstitial biotite altered to chlorite, and feldspar commonly altered to ankerite. Overlying this unit is an oxidised, Fe-stained porphyritic, sericitic (intrusive?) rock termed felsic porphyry. The aforementioned porphyry has also been observed to contain pyrite cubes, singularity and in thin, discreet lenses as well as veined sphalerite-galena-pyrite mineralisation (the EI showing).

The porphyritic unit has been suggested to possibly represent a continuation of the tuffaceous units underlying it. This porphyritic unit is overlain by weakly foliated, massive rhyolites with rare attendant pyrite mineralisation. A NE-trending fault truncates the dykes. East of the NE-trending fault is a chlorite-muscovite, amygdaloidal-porphyritic undeformed (Tertiary?) dacite containing glass fragments crosscut by a single offset extension of the mafic dyke. This dacite has been interpreted to have been thrust over a strongly deformed pyrrhotite-bearing felsic volcanic crystal tuff and deformed marble.

The southeast extension of the TIN block of claims which comprises the lower two-thirds of the claim area consists of a repetition of the stratigraphy observed N of the fault. The western extension of the mapped area, most of which extends west of the western border of the TIN claims is composed of SMT thrust over rocks of the YTT. The SMT assemblage consists of mafic volcanic rocks overlain by serpentized ultramafic rocks capped by a gabbroic-dioritic igneous rock.

The main TIN grid was cut to facilitate HLEM surveys over some conductive, magnetic trends delineated from the previous airborne EM/MAG survey. Detailed mapping and prospecting as well as soil sampling was undertaken on this grid during the 1996 field season. Detailed geologic mapping defined a dome and basin type fold interference pattern formed by the intersection of NW-trending F2 and NE-trending F3 deformation.

The folds are defined by siliceous mudstones and greywackes of a thin sedimentary unit which exhibits deformation far more readily than the competent felsic volcanic tuffs and flows it is interbedded with as evidenced by crenulation cleavage found in the more competent porphyry. The fine-grained greywackes can locally contain up to 2% euhedral pyrite crystals. The centre of this dome and basin structure is composed of a biotite-chlorite-carbonate-epidote schist with disseminated accessory sulphides. Some pillow selvages have been identified, indicating that these are mafic volcanic rocks.

7.2 MINERALISATION

The Zn-Pb-Ag mineralisation at the EI showing is described in section 4.0. Additional mineralisation consists of occasional disseminated and thinly banded (veined) sphalerite and galena observed in the porphyry/tuff approximately 4km N of the EI on the corresponding side of the synform. Mineralisation reported in SMT rocks include disseminated pyrrhotite and pyrite in mafic volcanics as well as asbestos fibres in meta-ultramafic (serpentized dunite-peridotite) packages.

7.3 GEOCHEMISTRY

Soil sampling on the TIN property in 1996 was completed on the main TIN grid, as well as along several of the claim lines. Silt samples were also collected where the soil lines crossed streams. A total of 582 soil samples and 17 silt samples were collected at 100m intervals along the lines (Figure 4). Rock geochemistry was obtained for 10 samples from the TIN property. The soil, silt and rock samples were

analysed for elemental composition by inductively-coupled plasma spectrometry with the exception of Au which was analysed by atomic absorption spectrometry following decomposition in Aqua Regia; and Ba which was analysed by X-Ray Fluorescence on pressed powder pellets.

Results from sampling on the TIN grid returned several anomalous values for Pb (up to 183 ppm), Zn (up to 1368 ppm), and Ag (up to 3.6ppm) scattered throughout the southern part of the grid, all downslope of the EI showing. Several samples also showed a strong Ni-Cr signature, with values up to 350 ppm Ni and 236 ppm Cr.

Sampling along the claim lines identified spotty anomalous values for Pb (up to 87 ppm), Zn (up to 526 ppm), and Ag (up to 6.5 ppm) scattered throughout the property. The western ends of the northernmost soil lines are dominated by samples anomalous in Ni (up to 962 ppm) and Cr (up to 804 ppm), likely attributable to the fact that the NW TIN claim is composed of SMT ultramafic units, the precursor of which was dunite-peridotite, rock types which are often associated with cumulate layers of chromite, thus possessing high Ni and Cr abundances.

Results from rock geochemical analysis indicate some anomalous values for Pb. One sample collected by prospector Brent McAllister (RBM067c) 4 km north of the EI showing returned values of 33.29% Pb which equates to galena comprising approximately 50% of the sample. This sample also yields anomalously high values for Ag (271 ppm) and Zn (51021 ppm). With elevated Cd levels in this sample as well as elevated Sb. The sample in question was collected from a crenulated qtz-feldspar porphyry/tuff(?), with the mineralisation occurring in veins both parallel to and crosscutting the foliation. Barium levels in this sample are not appreciably high (330 ppm).

Other rock geochemical samples from the TIN property exhibit anomalous values for Ba (up to 12500ppm) in the interbedded felsic tuffs and sedimentary units from the centre of the basin and dome structure just north of the main TIN grid. Other rock geochem samples taken very near to the site of RBM 067c exhibit Pb (up to 49400 ppm), Ag (up to 42.1 ppm), and Zn (up to 20450 ppm); but show no appreciable elevation in Cu (high of 98 ppm). This is consistent with the fact that no significant chalcopyrite occurrences have been observed on the TIN property.

7.4 GEOPHYSICS

7.4.1 GROUND SURVEYS

The airborne EM/MAG survey on the Tin claims was flown in late March, early April 1996 by Aerodat Inc. (see Assessment Report On A Combined Helicopter-Borne Electromagnetic and Magnetic Survey, Pelly Mountain, Yukon Territory for Cominco Ltd. by Aerodat Inc.) This survey revealed a number of distinct features. The west edge of the Tin block displays high magnetics (>700nT above background) flanked to the east by a magnetic trough with considerable associated conductivity. These responses are thought to be related to ultramafic rocks with flanking conductive shales. To the north and east a linear magnetic trend over 2 km long containing a number of discrete magnetic features is evident. Some of these magnetic features are associated with moderate to strong conductivity. The Tin grid was laid out to cover these conductive, magnetic airborne targets.

During the period June 14 to 16, 1996 a total of 20.2 kms of HLEM/MAG survey was completed on this grid. Three parallel, weakly conductive trends were detected along the southeast edge of the grid. These features correspond well with the airborne EM. The conductors (A,B,C) are less than 25 m wide and appear to be shallowly dipping to the northwest. No direct magnetic association is evident however conductor C closely flanks a weakly magnetic zone along the south ends of the lines. A number of other conductors less than 400 metres long are evident (D,E,F,G). Of these D and G show some magnetic correlation. G appears to be a one line conductor directly on top of a 150nT magnetic spike. D is at least 200 metres long and corresponds with a 400 nT magnetic feature which is roughly 200m long by 100 m wide.

A very strong magnetic feature, close to 3000 nT in amplitude and at least 300 metres wide is evident on the north end of line 400E. This is thought to be due to an ultramafic intrusive which has been identified in outcrop to the southwest of the grid. No conductivity is apparent in this magnetically active area.

Numerous other magnetic features are evident. They are generally less than 100 m wide and from 200-1000 nT in amplitude however no clear trends exist across the grid.

Located between conductors A and C is a more discrete conductor B evident in the SE portion of the grid over the EI showing which is of interest due to anomalous geochemical results in the vicinity. This should be a target for future work. Conductors D and G are also of interest due to their magnetic association.

8.0 CHUB PROPERTY

8.1 GEOLOGY AND MINERALIZATION

The CHUB property is located just off the northeast corner of the TIN claims, and is underlain by similar stratigraphy. The property is generally poorly exposed, with outcrops restricted to hilltops. The stratigraphy generally trends to the east with moderate dips of 28-38° to the south (Figure 3).

The property is underlain by a sequence of massive, well foliated quartz-chlorite-biotite-feldspar phyllitic schists and phyllites (siltstones or wackes), with minor dark grey, variably carbonaceous phyllitic argillite and chloritic mafic tuffs. This metasedimentary/metavolcanic sequence is intruded by several magnetic and non-magnetic mafic intrusive sills/dykes, causing the adjacent rock to become Fe-carbonate altered and pyritic. No other mineralization has been observed.

8.2 GEOCHEMISTRY

1994 soil geochemistry revealed a series of weak to strong Cu (51-259 ppm) anomalies with a strong Cr-Fe±Ni-Ag metal signature in the area of a magnetic mafic intrusive.

9.0 CONCLUSIONS and RECOMMENDATIONS

The TIN property is partially underlain by favourable YTT, "middle unit" felsic and mafic metavolcanics, including dense, aphyric felsic flows which appear to be of similar character as corresponding units in the ABM deposit area. Intrusive feldspar porphyry, host to vein and disseminated sphalerite±galena-pyrite mineralization at the EI showings occurs on the eastern and central portion of the property. Ultramafic and mafic assemblages associated with the SMT comprise the western and southwestern parts of the property.

Detailed geological mapping, prospecting, soil geochemistry and geophysical ground surveys (HLEM/MAG) were completed over one grid on the TIN property in 1996. In addition to this detailed work, reconnaissance mapping/prospepecting and soil and stream silt geochemistry was conducted throughout the property. Work on the CHUB property was limited to one day of regional mapping.

Recommendations for future work on the TIN property include prospecting the area associated both with anomalous geochemical results and an EM conductor (B) to ascertain the nature of both the geochemical and geophysical anomalies. It appears that the stratigraphy which hosts the EI showing is repeated north of the grid and is in fact folded in a synformal structure. This stratigraphic interval is of interest due to anomalous geochemical signatures and could be further investigated. Due to poor outcrop exposure in the area, drilling core data may be required to further delineate the geology and the nature of the mineralisation of this porphyritic/tuffaceous horizon.

No further work is recommended on the CHUB property.

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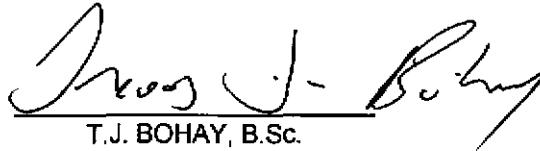
APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, TREVOR J. BOHAY, of 251 Bond Street North, in the city of Hamilton, in the province of Ontario hereby declare that I:

1. Graduated from the University of Saskatchewan in May 1994 with a B.Sc. in Geology.
2. Have been actively engaged in mineral exploration in Western Canada as a contract geologist with Cominco Ltd. from May 1996 to September 1996, and since April 1997.

Date: APRIL 1997

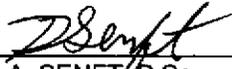

T.J. BOHAY, B.Sc.
GEOLOGIST

STATEMENT OF QUALIFICATIONS

I, Darren A. Senft, of #4-2415 W. 4th Ave., Vancouver, B.C. hereby declare that I:

1. Graduated from The University of British Columbia, Vancouver, B.C. with a B.Sc. in Geology in May, 1994.
2. Have been actively engaged in mineral exploration in Western Canada as a geological assistant with Cominco Ltd. during the summers of 1992-94 and as a contract geologist with Cominco Ltd. since May, 1995.

Date: January, 1997


D.A. SENFT/B.Sc.
GEOLOGIST

APPENDIX II
GEOCHEMISTRY DATA

sample no.	Au ppb	wt Au g	Ba (XRF) ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm
RBM0067B	<10	5	991	31	49400	20450	42	<2	34	714	5	2	0.68	<2	96	<5
RBM0067A	<10	5	1247	26	28150	10047	24.6	6	68	344	4	3	0.6	3	70	8
RBM0067C	44	5	330	21	332900	51021	271	2	19	2197	8	1	0.98	<2	75	9
RBM0067D	<10	5	3502	14	789	1280	2.3	<2	407	10	11	20	2.64	5	83	11
DB206A	<10	5	310	98	<4	67	0.5	4	168	<1	22	97	3.48	2	167	7
DB207A			520	27	10	24	<4	<2	333	<1	13	85	1.9	<2	139	7
DB208A			200	10	7	74	0.4	14	108	<1	30	127	3.83	2	294	<5
DB213A			12500	19	4	25	<4	10	1572	<1	7	7	0.86	<2	58	<5

Analytical methods:

Au-aquaregia-AAS

wt Au-weight of sample for gold analyses

Ba-XRF-pressed pellet

sample no.	Sb ppm	V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %	
RBM0067B	26	<2	7	<2	18	10	19	13	0.01	<.01	0.25	0.31	0.01	0.2	
RBM0067A	23	<2	<2		3	22	12	25	19	0.02	<.01	0.26	0.43	0.01	0.21
RBM0067C	355	<2		2	7	17	2	7	11	<.01	<.01	0.09	0.06	<.01	0.06
RBM0067D	<5	<2	4	<2	18	14	36	1008	0.04	<.01	0.34	0.2	0.01	0.29	
DB206A	18	70	<2	<2	200	9	18	901	3.42	0.14	2.18	7.71	0.01	1.28	
DB207A	7	37	5	<2	433	11	10	1718	1.24	0.05	6.80E+00	8.88	<.01	0.23	
DB208A	22	65	<2	<2	165	12	24	1957	2.79	0.02	1.87	4.84	0.01	<.01	
DB213A	<5	<2	<2	<2	30	<2	<2	3085	0.05	<.01	0.17	0.01	<.01	0.06	

Analytical methods:

Au-aquaregia-AAS

wt Au-weight of sample for gold analyses

Ba-XRF-pressed pellet

TIN SILT GEOCHEMISTRY

LAB NUMBER	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm	Sb ppm	V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %	Au	Au Wt.	Ba (xrf)
S9612409	322203	42	11	96	0.2	29	269	1	15	161	2.16	4	77	2	2	26	8	1	36	12	12	695	0.89	0.01	0.88	0.67	0.04	0.06	-1	-1	-1
S9616411	321814	29	13	102	0.2	6	235	1	9	35	2.32	6	26	23	2	28	1	1	28	15	19	672	0.43	0.01	0.76	0.43	0.01	0.1	5	10	1685
S9616422	321825	9	34	121	0.2	3	230	1	5	14	2.13	9	14	17	2	16	3	1	16	13	50	966	0.2	0.01	0.63	0.26	0.01	0.13	5	10	1843
S9619540	321665	25	13	87	0.2	76	253	1	13	118	2.65	7	76	2	12	18	11	1	52	11	8	1510	0.67	0.01	0.89	0.98	0.01	0.06	-1	-1	-1
S9619544	321669	28	6	65	0.4	43	168	1	23	438	2.44	11	273	2	17	40	13	1	22	11	9	617	2.49	0.01	1.35	0.52	0.01	0.06	-1	-1	-1
S9619572	321859	29	17	97	0.2	34	115	1	15	39	3.41	10	19	2	9	22	1	1	50	13	19	823	0.38	0.01	0.64	0.83	0.01	0.04	-1	-1	-1
S9619590	321877	28	17	122	0.4	9	129	1	15	47	2.92	8	37	2	6	28	1	1	39	13	19	296	0.5	0.01	0.96	0.61	0.01	0.08	-1	-1	-1
S9619601	321888	35	16	148	0.4	11	326	1	9	36	2.2	8	22	9	6	29	9	1	53	12	11	321	0.56	0.01	0.93	0.97	0.01	0.07	-1	-1	-1
S9619635	321928	20	9	101	0.2	54	297	1	24	286	2.31	11	334	2	23	29	10	1	27	10	13	1014	2.41	0.01	1.02	0.52	0.01	0.09	-1	-1	-1
S9619794	334642	31	22	92	0.2	16	98	1	14	36	3.39	5	22	9	2	21	1	1	50	16	21	616	0.37	0.01	0.7	0.76	0.01	0.05	-1	-1	-1
S9619846	334698	18	9	81	0.2	44	188	1	18	221	2.12	5	291	2	17	21	1	1	20	7	8	807	2.16	0.01	0.7	0.39	0.01	0.04	-1	-1	-1
S9619962	322229	22	19	87	0.2	33	226	1	14	198	2.36	1	206	2	2	24	5	2	12	4	8	808	1.43	0.02	0.76	0.15	0.01	0.08	-1	-1	-1
S9620144	327404	21	20	89	0.2	58	230	1	24	288	1.99	1	258	2	9	31	5	2	18	4	18	318	2.33	0.01	0.91	0.29	0.01	0.07	5	10	1150
S9620154	327417	19	21	82	0.2	55	201	1	20	267	1.81	1	260	2	2	29	5	3	16	2	15	336	2.61	0.01	0.86	0.25	0.01	0.06	-1	-1	-1
S9620160	327423	17	19	73	0.2	45	151	1	22	342	2.22	1	309	2	2	31	5	4	21	2	15	373	3.14	0.01	0.92	0.39	0.01	0.07	-1	-1	-1
S9620174	327437	44	24	86	0.2	77	408	2	23	468	1.94	2	255	2	5	26	5	4	71	1	10	2595	1.65	0.01	0.86	1.56	0.01	0.07	-1	-1	-1
S9620180	327443	36	30	126	0.5	60	552	1	22	395	2.94	1	282	2	2	45	5	4	51	4	10	1643	2.18	0.02	1.3	0.81	0.01	0.07	-1	-1	-1

TIN SOIL GEOCHEMISTRY

LAB NUMBER	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm	Sb ppm	V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %	Au	Au Wt.	Ba (xrf)
S9612282	321201	21	9	75	0.2	70	104	1	13	54	2.47	4	49	14	2	25	2	1	31	14	18	378	0.81	0.01	1.1	0.49	0.01	0.07	-1	-1	-1
S9612283	321202	15	8	24	0.4	12	140	1	4	14	1.32	5	13	5	2	14	1	1	64	29	44	278	0.16	0.01	1.05	0.85	0.05	0.07	-1	-1	-1
S9612284	321203	10	19	40	0.2	16	105	1	6	12	1.8	2	13	6	2	17	1	1	14	5	12	325	0.19	0.01	1.01	0.14	0.03	0.1	-1	-1	-1
S9612285	321204	8	9	21	0.2	3	115	1	2	8	0.71	3	6	14	2	8	1	1	14	5	12	325	0.19	0.01	1.01	0.14	0.03	0.1	-1	-1	-1
S9612286	321205	1	2	6	0.2	1	23	1	1	1	0.16	1	2	7	2	3	1	1	41	6	18	83	0.13	0.01	0.52	0.63	0.03	0.03	-1	-1	-1
S9612287	321206	23	26	223	0.2	24	313	2	7	72	1.95	3	40	8	2	13	1	1	54	21	28	373	0.65	0.01	1.01	0.9	0.01	0.14	-1	-1	-1
S9612288	321207	20	8	60	0.2	13	356	1	4	60	1.06	1	17	12	2	9	1	1	78	13	17	287	0.33	0.01	0.75	1.4	0.05	0.06	-1	-1	-1
S9612289	321208	40	33	427	0.2	10	500	3	5	153	1.9	4	68	5	2	12	1	1	94	53	76	245	0.62	0.01	1.05	1.92	0.02	0.12	-1	-1	-1
S9612290	321209	43	23	59	0.7	39	599	1	7	148	1.92	4	42	2	2	12	1	1	64	31	43	769	0.39	0.01	0.94	1.59	0.04	0.06	-1	-1	-1
S9612291	321210	11	2	26	0.2	2	129	1	3	21	0.49	1	17	11	2	5	1	1	64	31	43	769	0.39	0.01	0.94	1.59	0.04	0.06	-1	-1	-1
S9612292	321211	27	2	50	0.2	32	214	1	16	179	2	1	121	7	2	26	1	1	22	1	3	66	0.15	0.01	0.33	0.47	0.05	0.04	-1	-1	-1
S9612293	321212	19	8	42	0.2	1	275	1	17	156	2	1	114	7	2	24	1	1	9	5	12	257	1.44	0.02	1.07	0.16	0.01	0.06	-1	-1	-1
S9612294	321213	20	6	43	0.2	17	309	1	25	350	2.26	3	236	11	2	35	3	1	13	6	16	386	1.27	0.01	0.99	0.22	0.01	0.05	-1	-1	-1
S9612295	321214	16	10	42	0.2	27	398	1	8	73	1.62	3	61	2	2	15	1	1	9	4	17	310	3.83	0.02	1.08	0.14	0.01	0.08	-1	-1	-1
S9612296	321215	34	7	72	0.2	24	525	1	10	119	1.43	1	79	2	2	14	2	1	21	9	26	216	0.68	0.01	0.76	0.36	0.01	0.1	-1	-1	-1
S9612297	321216	5	4	17	0.2	11	142	1	2	19	0.74	3	5	8	2	7	1	1	54	8	13	362	0.67	0.01	0.78	0.82	0.02	0.09	-1	-1	-1
S9612298	321217	6	11	45	0.2	3	91	1	4	11	1.28	1	15	5	2	14	1	1	18	11	15	173	0.11	0.01	0.42	0.28	0.05	0.05	-1	-1	-1
S9612299	321218	1	2	9	0.2	1	35	1	1	1	0.26	1	2	9	2	4	1	1	11	5	14	122	0.26	0.01	0.85	0.12	0.01	0.06	-1	-1	-1
S9612300	321219	5	12	51	0.2	11	53	1	6	11	2.37	3	14	15	2	26	1	1	9	1	2	131	0.02	0.01	0.17	0.09	0.04	0.03	-1	-1	-1
S9612301	321220	5	6	30	0.2	2	37	1	3	10	1.69	1	13	10	2	17	1	1	5	5	10	261	0.31	0.01	1.04	0.07	0.01	0.08	-1	-1	-1
S9612302	321221	7	11	37	0.2	3	37	1	7	13	2.18	3	17	8	2	18	2	1	4	3	9	140	0.24	0.01	0.81	0.05	0.01	0.07	-1	-1	-1
S9612303	321222	17	8	75	0.2	71	122	1	16	59	2.91	1	69	8	2	28	1	1	25	14	24	305	0.41	0.01	0.99	0.25	0.01	0.07	-1	-1	-1
S9612400	322194	24	14	48	0.2	24	182	1	7	34	1.28	2	25	2	2	12	4	1	9	5	7	327	0.26	0.01	0.5	0.17	0.01	0.05	-1	-1	-1
S9612401	322195	8	11	30	0.2	13	150	1	2	12	0.9	1	22	2	2	12	1	1	4	2	9	82	0.18	0.01	0.61	0.04	0.01	0.06	-1	-1	-1

S9612402	322196	20	15	58	0.2	28	361	1	7	22	1.7	1	21	2	2	15	3	1	13	5	6	160	0.25	0.01	0.94	0.15	0.03	0.04	-1	-1	-1
S9612403	322197	21	18	74	0.2	39	121	1	6	26	1.94	3	23	2	2	18	5	1	9	5	13	189	0.28	0.01	0.59	0.12	0.01	0.08	-1	-1	-1
S9612404	322198	11	16	40	0.6	22	202	1	4	14	1.18	2	14	2	2	11	7	1	13	2	5	256	0.17	0.01	0.45	0.22	0.01	0.05	-1	-1	-1
S9612405	322199	12	14	48	0.6	26	187	1	5	23	1.79	4	33	2	2	22	4	1	6	4	11	185	0.34	0.01	0.85	0.07	0.01	0.03	-1	-1	-1
S9612406	322200	13	9	39	0.2	13	260	1	7	21	1.35	1	29	2	2	17	8	1	11	4	11	241	0.35	0.01	0.71	0.15	0.01	0.02	-1	-1	-1
S9612407	322201	24	21	71	0.2	60	136	1	12	31	2.1	1	18	2	2	13	1	1	22	15	14	579	0.31	0.01	0.6	0.37	0.01	0.06	-1	-1	-1
S9612408	322202	97	12	68	0.2	11	252	1	20	111	3.2	1	169	2	2	86	4	1	20	1	3	613	1.86	0.08	1.72	0.48	0.01	0.5	-1	-1	-1
S9612410	322204	52	21	83	0.2	73	221	1	18	77	3.49	6	81	2	9	41	6	1	31	16	15	534	1.16	0.03	1.25	0.73	0.01	0.17	-1	-1	-1
S9612411	322205	20	8	40	0.2	18	193	1	11	45	2.38	2	51	2	2	30	3	1	27	7	11	374	0.47	0.01	0.82	0.66	0.01	0.12	-1	-1	-1
S9612412	322206	25	10	45	0.2	25	170	1	4	17	1.3	2	6	2	2	4	2	1	38	14	8	128	0.15	0.01	0.6	0.87	0.01	0.03	-1	-1	-1
S9612413	322207	20	19	46	0.6	12	631	1	9	37	1.48	8	11	2	2	12	1	1	26	12	18	717	0.06	0.01	0.62	0.38	0.04	0.05	-1	-1	-1
S9612414	322208	16	30	91	0.2	77	333	1	10	21	2.85	1	19	2	6	14	4	1	29	12	13	336	0.21	0.01	0.88	0.51	0.01	0.04	-1	-1	-1
S9612415	322209	6	8	37	0.2	5	108	1	3	7	1.23	2	9	2	2	12	3	1	7	1	7	90	0.16	0.01	0.64	0.12	0.01	0.02	-1	-1	-1
S9612416	322210	6	6	20	0.4	2	94	1	1	3	0.31	1	2	2	2	4	3	1	15	1	1	46	0.03	0.01	0.16	0.2	0.01	0.04	-1	-1	-1
S9612417	322211	14	24	84	0.2	39	390	1	7	23	2.3	5	19	2	6	17	4	1	25	9	11	269	0.19	0.01	0.73	0.38	0.01	0.06	-1	-1	-1
S9612418	322212	47	13	52	0.2	4	246	2	3	28	0.82	6	7	2	2	6	6	1	33	41	45	355	0.09	0.01	0.71	0.53	0.04	0.03	-1	-1	-1
S9612419	322213	13	10	45	0.2	36	88	1	7	45	1.75	1	50	2	2	21	5	1	14	5	7	204	0.51	0.01	0.65	0.23	0.01	0.02	-1	-1	-1
S9612420	322214	9	11	37	0.2	22	153	1	3	16	1.37	4	18	2	2	15	7	1	6	3	10	126	0.24	0.01	0.69	0.07	0.01	0.03	-1	-1	-1
S9612421	322215	17	2	38	0.6	3	167	1	1	5	0.27	1	2	2	2	3	5	1	57	3	2	183	0.04	0.01	0.36	1.05	0.02	0.01	-1	-1	-1
S9612422	322217	9	24	92	0.2	32	172	1	8	12	2.76	3	13	2	2	13	4	1	14	3	12	355	0.12	0.01	0.56	0.18	0.01	0.11	-1	-1	-1
S9612423	322218	41	21	69	0.2	62	329	1	10	31	2.52	5	11	2	2	8	7	1	68	32	22	632	0.14	0.01	0.73	1.19	0.04	0.04	-1	-1	-1
S9612424	322219	42	18	70	0.2	54	255	1	9	27	2.75	4	10	2	2	7	6	1	57	28	16	367	0.22	0.01	0.88	1.03	0.01	0.04	-1	-1	-1
S9612425	322220	17	15	45	0.6	30	365	1	2	10	1.2	4	7	2	7	7	4	1	61	3	7	106	0.18	0.01	0.48	1.05	0.01	0.05	-1	-1	-1
S9612426	322221	16	10	22	0.2	24	258	1	3	9	0.81	5	6	2	2	6	5	1	27	5	5	162	0.1	0.01	0.46	0.38	0.01	0.02	-1	-1	-1
S9612427	322222	23	11	62	0.5	39	263	1	5	19	1.88	4	13	2	7	10	5	1	12	6	9	144	0.19	0.01	0.74	0.15	0.03	0.04	-1	-1	-1
S9612428	322223	29	17	78	0.2	57	219	1	8	29	2.56	5	19	2	2	12	4	1	14	10	16	280	0.33	0.01	0.7	0.23	0.01	0.05	-1	-1	-1
S9612429	322224	28	17	72	0.2	54	248	1	11	35	2.68	1	26	2	2	15	3	1	22	10	13	442	0.37	0.01	0.73	0.39	0.01	0.08	-1	-1	-1
S9612430	322225	26	13	49	0.2	25	564	1	7	19	1.85	1	13	2	2	20	2	1	14	2	3	396	0.18	0.01	0.6	0.12	0.01	0.09	-1	-1	-1
S9612543	321161	15	8	40	0.2	16	96	1	5	53	1.52	1	51	2	2	19	3	2	9	4	8	127	0.59	0.01	0.75	0.16	0.01	0.03	-1	-1	-1
S9612544	321162	47	160	80	0.8	19	505	1	3	55	0.99	4	16	2	2	7	1	1	58	43	18	290	0.16	0.01	1.1	0.97	0.04	0.01	-1	-1	-1
S9612545	321163	12	27	30	0.2	16	508	1	3	25	0.94	1	30	2	2	25	3	1	13	4	9	291	0.13	0.01	0.6	0.19	0.03	0.01	-1	-1	-1
S9612546	321164	4	4	7	0.2	7	103	1	1	1	0.25	1	2	2	2	5	3	1	11	1	3	29	0.02	0.01	0.23	0.11	0.01	0.01	-1	-1	-1
S9612547	321165	7	9	18	0.2	8	222	1	1	5	0.45	1	6	2	2	12	1	1	3	1	6	44	0.02	0.01	0.35	0.01	0.01	0.01	-1	-1	-1
S9612548	321166	4	5	8	0.2	4	54	1	1	1	0.21	1	2	2	2	4	2	1	3	1	2	30	0.01	0.01	0.26	0.01	0.01	0.01	-1	-1	-1
S9612549	321167	5	16	34	0.2	17	139	1	3	12	1.3	1	15	2	2	16	4	1	8	2	6	182	0.16	0.01	0.55	0.08	0.01	0.07	-1	-1	-1
S9612550	321168	4	8	19	0.2	3	113	1	2	2	0.26	2	2	2	2	2	1	1	10	1	1	228	0.02	0.01	0.23	0.12	0.01	0.02	-1	-1	-1
S9612551	321169	15	23	1368	3.6	9	292	69	5	3	1.4	1	2	2	2	5	7	1	63	3	3	1733	0.04	0.01	0.49	0.77	0.04	0.09	19	10	1164
S9612552	321171	21	6	737	0.4	4	356	15	1	19	0.34	1	2	2	2	2	2	1	384	18	8	121	0.12	0.01	0.43	3.84	0.04	0.02	5	8	708
S9612553	321173	4	11	10	0.5	6	73	1	1	1	0.39	1	2	2	9	3	4	1	6	2	6	12	0.01	0.01	0.36	0.04	0.01	0.02	-1	-1	-1
S9612554	321174	29	44	298	0.2	281	327	4	12	40	2.8	6	20	2	2	12	7	1	19	17	23	724	0.34	0.01	0.68	0.32	0.01	0.16	5	10	2388
S9612555	321175	22	13	89	0.2	43	384	1	5	27	1.6	8	15	2	2	11	1	1	90	43	70	328	0.25	0.01	1.24	1.43	0.04	0.06	-1	-1	-1
S9612556	321176	21	14	75	0.2	69	119	1	12	62	2.36	2	45	2	2	21	3	1	36	12	12	412	0.7	0.01	0.85	0.56	0.01	0.07	5	10	987
S9612557	321177	18	34	194	0.2	53	205	1	4	22	2.26	2	23	2	2	18	8	1	42	20	27	150	0.43	0.01	1	0.51	0.01	0.05	5	10	1341
S9612558	321179	36	65	740	0.2	46	255	15	2	23	0.77	9	4	2	2	4	3	1	172	43	114	324	0.15	0.01	0.68	1.86	0.03	0.01	-1	-1	-1
S9612559	321180	17	52	1324	0.4	30	177	30	1	16	0.24	1	2	2	2	1	3	1	153	3	6	101	0.12	0.01	0.4	1.84	0.04	0.01	5	10	885
S9612560	321181	7	23	89	0.4	94	70	1	3	13	2.45	3	16	2	2	20	2	1	6	2	8	134	0.24	0.01	0.83	0.06	0.01	0.05	-1	-1	-1
S9612561	321182	74	34	110	0.6	19	454	1	4	26	1.39	5	10	2	2	7	4	1	310	38	73	355	0.29	0.01	0.91	1.81	0.01	0.05	-1	-1	-1
S9612562	321183	11	5	23	0.2	4	188	1	1	4	0.26	3	2	2	2	2	2	1	58	2	25	24	0.04	0.01	0.25	0.27	0.01	0.03	-1	-1	-1
S9612563	321184	1	2	7	0.2	4	37	1	1	1	0.14	3	2	2	2	3	1	1	3	1	1	23	0.01	0.01	0.08	0.02	0.01	0.01	-1	-1	-1
S9612564	321185	3	7	25	0.2	3	130	1	1	3	0.42	1	2	2	2	9	1	1	5	1	7	120	0.01	0.01	0.25	0.03	0.01	0.03	-1	-1	-1
S9612565	321186	6	9	23	0.2	10	79	1	1	3	0.62	4	2	2	2	12	1	2	2	1	22	73	0.01	0.01	0.46	0.01	0.01	0.04	-1	-1	-1
S9612566</																															

S9612568	321189	3	2	6	0.2	4	23	1	1	1	0.28	1	2	2	2	4	1	1	3	1	1	19	0.01	0.01	0.13	0.01	0.01	0.01	-1	-1	-1
S9612569	321190	26	17	46	0.4	5	224	1	1	15	0.55	1	7	2	6	5	1	1	24	16	10	67	0.07	0.01	0.83	0.3	0.01	0.01	-1	-1	-1
S9612570	321191	9	87	27	0.2	7	120	1	1	5	0.19	1	2	2	5	2	4	1	13	5	6	29	0.02	0.01	0.35	0.17	0.01	0.01	-1	-1	-1
S9612571	321192	10	58	95	0.2	23	462	1	10	27	1.72	5	39	2	2	14	1	1	18	9	23	439	0.38	0.01	0.91	0.26	0.01	0.05	-1	-1	-1
S9612572	321193	2	7	9	0.2	1	45	1	1	4	0.25	2	6	2	2	4	5	1	3	1	3	22	0.06	0.01	0.22	0.03	0.02	0.02	-1	-1	-1
S9612573	321143	19	13	67	0.2	78	122	1	11	84	2.34	2	74	2	2	24	4	3	20	11	18	333	0.95	0.01	0.88	0.34	0.01	0.05	-1	-1	-1
S9612574	321144	22	16	66	0.2	64	266	1	3	19	1.6	4	17	2	2	14	6	1	59	21	38	190	0.25	0.01	1.22	0.55	0.02	0.1	-1	-1	-1
S9612575	321145	23	31	58	0.2	81	255	2	3	17	1.16	11	6	2	2	8	5	1	115	42	85	358	0.13	0.01	0.92	1.08	0.02	0.05	-1	-1	-1
S9612576	321146	17	24	90	0.5	26	117	2	2	19	0.71	4	5	2	2	6	4	1	68	15	27	226	0.1	0.01	0.61	0.74	0.04	0.05	-1	-1	-1
S9612577	321147	17	20	87	0.2	7	172	1	3	9	0.77	1	6	2	2	7	3	1	29	6	14	194	0.05	0.01	0.47	0.24	0.02	0.04	-1	-1	-1
S9612578	321148	3	7	41	0.2	8	141	1	1	3	0.31	1	2	2	5	4	3	1	18	2	3	42	0.02	0.01	0.28	0.15	0.02	0.03	-1	-1	-1
S9612579	321149	1	25	11	0.2	5	93	1	1	2	0.12	1	2	2	12	2	2	1	7	1	2	13	0.01	0.01	0.11	0.05	0.02	0.01	-1	-1	-1
S9612580	321150	5	11	54	0.2	9	355	1	2	12	1.15	1	19	2	2	13	4	1	9	3	21	94	0.19	0.01	0.58	0.06	0.01	0.09	-1	-1	-1
S9612581	321151	11	8	56	0.2	15	481	4	6	9	0.75	4	10	2	2	8	8	1	11	2	11	583	0.06	0.01	0.4	0.08	0.02	0.06	-1	-1	-1
S9612582	321152	13	46	94	0.2	11	507	1	23	17	1.59	1	18	2	2	13	3	1	22	2	5	1024	0.13	0.01	0.88	0.13	0.02	0.1	-1	-1	-1
S9612583	321153	12	18	60	0.2	36	614	1	7	41	2.21	3	64	2	2	25	4	1	18	3	15	215	0.47	0.01	0.74	0.19	0.01	0.13	-1	-1	-1
S9612584	321154	7	19	35	0.2	13	359	1	6	14	1.1	3	14	2	2	15	4	2	15	3	14	1360	0.15	0.01	0.41	0.18	0.01	0.17	-1	-1	-1
S9612585	321155	19	17	38	0.2	12	581	1	5	12	0.97	4	14	2	2	10	1	1	31	4	11	642	0.14	0.01	0.57	0.36	0.02	0.06	-1	-1	-1
S9612586	321156	19	9	29	0.5	7	270	1	2	12	0.5	1	6	2	2	6	4	1	48	5	6	262	0.1	0.01	0.5	0.57	0.02	0.04	-1	-1	-1
S9612587	321157	7	12	34	0.2	7	178	1	2	14	1.13	4	24	2	2	24	3	1	6	2	16	132	0.19	0.01	0.69	0.04	0.01	0.04	-1	-1	-1
S9612588	321158	10	6	28	0.2	11	111	1	1	10	0.55	1	12	2	2	9	5	1	12	4	7	146	0.11	0.01	0.43	0.15	0.02	0.02	-1	-1	-1
S9612589	321159	22	18	31	0.4	11	150	1	77	18	1.46	4	33	2	2	31	1	1	8	2	6	4141	0.15	0.01	0.77	0.1	0.01	0.04	-1	-1	-1
S9616410	321813	4	4	26	0.2	9	59	1	1	5	0.67	6	9	16	2	24	4	1	5	2	25	52	0.04	0.01	0.5	0.04	0.01	0.06	5	10	1173
S9616412	321815	20	14	96	0.2	22	99	1	9	27	3.01	4	29	22	2	48	2	1	15	8	14	651	0.49	0.01	1.35	0.2	0.01	0.07	5	10	1254
S9616413	321816	1	2	3	0.2	1	19	1	1	2	0.15	1	2	24	2	4	1	1	4	1	1	11	0.03	0.01	0.14	0.03	0.02	0.02	5	10	1046
S9616414	321817	10	4	26	0.5	3	172	1	1	7	1	6	11	23	2	16	1	1	22	6	9	229	0.14	0.01	1.12	0.43	0.02	0.02	5	10	1028
S9616415	321818	4	5	16	0.2	3	43	1	1	5	0.59	7	7	10	2	17	5	1	4	1	9	42	0.05	0.01	0.44	0.04	0.04	0.02	5	10	1041
S9616416	321819	6	11	36	0.4	11	65	1	2	9	1.8	8	15	19	2	29	5	1	8	4	21	134	0.16	0.01	0.87	0.12	0.01	0.06	5	10	1086
S9616417	321820	12	15	69	0.4	4	289	1	7	20	1.71	3	25	15	2	25	1	1	26	13	17	364	0.29	0.01	1.36	0.54	0.01	0.08	5	10	1395
S9616418	321821	6	7	33	0.2	10	85	1	2	8	1.4	4	14	17	2	27	1	1	5	4	20	99	0.12	0.01	0.85	0.06	0.01	0.07	5	10	1081
S9616419	321822	5	2	11	0.2	1	35	1	1	2	0.52	5	7	29	2	11	1	1	3	3	9	35	0.06	0.01	0.71	0.04	0.01	0.03	5	10	974
S9616420	321823	10	9	54	0.2	17	86	1	3	14	1.67	1	19	20	2	21	2	1	7	5	15	204	0.22	0.01	0.84	0.11	0.01	0.05	5	10	1191
S9616421	321824	14	9	72	0.2	29	200	1	6	24	2.21	5	27	22	2	26	1	1	17	10	25	357	0.42	0.01	0.96	0.26	0.01	0.08	5	10	1536
S9616423	321826	12	62	22	0.2	1	74	1	1	5	0.62	2	6	24	2	7	4	1	5	3	6	46	0.05	0.01	0.63	0.06	0.05	0.03	5	10	1038
S9616424	321827	11	54	159	0.2	12	112	1	5	17	2.22	12	20	21	2	21	1	1	13	11	44	421	0.27	0.01	0.94	0.16	0.01	0.16	5	10	892
S9616425	321828	12	26	526	0.9	39	123	1	6	21	3.55	7	18	19	2	23	2	1	24	6	37	357	0.2	0.01	0.93	0.06	0.01	0.13	5	10	1378
S9616426	321829	7	7	43	0.2	18	93	1	3	11	1.96	5	20	17	2	31	1	1	7	4	24	239	0.21	0.01	0.93	0.08	0.01	0.06	5	10	1241
S9616427	321830	11	9	94	0.2	10	108	1	4	18	1.98	5	25	2	2	29	1	1	13	9	31	242	0.37	0.02	1.09	0.23	0.01	0.09	5	10	1256
S9616428	321831	16	29	332	0.2	11	131	2	4	14	2.65	9	14	21	2	17	1	1	13	28	55	365	0.21	0.01	0.62	0.16	0.01	0.12	5	10	1439
S9616429	321832	8	20	47	0.2	22	100	1	4	12	2.72	8	16	15	2	16	2	1	8	11	51	784	0.19	0.01	0.8	0.12	0.01	0.12	5	10	1211
S9616430	321833	10	23	45	0.9	13	171	1	5	12	3.02	15	16	11	2	15	1	1	12	18	64	720	0.23	0.01	0.65	0.15	0.01	0.14	5	10	1566
S9616431	321834	11	12	50	0.2	18	213	1	5	18	1.97	11	23	14	2	25	11	1	13	10	28	415	0.32	0.01	0.92	0.22	0.01	0.1	5	10	1487
S9616432	321835	9	6	42	0.2	8	75	1	3	13	1.61	1	23	18	2	26	11	1	6	5	18	153	0.27	0.01	1.17	0.09	0.01	0.05	5	10	1087
S9616433	321836	10	10	51	0.2	19	88	1	4	17	1.97	2	25	17	2	25	2	1	8	6	19	154	0.32	0.01	1.34	0.12	0.01	0.06	5	10	1090
S9616434	321837	8	12	42	0.7	18	73	1	3	11	2.34	5	22	19	2	31	5	2	6	3	17	127	0.22	0.01	0.97	0.07	0.01	0.06	5	10	1094
S9616435	321838	11	9	54	0.2	25	81	1	5	19	2.68	6	30	11	2	30	4	4	6	5	22	186	0.32	0.01	1.29	0.08	0.01	0.07	5	10	1170
S9616436	321839	7	11	44	0.2	25	65	1	3	14	2	4	23	16	2	22	2	1	7	4	24	133	0.26	0.01	1.12	0.1	0.01	0.06	5	10	1260
S9616437	321840	7	10	32	0.4	19	155	1	2	12	1.28	4	20	20	2	21	4	1	10	4	21	107	0.19	0.01	1.28	0.09	0.01	0.06	5	10	1556
S9616438	321841	7	12	72	0.4	15	252	1	7	21	2	5	33	11	2	22	1	1	29	7	15	647	0.28	0.01	1.76	0.45	0.01	0.06	5	10	1448
S9616439	321842	7	7	41	0.2	5	103	1	3	15	1.87	9	23	15	2	26	2	3	6	4	28	167	0.21	0.01	1.28	0.05	0.01	0.06	5	10	1346
S9616440	321843	19	15	72	0.2	36	414	1	8	34	2.74	7	44	13	2	23	1	7	29	13	31	200	0.58								

S9616443	321846	18	12	55	0.2	36	139	1	7	42	2.29	7	45	17	2	21	5	5	7	11	35	291	0.44	0.01	1.26	0.09	0.01	0.08	5	10	2097
S9616444	321847	6	13	43	0.2	20	100	1	3	11	1.96	2	21	20	2	17	2	2	6	5	37	165	0.31	0.01	1.35	0.06	0.01	0.05	5	10	1823
S9616445	321848	6	7	21	0.2	22	71	1	1	7	1.09	6	12	17	2	12	1	6	6	5	37	76	0.15	0.01	1.17	0.06	0.01	0.07	5	10	1476
S9616446	321849	25	12	50	0.2	33	181	1	7	24	2.25	4	30	14	2	31	9	2	11	10	30	341	0.47	0.02	1.35	0.2	0.01	0.06	5	10	1548
S9616447	321850	30	17	93	0.2	135	191	1	8	64	3.04	5	46	22	2	32	8	8	10	7	21	288	0.47	0.01	1.49	0.13	0.01	0.11	5	10	2114
S9619500	335050	21	2	19	0.2	8	139	1	1	6	0.37	1	2	2	2	4	1	1	27	9	10	146	0.04	0.01	0.6	0.44	0.03	0.01	-1	-1	-1
S9619501	335051	33	21	49	0.4	16	337	1	5	14	1.75	3	15	7	2	16	2	1	82	29	29	551	0.13	0.01	0.91	1.28	0.02	0.05	-1	-1	-1
S9619502	335052	1	2	2	0.4	1	14	1	1	1	0.11	1	2	6	2	1	1	1	2	1	1	10	0.01	0.01	0.13	0.02	0.01	0.01	-1	-1	-1
S9619503	335053	17	6	31	0.6	8	170	1	2	7	0.67	5	6	2	2	5	1	1	79	30	26	113	0.09	0.01	0.87	1.47	0.03	0.05	-1	-1	-1
S9619504	335054	31	38	142	0.9	29	320	1	11	31	2.2	9	29	2	2	20	1	1	28	59	66	386	0.23	0.01	1.63	0.51	0.03	0.25	-1	-1	-1
S9619505	335055	5	6	27	0.5	5	89	1	1	4	0.72	1	8	5	5	7	12	1	10	2	3	78	0.04	0.01	0.39	0.17	0.01	0.03	-1	-1	-1
S9619506	335056	19	13	72	1.1	16	334	1	3	13	1.35	6	13	16	2	11	1	1	35	11	10	261	0.14	0.01	0.87	0.53	0.03	0.06	-1	-1	-1
S9619507	335057	9	2	30	0.9	7	122	1	1	5	0.41	1	5	2	2	5	1	1	26	7	7	49	0.07	0.01	0.44	0.57	0.03	0.01	-1	-1	-1
S9619508	335058	28	11	103	0.9	20	319	1	3	22	1.96	10	24	9	6	13	1	1	16	43	31	358	0.17	0.01	1.4	0.23	0.03	0.04	-1	-1	-1
S9619509	335059	22	13	64	0.2	46	231	1	8	26	2.21	3	26	2	2	21	9	1	14	20	20	372	0.42	0.01	0.93	0.23	0.01	0.07	-1	-1	-1
S9619510	335060	4	8	15	0.2	15	41	1	1	2	0.52	3	2	6	5	7	1	1	3	1	3	120	0.01	0.01	0.35	0.02	0.01	0.03	-1	-1	-1
S9619511	335061	11	11	60	0.9	21	303	1	3	10	1.03	3	12	2	6	11	1	1	26	5	6	160	0.16	0.01	0.89	0.45	0.03	0.07	-1	-1	-1
S9619512	335062	16	14	65	0.7	18	116	1	3	11	1.83	6	16	2	2	20	4	1	6	4	8	166	0.18	0.01	1.12	0.05	0.02	0.04	-1	-1	-1
S9619513	335063	2	2	5	0.4	5	53	1	1	1	0.23	1	2	2	6	2	1	1	7	1	2	26	0.02	0.01	0.18	0.06	0.03	0.01	-1	-1	-1
S9619514	335064	12	15	57	0.2	27	61	1	5	16	3.14	6	29	5	9	36	10	1	4	3	14	304	0.32	0.01	1.31	0.03	0.01	0.05	-1	-1	-1
S9619515	335065	15	13	62	0.2	24	126	1	6	17	2.35	4	20	2	2	24	1	3	11	7	14	422	0.27	0.01	0.98	0.09	0.01	0.09	-1	-1	-1
S9619516	335066	8	13	29	0.4	22	84	1	2	7	1.49	5	17	2	2	24	10	1	5	2	15	114	0.12	0.01	1.03	0.03	0.02	0.03	-1	-1	-1
S9619517	335067	18	12	63	0.2	24	175	1	8	24	2.26	1	28	5	2	24	3	1	14	12	25	364	0.43	0.01	1	0.21	0.01	0.07	-1	-1	-1
S9619518	335068	7	6	37	0.2	14	282	1	3	7	1.31	5	13	2	17	12	3	1	21	6	7	569	0.14	0.01	0.77	0.21	0.01	0.03	-1	-1	-1
S9619519	335069	16	12	43	0.2	6	721	1	4	11	1.37	1	12	9	6	14	1	1	38	9	11	322	0.14	0.01	0.83	0.36	0.03	0.03	-1	-1	-1
S9619520	335070	24	21	69	0.2	38	111	1	9	29	3.33	11	33	2	7	28	9	3	8	6	11	383	0.44	0.01	1.62	0.1	0.01	0.05	-1	-1	-1
S9619521	335071	19	13	63	0.2	36	194	1	11	32	2.57	11	46	2	2	31	17	1	14	9	14	525	0.52	0.01	1.16	0.22	0.01	0.03	-1	-1	-1
S9619522	335072	22	7	61	0.4	19	272	1	4	14	1.24	4	12	2	2	8	7	1	56	16	11	359	0.19	0.01	0.99	0.85	0.02	0.02	-1	-1	-1
S9619523	335073	15	19	51	0.2	44	237	1	16	15	2.73	8	24	2	2	23	6	1	8	8	11	1759	0.24	0.01	1.37	0.08	0.02	0.01	-1	-1	-1
S9619524	335074	12	12	45	0.2	35	204	1	4	15	1.69	8	18	2	2	24	16	3	13	4	11	156	0.24	0.01	0.83	0.13	0.03	0.04	-1	-1	-1
S9619525	335075	14	6	46	0.2	15	270	1	4	12	0.83	7	8	2	2	7	11	1	55	8	7	181	0.12	0.01	0.69	0.8	0.03	0.01	-1	-1	-1
S9619526	335076	19	11	64	0.2	10	149	1	6	17	1.62	8	16	2	15	18	1	1	17	5	9	287	0.25	0.01	0.8	0.24	0.02	0.03	-1	-1	-1
S9619527	335077	13	8	39	0.2	22	111	1	4	12	1.23	9	12	2	5	10	9	1	13	3	7	140	0.2	0.01	0.65	0.17	0.01	0.02	-1	-1	-1
S9619528	335078	10	7	46	0.4	10	73	1	6	6	0.74	7	6	2	2	6	9	1	13	2	5	460	0.08	0.01	0.43	0.23	0.03	0.04	-1	-1	-1
S9619529	335079	14	19	54	0.2	61	161	1	23	24	2.85	4	28	2	7	24	1	1	24	2	8	802	0.32	0.01	1.03	0.23	0.01	0.06	-1	-1	-1
S9619530	335080	11	11	29	0.2	32	138	1	7	15	1.76	10	16	2	2	12	12	1	13	6	8	437	0.23	0.01	0.89	0.12	0.01	0.06	-1	-1	-1
S9619531	335081	30	8	62	0.2	9	87	1	18	34	2.11	7	15	2	2	7	9	1	11	5	9	816	0.35	0.01	0.78	0.17	0.01	0.05	-1	-1	-1
S9619532	335082	25	18	79	0.2	43	204	1	9	29	2.36	9	34	2	2	24	10	1	50	12	16	394	0.64	0.01	1.22	0.83	0.03	0.05	-1	-1	-1
S9619533	335083	20	10	65	0.4	23	138	1	13	41	2.28	8	77	2	2	32	14	2	35	6	13	346	1.13	0.02	1.27	0.51	0.01	0.05	-1	-1	-1
S9619534	335084	28	14	85	0.2	16	216	1	9	34	2.52	4	42	2	2	26	1	1	78	12	16	351	0.82	0.01	1.35	1.02	0.03	0.1	-1	-1	-1
S9619764	334600	30	16	96	0.2	9	225	1	9	30	2.96	5	24	2	5	28	1	1	51	19	13	294	0.36	0.01	0.88	0.72	0.01	0.04	-1	-1	-1
S9619765	334601	22	19	75	0.2	20	243	1	8	26	3.45	4	20	2	11	19	1	1	42	22	14	874	0.26	0.01	0.72	1.1	0.01	0.04	-1	-1	-1
S9619766	334602	18	13	56	0.2	24	213	1	8	26	5	5	15	2	2	16	1	1	27	17	14	1597	0.23	0.01	0.67	0.66	0.01	0.02	-1	-1	-1
S9619767	334603	27	16	61	0.2	13	149	1	15	37	4.6	3	16	2	2	11	1	1	35	19	27	2067	0.14	0.01	0.45	0.46	0.01	0.01	-1	-1	-1
S9619768	334604	31	14	74	0.2	25	157	1	15	39	3.81	1	20	2	2	14	1	1	42	16	17	910	0.24	0.01	0.7	0.73	0.01	0.03	-1	-1	-1
S9619769	334605	28	10	53	0.2	15	143	1	12	33	2.99	4	21	2	2	14	1	1	24	20	40	472	0.3	0.01	0.86	0.34	0.01	0.01	-1	-1	-1
S9619770	334606	34	14	74	0.2	22	68	1	12	30	3.42	5	13	2	2	9	1	1	40	14	14	294	0.37	0.01	0.39	2.63	0.01	0.01	-1	-1	-1
S9619771	334607	34	24	47	0.4	2	151	1	13	23	2.46	6	21	2	2	17	2	1	9	8	13	878	0.27	0.01	0.79	0.18	0.01	0.01	-1	-1	-1
S9619772	334608	43	7	45	0.2	1	119	1	15	61	4.88	1	12	2	2	5	1	1	48	13	15	1216	0.17	0.01	0.25	1.37	0.03	0.02	-1	-1	-1
S9619773	334609	7	35	37	0.2	1	156	1	4	8	2.72	4	9	2	2	5	8	1	4	12	22	903	0.12	0.01	0.6	0.05	0.01	0.04	-1	-1	-1
S9619774	334610	12	23	44	0.5	8	150	1	4	14	2.23	2	25	2	2	23	1	1	6	5	5	452	0.13	0.01	0.63	0.08					

S9619777	334613	8	23	52	0.2	3	130	1	5	19	1.77	4	27	2	6	18	7	1	5	10	26	182	0.24	0.01	0.84	0.1	0.01	0.03	-1	-1	-1
S9619778	334614	10	14	44	0.2	5	91	1	6	23	1.85	3	32	5	2	24	2	1	7	4	9	261	0.33	0.01	0.67	0.13	0.01	0.01	-1	-1	-1
S9619779	334615	12	23	46	0.2	6	251	1	3	19	2.29	3	35	2	2	18	1	1	9	7	10	98	0.27	0.01	0.74	0.09	0.01	0.04	-1	-1	-1
S9619780	334616	7	31	46	0.2	30	199	1	3	9	1.53	5	20	2	2	14	1	1	7	5	7	166	0.1	0.01	0.49	0.07	0.02	0.07	-1	-1	-1
S9619781	334617	12	21	54	0.2	15	157	1	5	21	2.03	4	25	2	6	13	1	1	9	13	39	287	0.27	0.01	0.63	0.15	0.01	0.04	-1	-1	-1
S9619782	334618	6	19	23	0.2	72	228	1	4	9	1.5	5	10	2	2	2	1	1	13	15	33	484	0.05	0.01	0.35	0.23	0.01	0.32	-1	-1	-1
S9619783	334619	9	19	21	0.2	253	162	1	4	9	2.18	2	9	2	2	3	1	1	10	15	31	944	0.07	0.01	0.33	0.28	0.01	0.33	-1	-1	-1
S9619960	322227	22	18	82	0.2	23	206	1	9	72	2.69	1	97	2	2	39	5	2	20	5	26	667	0.94	0.05	1.13	0.33	0.01	0.1	-1	-1	-1
S9619961	322228	12	5	57	0.2	15	116	1	2	30	1.88	1	44	2	2	25	5	2	9	6	27	182	0.46	0.03	0.84	0.12	0.01	0.07	-1	-1	-1
S9619963	322230	8	8	38	0.2	9	98	1	2	16	1.79	1	33	2	2	40	5	2	6	4	16	200	0.34	0.04	0.66	0.06	0.01	0.07	-1	-1	-1
S9619964	322231	44	16	85	0.2	43	183	1	14	40	4.19	1	64	2	2	65	5	2	8	2	14	938	1.36	0.04	2.09	0.21	0.01	0.14	-1	-1	-1
S9619965	322232	24	13	49	0.2	17	147	1	5	31	2.45	1	45	2	2	54	5	2	9	4	7	275	0.72	0.17	1.2	0.19	0.01	0.06	-1	-1	-1
S9619966	322233	8	11	9	0.2	2	60	1	2	11	0.57	1	19	2	2	13	5	2	5	3	2	93	0.18	0.03	0.32	0.08	0.01	0.05	-1	-1	-1
S9619967	334620	13	21	48	0.2	218	178	1	3	25	2.39	1	41	2	2	32	5	2	11	1	25	879	0.19	0.01	0.62	0.2	0.01	0.09	20	10	1235
S9619968	334621	14	13	51	0.2	97	147	1	4	42	2.52	2	66	2	2	31	5	2	10	5	32	460	0.43	0.02	0.84	0.18	0.01	0.09	5	10	1169
S9619969	334622	21	17	73	0.4	96	189	1	5	49	2.21	1	61	2	2	22	5	2	14	4	48	472	0.47	0.02	0.79	0.25	0.01	0.24	19	10	1298
S9619970	334623	31	27	95	0.2	36	226	1	17	138	3.88	1	244	2	2	50	5	2	20	9	28	577	1.44	0.01	1.58	0.35	0.01	0.08	-1	-1	-1
S9619971	334624	37	22	95	0.2	35	175	1	18	174	3.37	1	163	2	2	28	5	2	15	6	27	653	1.22	0.02	1.34	0.2	0.01	0.06	-1	-1	-1
S9619972	334625	20	23	66	0.4	27	219	1	9	159	2.71	2	196	2	2	22	5	2	10	7	25	397	1.44	0.01	1.15	0.15	0.01	0.09	-1	-1	-1
S9619973	334626	26	16	41	0.2	9	150	1	34	962	2.21	1	804	2	2	25	5	2	12	6	9	632	7.87	0.01	0.77	0.3	0.01	0.12	-1	-1	-1
S9619974	334627	15	24	38	0.2	30	194	1	36	452	2.76	3	454	2	5	17	5	2	12	4	39	844	2.97	0.01	0.54	0.12	0.01	0.25	-1	-1	-1
S9619975	334628	27	18	70	0.2	51	117	1	27	593	2.68	1	525	2	2	33	5	2	11	7	11	443	4.85	0.02	0.6	0.12	0.01	0.06	5	10	1663
S9619976	334629	33	22	68	0.5	200	243	1	26	429	3.21	1	457	2	16	36	5	2	13	4	11	648	2.85	0.01	0.69	0.17	0.01	0.08	12	10	1676
S9619977	334630	42	25	75	0.2	103	298	1	25	354	3.52	1	372	2	16	49	5	2	19	6	9	924	2.17	0.02	0.94	0.3	0.01	0.07	5	10	1764
S9619978	334631	25	18	72	0.2	68	233	1	20	326	3.26	1	315	2	10	45	5	2	25	6	10	675	1.52	0.03	0.92	0.36	0.01	0.07	5	10	1015
S9620293	324465	20	19	83	0.2	34	162	1	7	26	2.41	1	28	2	2	37	5	2	17	2	18	488	0.33	0.01	0.99	0.26	0.01	0.06	-1	-1	-1
S9620294	324466	13	13	55	0.4	12	183	1	2	14	1.39	1	19	2	2	22	5	2	34	4	12	170	0.3	0.01	1	0.54	0.01	0.06	-1	-1	-1
S9620295	324467	16	8	84	0.2	39	196	1	3	18	2.63	3	26	2	5	42	5	2	16	3	18	213	0.29	0.01	0.97	0.21	0.01	0.08	-1	-1	-1
S9620296	324468	19	19	115	0.2	25	245	1	4	22	1.68	1	22	2	2	25	5	2	50	5	14	361	0.36	0.01	1.13	0.85	0.01	0.07	-1	-1	-1
S9620297	324469	13	14	70	0.2	25	91	1	2	11	2.26	2	28	2	2	43	5	2	11	4	18	139	0.18	0.01	0.84	0.1	0.01	0.07	-1	-1	-1
S9620298	324470	11	11	66	0.2	10	86	1	3	14	2.19	2	22	2	2	32	5	2	5	2	29	198	0.21	0.02	1.01	0.03	0.01	0.08	-1	-1	-1
S9620299	324471	23	20	106	0.2	23	126	1	10	33	2.31	2	30	2	2	36	5	2	21	3	17	496	0.54	0.05	1	0.32	0.01	0.06	-1	-1	-1
S9620300	324472	15	19	74	0.2	22	120	1	5	17	1.94	1	25	2	2	23	5	2	11	5	22	361	0.24	0.02	0.76	0.15	0.01	0.09	-1	-1	-1
S9620301	324473	5	14	26	0.2	19	147	1	2	6	0.68	1	12	2	2	12	5	2	11	4	12	70	0.12	0.01	0.57	0.25	0.01	0.07	-1	-1	-1
S9619535	321660	5	2	22	0.2	4	101	1	11	55	1.17	3	139	12	7	18	2	1	10	1	3	378	0.68	0.01	0.54	0.15	0.01	0.02	-1	-1	-1
S9619536	321661	7	5	32	0.2	26	69	1	4	23	1.61	8	31	2	2	32	7	1	9	3	7	125	0.4	0.03	0.84	0.15	0.01	0.01	-1	-1	-1
S9619537	321662	14	9	58	0.2	1	233	1	20	254	1.93	8	200	2	9	16	1	1	26	7	7	204	1.73	0.01	0.83	0.59	0.01	0.03	-1	-1	-1
S9619538	321663	10	2	13	0.2	10	75	1	1	57	0.37	6	19	2	12	5	4	1	35	2	2	33	0.27	0.01	0.41	0.69	0.02	0.01	-1	-1	-1
S9619539	321664	7	5	37	0.2	4	122	1	5	34	1.25	8	33	2	2	20	9	1	18	5	8	150	0.42	0.02	0.77	0.35	0.01	0.02	-1	-1	-1
S9619541	321666	10	10	33	0.6	25	56	1	3	13	1.25	10	26	2	2	21	1	1	5	2	7	85	0.25	0.01	0.82	0.07	0.01	0.02	-1	-1	-1
S9619542	321667	2	2	4	0.4	4	18	1	1	3	0.24	3	6	2	2	4	1	1	2	1	1	12	0.03	0.01	0.2	0.01	0.01	0.01	-1	-1	-1
S9619543	321668	2	4	5	0.4	1	28	1	1	4	0.29	6	6	2	5	9	1	1	2	1	8	28	0.01	0.01	0.27	0.01	0.01	0.01	-1	-1	-1
S9619545	321670	18	8	47	0.2	16	56	1	7	41	1.96	6	63	2	2	33	1	1	8	4	15	218	0.65	0.03	1.03	0.17	0.01	0.03	-1	-1	-1
S9619546	321671	16	6	48	0.2	18	85	1	6	26	1.78	9	39	2	9	34	8	1	8	4	12	192	0.45	0.03	1.1	0.14	0.01	0.04	-1	-1	-1
S9619547	321672	19	6	42	0.2	19	81	1	6	36	1.85	10	47	2	2	37	1	1	10	6	12	207	0.55	0.05	1.06	0.2	0.01	0.03	-1	-1	-1
S9619548	321673	14	8	33	0.2	19	54	1	6	39	1.62	6	63	2	2	33	6	1	6	3	8	166	0.6	0.06	0.92	0.11	0.01	0.02	-1	-1	-1
S9619549	321674	25	4	41	0.2	5	113	1	11	75	2.05	9	86	16	2	40	5	1	12	9	14	310	0.96	0.05	0.95	0.27	0.01	0.02	-1	-1	-1
S9619550	321675	4	2	10	0.2	7	23	1	2	16	0.52	5	25	10	12	11	6	1	3	1	2	45	0.18	0.01	0.37	0.03	0.01	0.01	-1	-1	-1
S9619551	321676	12	5	32	0.2	7	61	1	5	33	1.44	9	49	2	10	28	2	1	5	3	7	148	0.46	0.03	0.83	0.11	0.01	0.01	-1	-1	-1
S9619552	321677	7	10	32	0.2	10	108	1	5	26	1.6	6	46	2	7	34	17	1	4	1	8	159	0.41	0.04	0.8	0.06	0.01	0.02	-1	-1	-1
S9619553	321678	10	2	34	0.4	1	131	1	8	120	1.5	6	143	2	2	24	5	1	5	2	5	171	1.39	0.01	0.75	0.07	0.01</				

S9619556	321681	6	5	37	0.2	27	100	1	3	10	1.66	9	9	9	2	17	3	1	7	2	23	129	0.08	0.01	0.41	0.14	0.01	0.14	-1	-1	-1
S9619557	321682	4	9	19	0.2	20	120	1	2	12	1.09	12	17	12	2	19	1	1	6	3	39	152	0.09	0.01	0.54	0.08	0.01	0.18	-1	-1	-1
S9619558	321683	2	7	5	0.2	14	62	1	1	1	0.32	10	2	2	2	5	9	1	4	1	4	581	0.01	0.01	0.21	0.03	0.02	0.05	-1	-1	-1
S9619559	321684	4	10	24	0.2	55	93	1	2	8	1.8	13	13	2	2	12	13	1	5	5	56	270	0.14	0.01	0.92	0.05	0.01	0.2	-1	-1	-1
S9619560	321685	4	10	20	0.2	16	203	1	1	8	0.92	10	13	2	2	11	11	1	8	4	24	88	0.13	0.01	0.77	0.07	0.01	0.09	-1	-1	-1
S9619561	321686	5	12	20	0.4	30	120	1	2	7	1.17	7	11	2	2	11	11	1	6	3	11	89	0.11	0.01	0.97	0.07	0.01	0.03	-1	-1	-1
S9619562	321687	10	15	37	0.2	45	124	1	6	18	1.89	3	18	2	2	14	5	1	7	7	19	317	0.23	0.01	1.05	0.08	0.01	0.06	-1	-1	-1
S9619563	321688	10	12	44	0.2	45	116	1	5	18	1.71	5	18	2	2	17	1	1	7	5	17	343	0.22	0.01	1.06	0.09	0.01	0.1	-1	-1	-1
S9619564	321851	16	11	84	0.2	22	111	1	6	23	2.12	8	23	2	2	36	14	1	10	4	13	268	0.38	0.01	0.89	0.12	0.01	0.03	-1	-1	-1
S9619565	321852	13	9	55	0.2	10	334	1	3	12	1.34	12	16	2	10	25	16	1	28	3	12	97	0.21	0.01	0.78	0.53	0.01	0.04	-1	-1	-1
S9619566	321853	3	4	8	0.2	3	23	1	1	2	0.27	5	2	2	2	8	10	1	2	1	4	14	0.02	0.01	0.2	0.01	0.01	0.01	-1	-1	-1
S9619567	321854	47	9	123	0.5	15	234	1	7	32	2.04	11	33	2	5	30	1	1	82	24	23	548	0.41	0.01	1.34	1.61	0.01	0.07	-1	-1	-1
S9619568	321855	34	7	80	0.4	7	220	1	7	27	1.72	8	36	2	5	29	9	1	83	11	12	268	0.48	0.01	1.03	1.45	0.01	0.05	-1	-1	-1
S9619569	321856	22	6	111	0.2	4	241	1	6	21	1.55	5	21	2	11	24	6	1	79	8	9	371	0.38	0.01	0.93	1.57	0.01	0.05	-1	-1	-1
S9619570	321857	13	10	60	0.5	17	95	1	3	15	1.29	9	22	2	2	22	8	1	32	5	9	79	0.24	0.01	0.59	0.5	0.03	0.03	-1	-1	-1
S9619571	321858	6	6	56	0.2	18	61	1	4	12	1.1	7	13	2	2	15	2	1	11	3	9	141	0.21	0.01	0.46	0.18	0.01	0.03	-1	-1	-1
S9619573	321860	10	2	15	0.2	7	213	1	2	5	0.31	8	4	2	2	3	4	1	50	3	2	222	0.06	0.01	0.38	1.2	0.02	0.01	-1	-1	-1
S9619574	321861	31	14	72	0.4	15	261	1	5	16	1.47	6	17	11	2	21	1	1	60	6	10	252	0.21	0.01	0.89	1.13	0.01	0.05	-1	-1	-1
S9619575	321862	14	2	11	0.2	7	123	1	1	5	0.29	5	2	2	2	4	1	1	55	5	5	100	0.05	0.01	0.3	1	0.02	0.01	-1	-1	-1
S9619576	321863	21	9	102	0.4	13	335	1	6	25	1.7	11	19	9	7	25	5	1	42	7	8	354	0.34	0.01	0.97	0.73	0.01	0.04	-1	-1	-1
S9619577	321864	20	6	54	0.2	12	137	1	4	18	1.14	7	12	2	10	16	1	1	74	9	8	214	0.2	0.01	0.89	1.09	0.02	0.03	-1	-1	-1
S9619578	321865	32	10	79	0.5	30	376	1	6	25	1.72	5	19	10	2	23	14	1	49	13	10	892	0.28	0.01	1.09	0.74	0.01	0.03	-1	-1	-1
S9619579	321866	16	11	70	0.6	9	223	1	8	17	1.56	4	17	13	2	25	11	1	33	8	11	509	0.21	0.01	0.82	0.44	0.01	0.04	-1	-1	-1
S9619580	321867	23	2	29	0.2	10	329	1	2	14	0.38	3	4	2	9	3	5	1	104	9	7	769	0.05	0.01	0.46	1.7	0.01	0.01	-1	-1	-1
S9619581	321868	16	10	78	0.2	13	155	1	6	17	1.47	11	15	2	5	17	2	1	50	10	10	352	0.27	0.01	0.87	0.73	0.01	0.02	-1	-1	-1
S9619582	321869	22	13	92	0.2	1	186	1	10	27	2.11	9	23	2	11	25	1	1	45	11	15	838	0.47	0.01	1.2	0.71	0.01	0.03	-1	-1	-1
S9619583	321870	15	12	62	0.2	22	160	1	10	22	2.31	7	21	2	2	26	10	1	29	7	17	590	0.46	0.01	1.07	0.5	0.01	0.02	-1	-1	-1
S9619584	321871	14	18	95	0.5	33	249	1	10	21	2.45	9	25	2	7	36	14	1	25	8	16	774	0.47	0.01	1.22	0.33	0.01	0.05	-1	-1	-1
S9619585	321872	25	11	128	0.8	16	266	1	8	32	2.23	10	24	2	2	30	4	1	60	12	16	329	0.49	0.01	1.16	0.97	0.01	0.07	-1	-1	-1
S9619586	321873	14	9	97	0.5	22	166	1	7	21	1.84	8	21	2	2	30	7	1	31	6	11	308	0.39	0.01	0.84	0.5	0.01	0.07	-1	-1	-1
S9619587	321874	21	14	124	0.2	16	462	1	10	29	2.52	13	25	2	6	39	4	1	39	10	14	562	0.52	0.01	1.17	0.75	0.01	0.05	-1	-1	-1
S9619588	321875	27	10	96	0.4	21	543	1	8	30	1.57	5	21	6	2	24	12	1	84	11	11	724	0.41	0.01	0.97	1.5	0.01	0.04	-1	-1	-1
S9619589	321876	21	7	108	0.2	19	210	1	6	26	2.14	10	24	2	6	33	1	1	22	7	14	238	0.42	0.01	0.9	0.31	0.01	0.06	-1	-1	-1
S9619591	321878	21	15	88	0.2	15	234	1	8	24	2.36	5	22	2	2	28	1	1	23	7	16	291	0.45	0.01	1.07	0.35	0.01	0.04	-1	-1	-1
S9619592	321879	9	6	43	0.2	5	150	1	5	10	1.16	8	14	2	13	19	1	1	14	3	6	415	0.17	0.01	0.67	0.17	0.01	0.04	-1	-1	-1
S9619593	321880	16	20	67	0.6	24	313	1	40	18	2.36	14	20	2	2	37	7	1	15	7	10	2743	0.31	0.01	0.91	0.2	0.01	0.04	-1	-1	-1
S9619594	321881	34	8	98	0.5	19	491	1	7	31	1.49	5	16	2	23	25	10	1	40	16	11	614	0.24	0.01	0.8	0.63	0.01	0.08	-1	-1	-1
S9619595	321882	20	9	99	0.4	34	296	1	8	29	2.08	10	24	2	2	33	7	1	27	7	14	342	0.44	0.01	0.98	0.45	0.01	0.07	-1	-1	-1
S9619596	321883	21	11	135	0.6	26	332	1	9	29	1.98	11	22	2	2	30	11	1	46	12	17	771	0.47	0.01	1.07	0.84	0.01	0.06	-1	-1	-1
S9619597	321884	20	37	120	0.2	21	402	1	45	25	2.56	14	26	2	2	48	14	1	27	10	18	4367	0.49	0.01	1.22	0.37	0.01	0.07	-1	-1	-1
S9619598	321885	14	13	88	0.6	15	203	1	6	20	1.77	10	22	2	2	29	1	1	21	6	17	209	0.45	0.01	1.02	0.29	0.01	0.06	-1	-1	-1
S9619599	321886	29	41	95	0.4	14	131	1	10	32	2.32	9	19	2	2	22	8	1	22	11	29	320	0.47	0.01	0.89	0.23	0.01	0.07	-1	-1	-1
S9619600	321887	31	12	119	0.2	9	334	1	9	33	2.21	5	25	2	2	36	1	1	48	13	15	333	0.51	0.01	1.11	0.83	0.01	0.07	-1	-1	-1
S9619602	321889	34	15	252	0.2	7	355	1	5	26	1.65	9	15	2	9	23	14	1	59	9	7	236	0.34	0.01	0.91	1.37	0.01	0.04	-1	-1	-1
S9619603	321890	33	10	71	0.2	14	326	1	8	26	1.69	8	16	2	2	20	6	1	36	14	12	779	0.3	0.01	0.93	0.58	0.01	0.04	-1	-1	-1
S9619604	321891	24	15	78	0.2	6	123	1	10	21	2.47	5	18	2	2	24	13	1	25	9	15	403	0.41	0.01	1.02	0.34	0.01	0.04	-1	-1	-1
S9619605	321892	27	13	135	0.5	34	401	1	8	40	2.85	1	32	2	2	24	11	1	59	10	11	420	0.55	0.01	0.96	0.89	0.01	0.08	-1	-1	-1
S9619606	321893	24	11	69	0.5	22	260	1	10	46	2.45	5	80	8	2	38	1	1	27	8	14	256	0.84	0.02	1.36	0.52	0.01	0.04	-1	-1	-1
S9619607	321894	29	18	87	0.4	13	127	1	7	31	3.24	9	27	2	14	38	5	1	10	5	18	216	0.38	0.01	1.34	0.08	0.01	0.02	-1	-1	-1
S9619608	321895	43	25	77	0.7	17	42	1	14	48	3.81	13	26	2	6	22	6	1	8	5	30	367	0.52	0.01	1.17	0.07	0.01	0.03	-1	-1	-1
S9619609	321896	23	27	39	0.2	17	31	1	4	17	1.97	12	12	2	2	9	2	1	17	3	29	102	0.33								

S9619612	321899	11	11	83	0.2	5	113	1	7	56	1.96	7	52	2	2	17	20	1	7	5	6	260	0.31	0.01	0.68	0.11	0.01	0.06	-1	-1	-1
S9619613	321900	24	16	93	0.2	24	215	1	14	43	2.51	12	36	2	2	25	3	1	53	9	12	848	0.52	0.01	0.94	0.93	0.01	0.03	-1	-1	-1
S9619614	321901	15	16	64	0.7	42	135	1	10	30	2.83	6	41	2	2	26	1	1	23	6	15	416	0.6	0.01	1.05	0.41	0.01	0.04	-1	-1	-1
S9619615	321902	29	14	74	0.2	3	222	1	11	49	2.7	10	56	2	2	26	1	1	18	8	26	231	0.67	0.01	1.12	0.32	0.01	0.05	-1	-1	-1
S9619616	321903	33	12	89	0.6	9	392	1	20	227	2.5	9	118	5	14	27	3	1	41	9	13	2410	1.04	0.01	1.06	0.88	0.01	0.05	-1	-1	-1
S9619617	321904	28	9	95	0.2	12	326	1	11	79	2.03	9	65	2	2	28	1	1	45	7	10	408	0.78	0.01	0.96	0.88	0.01	0.05	-1	-1	-1
S9619618	321905	22	11	86	0.5	18	267	1	12	77	2.24	6	74	2	7	29	1	1	39	9	12	514	0.77	0.01	0.98	0.78	0.01	0.05	-1	-1	-1
S9619619	321906	22	7	74	0.2	20	248	1	12	107	1.94	9	73	2	2	19	2	1	37	6	7	637	0.78	0.01	0.77	0.82	0.01	0.04	-1	-1	-1
S9619620	321907	22	11	99	0.2	20	220	1	14	135	2.23	9	110	7	11	25	1	1	41	8	10	389	1.23	0.01	0.87	0.8	0.01	0.06	-1	-1	-1
S9619621	321908	27	14	99	0.5	35	255	1	12	141	1.96	3	106	2	9	22	5	1	51	9	9	406	1.04	0.01	0.88	0.99	0.01	0.06	-1	-1	-1
S9619622	321909	41	11	127	0.4	5	481	1	9	100	2.08	4	40	2	13	33	13	1	69	11	8	600	0.62	0.01	1.04	1.14	0.01	0.07	-1	-1	-1
S9619623	321910	52	8	207	0.2	5	472	1	10	88	2.42	8	45	2	6	38	2	1	91	13	10	551	0.74	0.01	1.22	1.87	0.01	0.11	-1	-1	-1
S9619624	321911	25	8	85	0.2	11	322	1	9	52	1.56	4	43	6	9	25	4	1	53	9	9	292	0.57	0.01	0.78	1.11	0.01	0.05	-1	-1	-1
S9619625	321912	17	9	93	0.2	1	247	1	10	57	2.08	7	61	2	2	22	1	1	52	10	13	328	0.67	0.01	0.71	1.11	0.01	0.05	-1	-1	-1
S9619626	321913	35	12	148	0.4	14	760	3	15	91	2.37	9	49	2	7	32	1	1	97	12	10	4244	0.67	0.01	1.08	1.74	0.01	0.07	-1	-1	-1
S9619627	321914	18	4	48	0.2	7	295	1	8	81	1.42	7	59	2	5	17	1	1	40	8	9	535	0.6	0.01	0.73	0.78	0.02	0.01	-1	-1	-1
S9619628	321915	13	2	8	0.2	11	190	1	1	42	0.33	5	8	2	2	6	4	1	32	4	2	62	0.08	0.01	0.32	0.64	0.03	0.01	-1	-1	-1
S9619629	321916	23	7	59	0.2	14	417	1	9	186	1.54	7	117	2	14	18	12	1	76	8	8	314	1.26	0.01	0.69	1.88	0.01	0.04	-1	-1	-1
S9619630	321917	25	7	66	0.2	10	357	1	8	110	1.36	7	64	2	2	20	1	1	63	9	8	627	0.71	0.01	0.74	1.45	0.01	0.03	-1	-1	-1
S9619631	321918	3	2	3	0.2	7	69	1	1	8	0.12	4	2	2	8	1	4	1	16	1	1	14	0.03	0.01	0.17	0.25	0.02	0.01	-1	-1	-1
S9619632	321925	21	13	86	0.2	21	230	1	14	119	2	6	151	2	2	26	1	1	27	11	11	228	1.11	0.01	0.85	0.46	0.01	0.03	-1	-1	-1
S9619633	321926	22	13	88	0.6	24	354	1	15	111	2.41	6	131	2	12	28	3	1	40	9	10	1199	0.97	0.01	0.99	0.7	0.01	0.03	-1	-1	-1
S9619634	321927	16	10	87	0.5	20	207	1	12	89	1.61	10	103	2	2	26	9	1	33	10	13	258	0.97	0.01	0.88	0.52	0.01	0.05	-1	-1	-1
S9619784	334632	17	14	76	0.6	23	128	1	8	24	2.45	2	24	2	8	31	1	1	12	6	12	499	0.4	0.01	1.01	0.2	0.01	0.03	-1	-1	-1
S9619785	334633	19	26	89	0.2	16	259	1	9	19	2.51	3	26	2	2	36	1	1	35	13	26	755	0.32	0.01	0.83	0.65	0.01	0.08	-1	-1	-1
S9619786	334634	9	10	55	0.2	1	65	1	3	10	1.76	3	13	2	2	44	1	1	5	2	11	240	0.13	0.01	0.49	0.08	0.01	0.04	-1	-1	-1
S9619787	334635	6	6	33	0.4	1	66	1	2	6	0.88	2	8	2	2	21	1	1	4	2	10	49	0.03	0.01	0.45	0.04	0.01	0.02	-1	-1	-1
S9619788	334636	11	11	57	0.2	1	152	1	3	9	1.37	5	15	2	2	14	1	1	26	6	7	221	0.15	0.01	0.96	0.51	0.01	0.01	-1	-1	-1
S9619789	334637	17	10	57	0.2	7	242	1	3	10	1.41	2	15	2	5	20	2	1	9	6	8	185	0.15	0.01	0.69	0.12	0.03	0.03	-1	-1	-1
S9619790	334638	8	13	18	0.2	1	81	1	4	4	0.82	2	10	2	6	9	1	1	4	2	5	318	0.05	0.01	0.49	0.05	0.03	0.02	-1	-1	-1
S9619791	334639	4	4	9	0.2	4	27	1	1	2	0.45	3	7	2	10	4	1	1	3	1	3	34	0.02	0.01	0.24	0.02	0.03	0.01	-1	-1	-1
S9619792	334640	24	20	119	0.7	21	499	1	8	22	2.72	6	28	2	12	25	1	1	46	14	14	816	0.31	0.01	1.32	0.7	0.03	0.04	-1	-1	-1
S9619793	334641	19	9	105	0.6	1	281	1	7	22	2.26	6	24	2	2	25	1	1	33	11	16	555	0.4	0.01	0.96	0.51	0.01	0.06	-1	-1	-1
S9619795	334644	18	15	84	0.2	21	124	1	9	28	2.57	4	23	8	2	25	1	1	18	9	16	404	0.36	0.01	0.84	0.23	0.01	0.04	-1	-1	-1
S9619796	334645	7	18	35	0.2	1	121	1	4	9	1.35	2	13	2	8	17	1	1	19	2	6	665	0.13	0.01	0.62	0.22	0.01	0.02	-1	-1	-1
S9619797	334646	7	9	32	0.2	1	168	1	2	6	0.97	1	10	2	2	13	2	1	56	2	4	225	0.13	0.01	0.58	0.74	0.04	0.02	-1	-1	-1
S9619798	334647	25	27	78	0.2	14	102	1	11	30	3.41	4	19	2	2	14	3	1	52	26	27	508	0.26	0.01	0.72	0.61	0.01	0.02	-1	-1	-1
S9619799	334648	24	22	57	0.2	1	89	1	8	17	2.14	4	14	2	2	12	1	1	65	14	16	441	0.19	0.01	0.68	0.78	0.01	0.03	-1	-1	-1
S9619800	334649	20	27	76	0.2	11	78	1	7	22	2.82	5	15	2	2	10	1	1	175	33	54	480	0.15	0.01	0.59	1.9	0.02	0.01	-1	-1	-1
S9619801	334650	21	22	76	0.2	1	127	1	9	24	2.96	5	17	2	2	17	1	1	175	31	25	683	0.2	0.01	0.73	1.68	0.02	0.01	-1	-1	-1
S9619802	334651	36	23	108	0.2	10	117	1	14	38	3.32	3	20	2	2	18	2	1	104	27	21	566	0.31	0.01	0.64	1.45	0.01	0.02	-1	-1	-1
S9619803	334652	33	19	96	0.2	14	110	1	12	34	4	5	20	2	2	22	1	1	78	27	18	457	0.32	0.01	0.74	0.95	0.03	0.02	-1	-1	-1
S9619804	334653	27	20	93	0.2	3	87	1	11	33	3.46	5	19	2	2	18	1	1	75	28	21	907	0.26	0.01	0.68	0.96	0.01	0.02	-1	-1	-1
S9619805	334654	16	13	69	0.2	1	176	1	6	22	2.31	3	22	2	2	27	1	1	61	7	9	448	0.3	0.01	0.82	0.71	0.01	0.02	-1	-1	-1
S9619806	334655	16	11	52	0.2	1	130	1	7	30	2.32	3	28	2	2	21	1	1	16	5	12	236	0.32	0.01	0.8	0.21	0.01	0.02	-1	-1	-1
S9619807	334656	14	8	59	0.2	8	103	1	6	24	2.2	6	24	2	2	20	1	1	10	4	10	309	0.22	0.01	0.76	0.12	0.01	0.01	-1	-1	-1
S9619808	334657	16	12	65	0.2	1	153	1	5	19	2.01	5	25	2	2	20	1	1	31	7	9	266	0.24	0.01	0.9	0.39	0.01	0.02	-1	-1	-1
S9619809	334658	22	14	81	0.2	7	89	1	9	47	2.75	2	41	2	2	22	1	1	17	8	10	290	0.26	0.01	0.55	0.25	0.01	0.03	-1	-1	-1
S9619810	334659	19	12	71	0.2	30	85	1	10	29	2.41	2	18	2	2	17	1	1	12	10	9	358	0.17	0.01	0.39	0.2	0.01	0.05	-1	-1	-1
S9619811	334660	29	14	59	0.2	11	160	1	9	35	2.52	2	37	2	14	23	1	1	18	8	9	327	0.27	0.01	0.69	0.27	0.03	0.03	-1	-1	-1
S9619812	334661	29	17	65	0.2	4	82	1	12	42	2.97	3	47	2	2	23	2	1	17	8	14	424	0.37	0.01	0.58						

S9619815	334665	28	11	74	0.2	15	51	1	13	43	3.18	3	23	2	2	18	4	1	19	9	9	533	0.25	0.01	0.46	0.29	0.01	0.04	-1	-1	-1
S9619816	334666	25	14	59	0.2	5	79	1	9	33	2.81	5	27	2	2	17	1	1	16	7	9	383	0.2	0.01	0.58	0.27	0.03	0.08	-1	-1	-1
S9619817	334667	43	26	132	0.2	22	170	1	15	39	3.72	4	41	2	11	36	1	1	59	13	8	887	0.4	0.01	0.71	1.01	0.02	0.08	-1	-1	-1
S9619818	334668	28	29	160	0.2	14	83	1	12	29	3.13	2	20	2	2	18	2	1	46	10	6	778	0.23	0.01	0.47	1.01	0.02	0.07	-1	-1	-1
S9619819	334669	26	17	80	0.2	4	116	1	11	33	3.07	2	25	2	2	17	1	1	22	10	5	511	0.17	0.01	0.52	0.44	0.02	0.04	-1	-1	-1
S9619820	334670	22	18	76	0.2	4	122	1	9	32	2.82	4	37	2	12	16	1	1	28	5	4	468	0.23	0.01	0.48	0.55	0.03	0.04	-1	-1	-1
S9619821	334671	21	15	152	0.2	4	86	1	9	32	2.81	2	25	2	6	18	1	1	18	4	6	483	0.31	0.01	0.51	0.33	0.01	0.04	-1	-1	-1
S9619822	334672	29	14	110	0.5	9	114	1	11	50	2.68	3	29	2	10	17	1	1	19	9	7	740	0.3	0.01	0.62	0.37	0.01	0.04	-1	-1	-1
S9619823	334673	5	6	24	0.2	1	59	1	3	15	0.63	1	41	2	2	4	1	1	17	2	2	240	0.2	0.01	0.32	0.47	0.02	0.03	-1	-1	-1
S9619824	334674	12	51	159	0.2	6	78	1	3	12	1.14	5	12	2	2	3	1	1	8	15	9	322	0.06	0.01	0.24	0.27	0.01	0.09	-1	-1	-1
S9619825	334675	9	20	75	0.4	15	70	1	3	6	1.71	4	8	2	2	5	1	1	7	9	7	479	0.07	0.01	0.35	0.16	0.01	0.06	-1	-1	-1
S9619826	334677	11	14	62	0.2	1	149	1	5	8	1.51	1	11	2	12	7	1	1	18	8	4	410	0.11	0.01	0.62	0.74	0.03	0.06	-1	-1	-1
S9619827	334678	26	22	91	0.4	1	249	1	4	21	2.56	5	33	2	2	18	1	1	22	17	10	621	0.19	0.01	0.97	0.55	0.02	0.05	-1	-1	-1
S9619828	334679	3	7	20	0.2	1	39	1	1	3	0.63	1	7	2	6	4	1	1	6	1	4	67	0.04	0.01	0.24	0.17	0.01	0.02	-1	-1	-1
S9619829	334680	8	7	17	0.2	2	107	1	5	27	1.28	1	29	2	2	13	7	1	14	2	3	151	0.1	0.01	0.51	0.22	0.03	0.01	-1	-1	-1
S9619830	334681	32	14	82	0.2	8	160	1	15	207	2.14	4	93	2	7	16	3	1	16	9	7	460	0.99	0.01	0.55	0.32	0.01	0.03	-1	-1	-1
S9619831	334682	7	2	11	0.2	1	55	1	1	16	0.36	1	8	5	2	2	1	1	29	1	1	163	0.08	0.01	0.29	0.82	0.02	0.01	-1	-1	-1
S9620089	327349	9	8	66	0.2	27	229	1	3	15	1.62	1	36	2	2	28	5	2	21	3	15	188	0.27	0.01	0.99	0.32	0.01	0.06	-1	-1	-1
S9620090	327350	12	9	44	0.2	27	219	1	2	11	1.62	1	36	2	2	32	5	2	12	2	17	332	0.18	0.01	0.84	0.12	0.01	0.06	-1	-1	-1
S9620091	327351	20	24	95	0.2	35	207	1	9	32	2.5	1	45	2	2	35	5	2	27	3	23	961	0.4	0.02	0.96	0.33	0.01	0.07	-1	-1	-1
S9620092	327352	25	18	94	0.2	31	222	1	11	37	2.58	1	40	2	2	31	5	2	27	3	34	689	0.43	0.01	1	0.34	0.01	0.08	-1	-1	-1
S9620093	327353	15	34	71	0.2	29	584	1	11	21	2.61	2	30	2	2	41	5	2	28	2	36	975	0.33	0.02	1.08	0.24	0.01	0.06	5	10	1343
S9620094	327354	29	29	79	0.2	34	164	1	10	28	2.61	1	22	2	2	22	5	2	86	2	35	1156	0.3	0.01	0.76	1.04	0.01	0.07	-1	-1	-1
S9620095	327355	25	23	83	0.2	17	115	1	11	35	2.86	1	19	2	2	26	5	2	67	4	30	486	0.39	0.01	0.77	0.76	0.01	0.06	-1	-1	-1
S9620096	327356	26	22	78	0.2	24	148	1	11	34	2.89	1	20	2	2	27	5	2	52	6	29	468	0.38	0.01	0.84	0.5	0.01	0.01	-1	-1	-1
S9620097	327357	17	2	69	0.2	26	183	1	5	18	2.07	1	24	2	2	25	5	2	76	7	18	223	0.27	0.01	1.05	0.76	0.01	0.01	-1	-1	-1
S9620098	327358	17	12	54	0.2	21	145	1	4	23	2.21	1	23	2	2	30	5	2	34	10	21	226	0.36	0.02	1.03	0.35	0.01	0.01	-1	-1	-1
S9620099	327359	25	16	70	0.2	21	179	1	9	32	2.29	1	26	2	2	35	5	2	44	7	21	449	0.42	0.04	0.9	0.51	0.01	0.07	-1	-1	-1
S9620100	327360	20	4	71	0.2	17	186	1	7	27	2.09	1	24	2	2	28	5	2	69	5	21	357	0.37	0.02	0.81	0.87	0.01	0.07	-1	-1	-1
S9620101	327361	31	13	103	0.2	13	140	1	15	44	3.32	1	17	2	2	31	5	2	23	5	31	680	0.38	0.01	0.72	0.27	0.01	0.01	-1	-1	-1
S9620102	327362	15	15	85	0.2	25	266	1	5	23	2.29	1	19	2	2	29	5	2	54	4	19	257	0.35	0.01	0.99	0.55	0.01	0.01	-1	-1	-1
S9620103	327363	34	14	88	0.4	34	369	1	15	36	3.95	2	21	2	2	28	5	4	31	5	17	809	0.32	0.01	0.79	0.5	0.01	0.06	-1	-1	-1
S9620104	327364	24	17	68	0.2	21	614	1	5	19	2.11	1	19	2	2	37	5	2	38	4	20	167	0.3	0.01	1.1	0.4	0.01	0.07	-1	-1	-1
S9620105	327365	23	29	126	0.2	24	368	1	11	28	2.64	1	17	2	2	42	5	4	67	5	18	328	0.5	0.01	1.04	0.68	0.01	0.01	-1	-1	-1
S9620106	327366	19	16	79	0.2	31	331	1	6	23	1.79	1	19	2	2	34	5	3	35	4	19	277	0.38	0.01	1.03	0.38	0.01	0.01	-1	-1	-1
S9620107	327367	25	20	78	0.2	27	112	1	4	20	2.11	1	10	2	2	30	5	5	16	2	29	109	0.33	0.01	0.76	0.2	0.01	0.06	-1	-1	-1
S9620108	327368	25	24	56	0.2	25	200	1	13	28	2.57	1	6	2	2	17	5	2	11	5	30	1036	0.19	0.01	0.54	0.12	0.01	0.05	-1	-1	-1
S9620109	327369	20	24	65	0.2	36	233	1	5	19	2	1	5	2	2	19	5	4	47	5	19	602	0.2	0.01	0.66	0.58	0.01	0.07	-1	-1	-1
S9620110	327370	18	13	182	0.2	23	152	1	7	20	1.84	1	10	2	2	21	5	2	12	5	24	706	0.26	0.01	0.63	0.15	0.01	0.07	-1	-1	-1
S9620111	327371	25	17	129	0.2	14	234	1	3	23	1.78	2	16	2	2	9	5	2	15	4	39	324	0.12	0.01	0.56	0.14	0.01	0.1	-1	-1	-1
S9620112	327372	6	6	68	0.2	21	81	1	2	2	0.97	1	13	2	2	10	5	2	10	3	17	114	0.05	0.01	0.41	0.13	0.01	0.21	-1	-1	-1
S9620113	327373	6	5	72	0.2	48	99	1	2	1	2.02	2	5	2	2	9	5	2	8	5	18	129	0.04	0.01	0.55	0.08	0.01	0.08	-1	-1	-1
S9620114	327374	13	20	60	0.2	36	79	1	4	5	1.59	1	9	2	2	9	5	2	11	4	26	543	0.08	0.01	0.35	0.11	0.01	0.09	-1	-1	-1
S9620115	327375	11	22	236	0.2	33	111	1	8	26	2.13	2	11	2	2	25	5	4	7	3	17	615	0.38	0.01	0.81	0.08	0.01	0.06	-1	-1	-1
S9620116	327376	17	14	570	0.2	28	113	1	2	10	1.13	2	8	2	2	12	5	2	13	5	20	69	0.14	0.01	0.49	0.16	0.01	0.17	5	10	1275
S9620117	327377	12	24	70	0.2	30	130	1	4	19	1.54	2	8	2	2	22	5	2	10	1	22	261	0.26	0.02	0.71	0.14	0.01	0.09	-1	-1	-1
S9620118	327378	7	8	38	0.2	16	80	1	5	27	2.53	2	2	2	2	21	5	2	9	2	23	290	0.35	0.01	0.62	0.13	0.01	0.07	-1	-1	-1
S9620119	327379	8	16	30	0.2	8	106	1	4	15	1.59	2	2	2	2	17	5	2	10	2	22	211	0.26	0.01	0.6	0.18	0.01	0.08	-1	-1	-1
S9620120	327380	6	12	31	0.2	18	101	1	4	11	1.36	1	5	2	2	21	5	2	12	1	15	170	0.24	0.02	0.58	0.31	0.01	0.07	-1	-1	-1
S9620121	327381	8	18	48	0.2	20	141	1	5	18	1.32	1	2	2	2	22	5	2	12	3	18	118	0.29	0.03	0.71	0.23	0.01	0.08	-1	-1	-1
S9620122	327382	5	14	36	0.2	11	120	1	2	7	1.39	1	5	2	2	22	5	2	9	3	19	84	0.2	0.01	0.68	0.19	0.01	0.08	-1	-1	

S9620125	327385	9	14	45	0.2	16	88	1	5	39	1.94	1	54	2	2	28	5	2	10	2	12	193	0.5	0.03	0.79	0.2	0.01	0.07	-1	-1	-1
S9620126	327386	7	8	36	0.2	29	91	1	3	31	1.62	1	58	2	2	25	5	2	12	3	17	142	0.45	0.02	0.73	0.19	0.01	0.07	-1	-1	-1
S9620127	327387	4	2	20	0.2	2	87	1	2	13	0.91	1	49	2	2	17	5	2	4	2	20	82	0.21	0.01	0.6	0.04	0.01	0.1	-1	-1	-1
S9620128	327388	6	4	33	0.2	15	160	1	2	19	1.68	1	27	2	2	18	5	2	12	2	16	137	0.29	0.01	0.75	0.21	0.01	0.08	-1	-1	-1
S9620129	327389	5	14	31	0.6	2	114	1	2	6	0.91	1	20	2	2	15	5	2	8	1	9	63	0.13	0.01	0.6	0.15	0.01	0.07	-1	-1	-1
S9620130	327390	9	8	24	0.2	14	69	1	2	9	0.62	1	22	2	2	13	5	2	7	2	8	52	0.04	0.01	0.41	0.18	0.01	0.07	-1	-1	-1
S9620131	327391	9	9	50	0.2	10	80	1	6	38	1.54	1	52	2	2	23	5	2	6	2	18	179	0.33	0.01	0.6	0.09	0.01	0.15	-1	-1	-1
S9620132	327392	16	19	81	0.2	21	124	1	5	27	2.28	1	29	2	2	28	5	2	10	1	26	305	0.32	0.02	0.83	0.13	0.01	0.1	-1	-1	-1
S9620133	327393	8	4	47	0.2	17	86	1	7	45	2.27	1	50	2	2	25	5	2	5	2	24	221	0.52	0.01	0.72	0.05	0.01	0.07	-1	-1	-1
S9620255	324258	14	16	45	0.2	15	126	1	4	16	1.42	1	19	2	2	24	5	2	14	2	10	314	0.22	0.01	0.75	0.21	0.01	0.05	-1	-1	-1
S9620256	324259	15	11	65	0.2	7	148	1	6	25	2.22	1	27	2	2	26	5	2	11	1	23	310	0.35	0.03	0.78	0.14	0.01	0.05	-1	-1	-1
S9620257	324260	10	10	54	0.2	2	88	1	2	8	0.9	1	8	2	2	13	5	2	29	2	5	136	0.14	0.01	0.66	0.5	0.01	0.04	-1	-1	-1
S9620258	324261	25	2	73	0.2	20	134	1	8	36	2.33	1	29	2	2	28	5	2	15	2	23	326	0.37	0.03	0.86	0.21	0.01	0.05	-1	-1	-1
S9620259	324262	13	5	47	0.2	22	271	1	2	14	1.52	2	24	2	2	23	5	2	16	3	27	159	0.25	0.01	0.69	0.22	0.01	0.08	-1	-1	-1
S9620260	324263	12	25	89	0.4	18	245	1	6	20	3.4	2	25	2	2	19	5	2	12	3	44	886	0.29	0.01	0.87	0.29	0.01	0.24	-1	-1	-1
S9620261	324264	14	25	71	0.2	33	135	1	6	28	2.81	3	36	2	2	26	5	2	14	2	48	657	0.33	0.03	0.68	0.19	0.01	0.09	-1	-1	-1
S9620262	324265	11	12	62	0.2	23	182	1	4	22	2.07	1	38	2	2	30	5	2	9	1	28	315	0.23	0.02	0.67	0.08	0.01	0.12	-1	-1	-1
S9620263	324266	17	63	82	0.2	34	240	1	7	24	2.71	2	37	2	2	38	5	2	9	3	30	648	0.32	0.02	1.35	0.08	0.01	0.13	-1	-1	-1
S9620264	324267	11	13	108	0.2	21	184	1	5	24	1.92	1	26	2	2	17	5	2	17	2	26	620	0.36	0.02	0.56	0.25	0.01	0.1	-1	-1	-1
S9620265	324268	19	24	92	0.2	40	250	1	10	39	3.34	3	63	2	2	33	5	2	15	5	39	570	0.45	0.04	0.82	0.19	0.01	0.13	-1	-1	-1
S9620266	324269	10	21	166	0.5	13	281	1	6	27	1.88	1	43	2	2	17	5	2	12	2	40	435	0.33	0.01	0.95	0.13	0.01	0.15	-1	-1	-1
S9620267	324270	17	16	90	0.4	30	120	1	8	44	2.2	2	47	2	2	34	5	2	15	3	29	366	0.5	0.04	0.89	0.18	0.01	0.08	-1	-1	-1
S9620268	324271	18	37	139	0.2	26	339	1	3	37	2.5	1	55	2	2	30	5	2	11	2	24	218	0.45	0.01	1.52	0.08	0.01	0.13	-1	-1	-1
S9620269	324272	26	4	78	0.2	39	234	1	7	31	2.97	1	51	2	2	42	5	2	9	5	17	426	0.44	0.02	1.48	0.1	0.01	0.09	-1	-1	-1
S9620270	324273	19	42	108	0.2	41	217	1	13	32	2.83	2	48	2	2	34	5	2	12	5	29	962	0.42	0.01	1.31	0.1	0.01	0.11	-1	-1	-1
S9620271	324274	13	31	65	0.2	27	198	1	4	26	1.78	2	37	2	2	25	5	2	11	5	30	206	0.24	0.02	0.52	0.07	0.01	0.09	-1	-1	-1
S9620272	324275	19	20	75	0.2	35	320	1	6	37	2.3	1	49	2	2	33	5	2	17	6	32	397	0.39	0.04	0.85	0.17	0.01	0.09	-1	-1	-1
S9620273	324276	11	18	60	0.2	13	329	1	4	21	1.89	1	55	2	2	26	5	2	8	2	27	255	0.33	0.01	1.09	0.07	0.01	0.07	-1	-1	-1
S9620274	324277	9	11	52	0.2	32	142	1	6	58	2.11	2	100	2	2	23	5	2	6	3	37	194	0.61	0.01	1.09	0.04	0.01	0.06	-1	-1	-1
S9620275	324278	4	12	20	0.2	5	121	1	2	10	0.78	1	33	2	2	10	5	2	4	5	12	63	0.14	0.01	0.47	0.02	0.01	0.06	-1	-1	-1
S9620276	324279	12	9	40	6.5	20	327	1	2	16	0.66	1	37	2	2	8	5	2	14	2	25	65	0.13	0.01	0.47	0.14	0.01	0.05	-1	-1	-1
S9620277	324280	9	26	83	0.4	84	390	1	4	25	1.64	1	49	2	2	20	5	2	15	3	29	212	0.37	0.01	0.88	0.17	0.01	0.08	-1	-1	-1
S9620278	324281	12	32	98	1.3	47	310	1	3	17	1.74	2	34	2	2	17	5	2	22	7	36	307	0.27	0.01	0.97	0.3	0.01	0.1	-1	-1	-1
S9620279	324282	20	14	84	0.6	27	257	1	5	31	1.94	1	39	2	2	21	5	2	33	2	23	400	0.37	0.01	1.02	0.49	0.01	0.11	-1	-1	-1
S9620280	324283	30	22	104	0.4	48	327	1	8	38	1.5	1	34	2	2	24	5	2	44	3	21	324	0.38	0.02	1	0.84	0.01	0.14	-1	-1	-1
S9620281	324284	16	11	135	0.2	47	214	1	2	50	1.02	2	27	2	5	7	5	2	71	7	1	137	0.22	0.01	0.44	1.53	0.01	0.05	-1	-1	-1
S9620282	324285	3	10	22	0.2	10	90	1	2	7	0.76	1	14	2	2	9	5	2	10	2	6	85	0.16	0.01	0.4	0.12	0.01	0.06	-1	-1	-1
S9620284	324286	16	2	119	0.4	29	311	1	7	30	2.34	1	41	2	2	27	5	2	25	2	29	454	0.44	0.01	1.31	0.3	0.01	0.11	-1	-1	-1
S9620285	324287	5	13	36	0.2	16	174	1	2	11	1.6	1	29	2	2	24	5	2	9	5	29	116	0.29	0.01	1.12	0.09	0.01	0.06	-1	-1	-1
S9620286	324288	27	5	117	0.4	42	501	1	8	33	2.27	1	37	2	6	25	5	2	42	2	22	342	0.49	0.01	1.3	0.51	0.01	0.09	-1	-1	-1
S9620287	324289	17	5	50	0.2	31	83	1	4	22	1.91	1	34	2	2	26	5	2	10	3	29	222	0.38	0.02	0.98	0.12	0.01	0.06	-1	-1	-1
S9620288	324290	22	6	46	0.4	40	204	1	3	21	1.01	1	21	2	5	14	5	4	56	3	8	125	0.3	0.01	0.81	0.83	0.01	0.06	-1	-1	-1
S9620289	324291	8	16	40	0.2	23	155	1	3	9	0.97	1	14	2	2	13	5	2	12	4	6	181	0.18	0.01	0.6	0.16	0.01	0.06	-1	-1	-1
S9620290	324292	5	7	11	0.2	17	109	1	2	1	0.33	1	2	2	2	6	5	2	16	2	1	142	0.07	0.01	0.33	0.22	0.01	0.03	-1	-1	-1
S9620291	324293	10	12	38	0.2	27	109	1	3	11	1.22	1	21	2	2	22	5	2	8	3	17	99	0.24	0.01	0.89	0.06	0.01	0.06	-1	-1	-1
S9620292	324294	11	9	50	0.2	45	263	1	3	16	1.97	2	30	2	2	23	5	2	12	5	31	176	0.38	0.01	1.05	0.12	0.01	0.07	-1	-1	-1
S9619636	321929	15	9	58	0.4	29	192	1	12	132	1.78	5	202	2	8	24	4	1	31	8	10	151	1.51	0.01	0.79	0.62	0.01	0.05	-1	-1	-1
S9619637	321930	26	14	105	0.9	50	286	1	19	203	3.42	11	256	2	21	36	1	1	29	12	16	203	1.94	0.01	1.22	0.52	0.01	0.1	-1	-1	-1
S9619638	335601	3	9	17	0.2	12	328	1	1	12	0.39	5	23	2	2	6	14	1	11	1	8	31	0.19	0.01	0.67	0.19	0.01	0.03	-1	-1	-1
S9619639	335602	19	15	85	0.2	22	407	1	5	34	1.48	7	39	2	2	13	13	1	43	8	11	378	0.26	0.01	1.11	0.62	0.01	0.04	-1	-1	-1
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S9619647	335610	6	7	39	0.2	10	291	1	2	8	0.82	9	11	2	2	12	9	1	8	1	10	72	0.06	0.01	0.4	0.07	0.01	0.05	-1	-1	-1	
S9619648	335611	34	6	34	0.2	7	332	1	4	13	0.77	7	7	5	2	2	8	1	1	50	10	7	289	0.08	0.01	0.66	0.67	0.04	0.01	-1	-1	-1
S9619649	335612	33	23	93	0.2	29	351	1	6	13	1.62	8	14	2	2	14	6	1	37	12	15	404	0.17	0.01	1.07	0.44	0.01	0.06	-1	-1	-1	
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S9619652	335615	7	18	68	0.2	16	214	1	4	8	1.1	3	10	2	5	12	1	1	28	5	13	437	0.17	0.01	0.63	0.43	0.01	0.04	-1	-1	-1	
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S9619655	335618	17	11	40	0.2	26	181	1	5	41	1.96	1	51	8	11	25	4	1	13	6	11	130	0.6	0.01	0.85	0.25	0.01	0.01	-1	-1	-1	
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S9619658	335581	19	16	55	0.2	14	256	1	7	49	2.26	2	60	2	11	28	6	1	16	8	13	183	0.73	0.01	1.02	0.31	0.01	0.03	-1	-1	-1	
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S9619832	334683	27	9	124	0.2	12	90	1	8	58	2.14	3	41	2	2	11	1	1	64	7	6	495	0.57	0.01	0.73	1.58	0.01	0.1	-1	-1	-1	
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S9619834	334685	22	11	68	0.2	25	338	1	15	159	1.95	3	163	2	10	21	1	1	53	8	7	655	1.16	0.01	0.85	0.78	0.01	0.03	-1	-1	-1	
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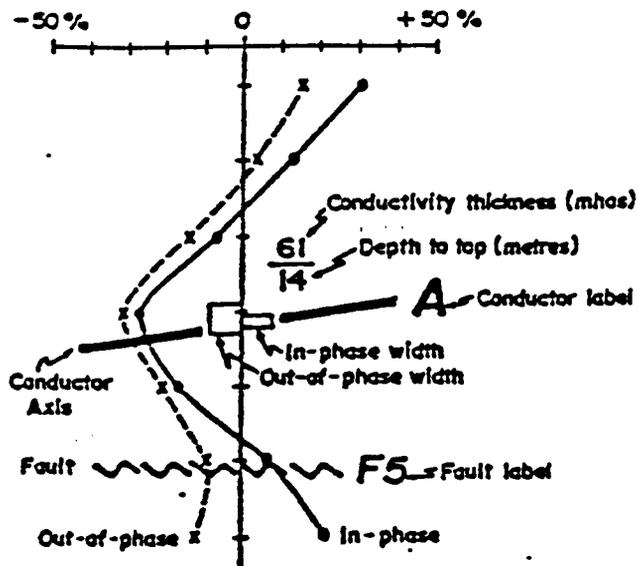
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S9619858	334710	30	6	36	0.2	2	350	1	5	150	1.22	2	91	2	2	12	1	1	47	10	10	414	0.33	0.01	0.65	0.8	0.02	0.03	-1	-1	-1
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S9619882	335554	30	16	417	0.2	42	332	4	6	27	2.04	9	27	7	2	17	1	1	119	23	29	216	0.55	0.01	1.31	1.92	0.01	0.1	5	2.5	989
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S9619887	335559	9	14	55	0.2	30	180	1	4	9	1.21	6	14	2	5	10	1	1	10	6	26	129	0.18	0.01	0.63	0.1	0.01	0.04	-1	-1	-1
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S9619889	335561	19	2	9	0.2	8	312	1	1	187	0.29	1	15	2	2	2	3	1	103	5	5	83	0.53	0.01	0.4	2.05	0.01	0.01	-1	-1	-1
S9619890	335562	6	2	3	0.2	1	240	1	1	36	0.21	1	17	2	2	1	1	1	52	2	2	14	0.09	0.01	0.3	0.78	0.01	0.02	-1	-1	-1
S9619891	335563	38	23	94	0.2	26	345	1	12	228	2.14	3	185	2	12	27	1	1	49	9	13	328	1.27	0.01	1.23	0.68	0.01	0.05	-1	-1	-1
S9619892	335564	14	9	38	0.2	25	204	1	14	136	1.71	1	140	2	10	25	1	1	12	3	9	411	1.47	0.01	0.89	0.16	0.01	0.05	-1	-1	-1
S9619893	335565	5	7	41	0.2	10	160	1	12	126	1.59	2	122	2	7	25	1	1	9	2	13	208	1.33	0.01	0.87	0.1	0.01	0.05	-1	-1	-1
S9619894	335566	16	2	45	0.2	1	249	1	11	77	1.88	1	107	2	11	28	1	1	13	3	9	312	0.8	0.01	1.08	0.18	0.01	0.06	-1	-1	-1
S9619895	335567	15	8	60	0.2	1	217	1	12	45	2.08	2	61	5	2	30	1	1	12	3	11	765	0.55	0.01	0.97	0.14	0.01	0.07	-1	-1	-1
S9619896	335568	24	9	47	0.2	1	701	1	18	23	2.2	4	29	2	5	31	1	1	11	4	9	2546	0.33	0.01	0.85	0.15	0.01	0.05	-1	-1	-1
S9619897	335569	11	11	54	0.2	1	296	1	8	27	2.22	6	42	2	8	32	1	1	10	2	9	501	0.37	0.01	0.89	0.12	0.01	0.1	-1	-1	-1
S9619898	335570	1	2	5	0.2	1	28	1	1	1	0.16	1	2	2	2	3	3	1	3	1	1	14	0.02	0.01	0.1	0.02	0.01	0.01	-1	-1	-1
S9619899	335571	4	8	25	0.4	1	171	1	1	3	0.35	2	7	6	6	4	1	1	7	1	4	37	0.03	0.01	0.26	0.05	0.01	0.03	-1	-1	-1
S9619900	335572	6	2	31	0.2	1	69	1	1	4	0.19	1	4	2	2	2	1	1	5	1	1	231	0.01	0.01	0.12	0.05	0.02	0.01	-1	-1	-1
S9619901	335573	2	2	31	0.2	1	80	1	1	2	0.08	2	2	2	2	1	1	1	41	1	1	74	0.04	0.01	0.11	0.74	0.02	0.02	-1	-1	-1
S9619902	335574	19	5	13	0.2	1	387	1	2	7	0.41	1	4	2	2	5	1	1	39	1	3	80	0.04	0.01	0.33	0.41	0.01	0.04	-1	-1	-1
S9619903	335575	102	9	77	0.2	1	393	2	1	15	0.43	2	8	2	2	2	1	1	237	22	54	146	0.26	0.01	0.55	3.38	0.01	0.03	5	7.5	1035
S9619904	335576	4	11	16	0.2	1	128	1	1	1	0.55	4	2	2	2	3	1	1	6	9	28	32	0.04	0.01	0.26	0.04	0.01	0.01	-1	-1	-1
S9619905	335577	18	19	84	0.2	1	407	1	3	17	1.46	14	14	2	2	9	1	1	120	116	199	210	0.26	0.01	1.46	1.3	0.01	0.09	-1	-1	-1
S9619906	335578	14	13	34	0.2	19	255	1	3	14	1.1	9	11	2	2	7	1	1	103	41	76	226	0.21	0.01	0.91	1.48	0.01	0.06	-1	-1	-1
S9619907	335579	16	2	22	1.3	1	321	2	2	12	0.41	1	5	6	2	4	1	1	283	15	24	359	0.23	0.01	0.34	4.69	0.01	0.02	-1	-1	562
S9620134	327394	28	6	81	0.2	20	149	1	11	38	3.06	1	50	2	2	24	5	2	14	1	26	340	0.37	0.01	0.72	0.18	0.01	0.05	-1	-1	-1
S9620135	327395	4	4	37	0.2	5	160	1	2	11	1.23	1	25	2	2	12	5	2	12	1	29	154	0.16	0.01	0.5	0.2	0.01	0.08	-1	-1	-1
S9620136	327396	24	19	177	0.2	18	203	1	7	44	2.33	1	42	2	2	26	5	2	31	1	18	344	0.42	0.01	0.87	0.82	0.01	0.11	-1	-1	-1
S9620137	327397	23	17	159	0.4	30	229	1	7	42	2.32	1	41	2	2	8	5	3	42	2	25	990	0.18	0.01	0.74	1.07	0.01	0.11	-1	-1	-1
S9620138	327398	10	13	505	0.2	27	115	1	10	49	2.31	1	88	2	2	25	5	2	11	1	41	338	0.31	0.01	0.63	0.22	0.01	0.15	18	6.4	1189
S9620139	327399	21	32	394	0.2	53	182	2	23	165	2.75	1	186	2	2	27	5	2	31	3	14	644	1.75	0.01	0.94	0.91	0.01	0.12	5	10	1078
S9620140	327400	42	20	502	0.5	34	451	1	12	97	2.45	1	93	2	2	44	5	2	42	1	13	708	0.56	0.01	1.16	1.02	0.01	0.13	5	10	1567
S9620141	327401	19	10	58	0.2	27	315	1	6	46	1.23	1	69	2	2	19	5	2	40	4	9	468	0.32	0.01	0.61	0.77	0.01	0.07	-1	-1	-1
S9620142	327402	19	20	99	0.4	39	261	1	13	74	2.33	3	53	2	2	29	5	2	17	8	23	349	0.64	0.01	0.76	0.38	0.01	0.07	-1	-1	-1
S9620143	327403	16	11	138	0.2	30	291	1	10	73	2.23	1	77	2	2	33	5	2	25	2	20	414	0.72	0.01	0.93	0.45	0.01	0.06	-1	-1	-1
S9620145	327405	20	27	66	0.2	73	261	1	27	244	2.28	1	252	2	8	31	5	5	14	4	18	531	2.04	0.01	1.12	0.17	0.01	0.05	5	10	1247
S9620146	327406	28	34	100	0.2	56	338	1	23	263	1.67	1	252	2	14	38	5	2	17	2	22	191	2.35	0.01	1.14	0.27	0.01	0.06	5	10	1457
S9620147	327407	23	35	81	0.2	88	274	1	26	255	2.54	1	340	2	12	38	5	2	14	2	22	512	2.49	0.01	1.13	0.23	0.01	0.06	17	10	1334
S9620148	327408	13	22	75	0.4	84	228	1	17	184	2.19	2	276	2	12	32	5	4	13	3	17	521	1.91	0.01	1.13	0.17	0.01	0.06	5	10	1206
S9620149	327412	17	15	73	0.5	41	115	1	17	107	3.49	1	123	2	2	58	5	2													

S9620152	327415	37	20	84	0.2	35	86	1	16	70	3.05	1	47	2	2	30	5	2	17	3	19	570	0.64	0.02	0.93	0.25	0.01	0.07	-1	-1	-1
S9620153	327416	28	26	84	0.2	71	161	1	17	180	3.85	2	123	2	2	25	5	2	19	3	44	1013	0.69	0.01	0.67	0.16	0.01	0.11	-1	-1	-1
S9620155	327418	21	18	70	0.4	26	105	1	18	120	2.81	1	195	2	2	43	5	2	12	1	14	394	1.16	0.03	0.98	0.16	0.01	0.05	-1	-1	-1
S9620156	327419	19	15	98	0.2	26	193	1	13	93	2.42	1	147	2	2	44	5	2	12	1	15	326	0.95	0.02	0.95	0.14	0.01	0.05	-1	-1	-1
S9620157	327420	33	39	108	0.5	53	530	1	9	193	2.47	1	130	2	2	26	5	2	48	1	16	529	0.85	0.01	1.12	0.78	0.01	0.09	-1	-1	-1
S9620158	327421	27	30	86	0.5	49	411	1	13	195	2.24	1	166	2	5	31	5	2	42	3	17	519	0.92	0.01	1.19	0.56	0.01	0.07	-1	-1	-1
S9620159	327422	12	16	70	0.2	24	107	1	8	66	2.91	1	114	2	2	46	5	2	7	4	22	239	0.66	0.03	0.91	0.06	0.01	0.06	-1	-1	-1
S9620161	327424	29	28	85	0.2	46	441	1	23	363	3.17	1	273	2	2	41	5	2	34	2	16	1729	1.43	0.01	1.32	0.63	0.01	0.07	-1	-1	-1
S9620162	327425	27	27	71	0.5	44	259	1	13	320	2.04	2	257	2	8	27	5	4	38	2	11	287	1.84	0.01	1.01	0.75	0.01	0.09	-1	-1	-1
S9620163	327426	18	22	48	0.2	48	123	1	27	358	2.57	2	325	2	11	34	5	3	15	6	17	454	3.3	0.03	0.81	0.22	0.01	0.07	-1	-1	-1
S9620164	327427	14	25	44	0.2	27	206	1	8	135	1.37	2	157	2	2	17	5	3	27	5	12	339	0.96	0.01	0.8	0.42	0.01	0.23	-1	-1	-1
S9620165	327428	10	25	52	0.2	31	117	1	12	115	2.67	3	220	2	2	52	5	2	8	1	18	224	1.2	0.04	0.92	0.1	0.01	0.06	-1	-1	-1
S9620166	327429	20	16	33	0.4	34	323	1	14	99	1.76	1	176	2	2	27	5	2	47	3	11	514	0.72	0.01	0.92	0.82	0.01	0.06	-1	-1	-1
S9620167	327430	26	16	73	0.2	42	160	1	12	126	2.81	3	226	2	2	55	5	2	14	4	13	301	0.86	0.04	0.72	0.14	0.01	0.07	-1	-1	-1
S9620168	327431	23	13	66	0.2	24	124	1	12	131	2.51	2	173	2	5	52	5	2	14	3	12	250	1.2	0.03	1.04	0.14	0.01	0.06	-1	-1	-1
S9620169	327432	36	34	102	0.5	36	300	1	16	172	3.22	2	183	2	2	42	5	2	41	2	24	511	1.08	0.01	1.65	0.83	0.01	0.1	-1	-1	-1
S9620170	327433	15	6	34	0.4	9	161	1	3	50	0.79	1	80	2	2	12	5	2	25	2	4	150	0.24	0.01	0.52	0.46	0.01	0.06	-1	-1	-1
S9620171	327434	53	13	35	0.8	35	405	1	6	129	1.4	2	142	2	2	22	5	2	45	1	16	421	0.31	0.01	0.85	0.65	0.01	0.05	-1	-1	-1
S9620172	327435	24	27	59	0.2	34	103	1	14	161	2.62	1	205	2	2	47	5	2	12	2	10	316	1.5	0.03	1.02	0.15	0.01	0.05	-1	-1	-1
S9620173	327436	36	18	72	0.4	74	237	1	27	471	2.55	2	282	2	5	44	5	2	36	1	8	598	3.19	0.02	1.3	0.68	0.01	0.05	-1	-1	-1
S9620175	327438	30	26	97	0.2	62	362	1	27	156	3.33	2	258	2	2	48	5	2	31	5	14	742	1.05	0.02	1.07	0.47	0.01	0.08	-1	-1	-1
S9620176	327439	48	34	120	0.4	51	407	1	19	256	3.51	1	242	2	2	66	5	2	66	1	15	390	1.78	0.04	1.72	1.28	0.01	0.06	-1	-1	-1
S9620177	327440	8	13	43	0.2	21	81	1	5	41	1.74	2	113	2	2	53	5	2	6	4	19	155	0.47	0.05	0.67	0.05	0.01	0.05	-1	-1	-1
S9620178	327441	49	40	84	0.2	52	234	1	36	541	3.24	1	309	2	5	56	5	4	28	1	14	617	3.93	0.04	1.38	0.52	0.01	0.1	-1	-1	-1
S9620179	327442	42	25	67	0.2	52	191	1	33	565	3.37	1	411	2	2	56	5	2	17	3	12	540	4.46	0.05	1.29	0.31	0.01	0.05	-1	-1	-1
S9620181	327444	40	13	66	0.6	34	472	1	20	200	2.42	1	192	2	2	44	5	2	38	2	12	533	1.37	0.02	1.25	0.58	0.01	0.08	-1	-1	-1
S9620182	327445	49	23	89	0.6	45	551	1	19	296	2.33	1	267	2	2	52	5	2	40	5	16	289	2.44	0.04	1.34	0.5	0.01	0.08	-1	-1	-1
ANALYTICAL METHODS :																															
ICP PACKAGE : 0.5 gram sample digested in hot reverse aqua regia (soil, silt) or hot Aqua Regia (rocks)																															

APPENDIX III

HORIZONTAL LOOP EM INTERPRETATION LEGEND

HORIZONTAL LOOP EM INTERPRETATION LEGEND



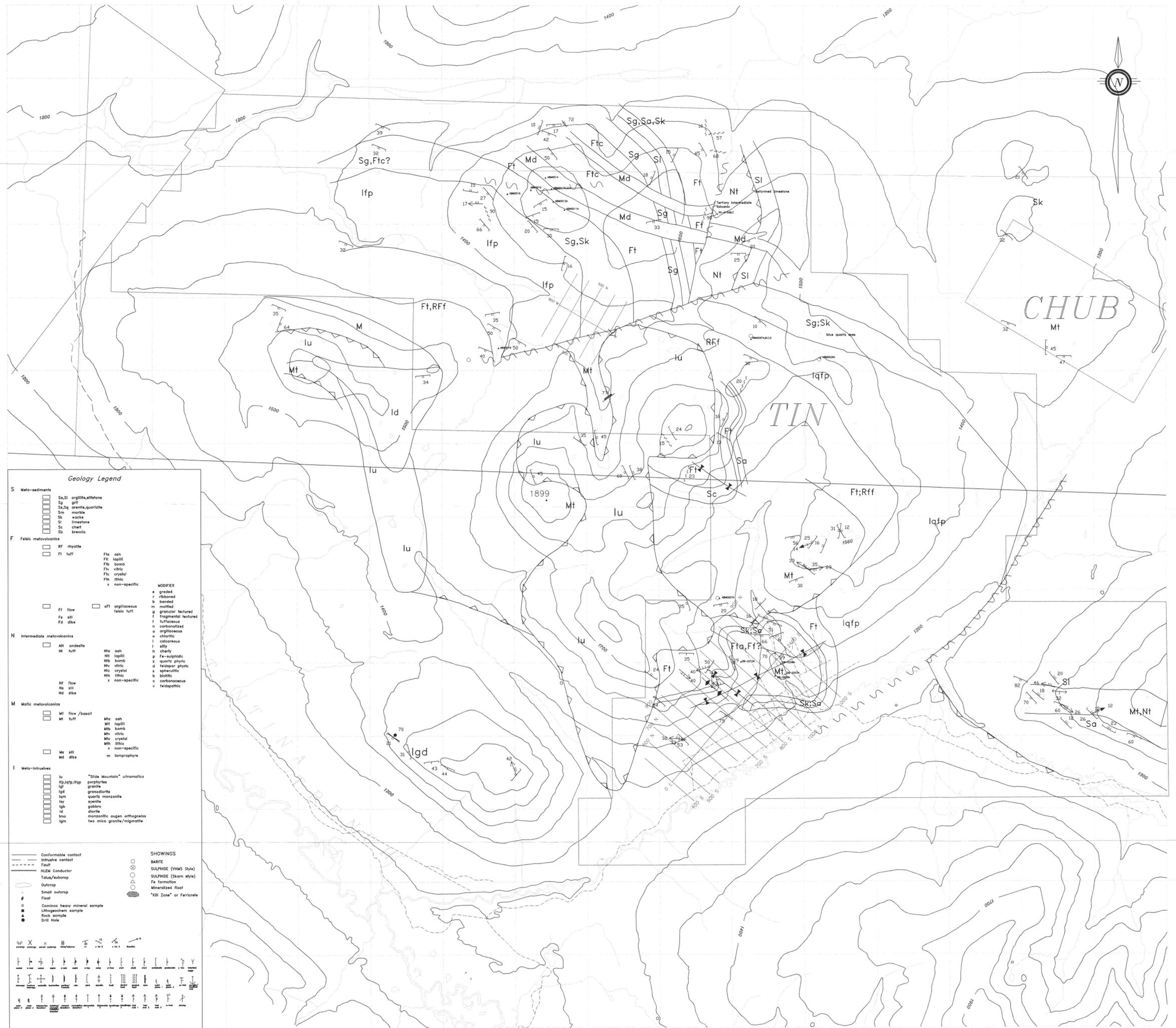
APPENDIX IV
STATEMENTS OF EXPENDITURES

TIN PROPERTY

<u>EXPENDITURE ITEM</u>	<u>COST \$</u>
GEOLOGY STAFF COSTS	4,476
GEOCHEMISTRY STAFF COSTS	2,100
PROSPECTING STAFF COSTS	3,400
DOMICILE	4,060
GEOCHEMICAL ANALYSES	10,830
LINECUTTING	23,485
GROUND GEOPHYSICAL SURVEYS	6,948
AIRBORNE GEOPHYSICAL SURVEYS (report submitted previously)	48,000
HELICOPTER	12,220
TOTAL	86,419 67,519

CHUB PROPERTY

<u>EXPENDITURE ITEM</u>	<u>COST \$</u>
GEOLOGY STAFF COSTS	375
DOMICILE	125
HELICOPTER	130
TOTAL	630



Geology Legend

S Meta-sediments

□	Sa,Sl	argillite,allstone
□	Sg	gill
□	Sa,Sa	arenite,quartzite
□	Sm	marble
□	Sk	wacke
□	Sl	limestone
□	Sc	chert
□	Sb	breccia

F Felsic metatolconics

□	Rf	rhyolite
□	Ft	tuff
□	Ft	flow
□	Fs	sill
□	Fd	dike

N Intermediate metatolconics

□	AN	andesite
□	Nt	tuff
□	Nf	flow
□	Ns	sill
□	Nd	dike

M Mafic metatolconics

□	Mf	flow/basalt
□	Mt	tuff
□	Ms	sill
□	Md	dike

I Meta-intrusives

□	lu	"Silice Mountain" ultramafics
□	lfp,lfp,lfp	porphyries
□	lg	granite
□	lgd	granodiorite
□	lqm	quartz monzonite
□	lq	syenite
□	lgb	gabro
□	ld	diorite
□	lmo	monzonitic gneiss orthogneiss
□	lgn	two mica granite/migmatite

MODIFIER

a	graded
r	ribbed
b	banded
m	mottled
g	granular textured
f	fragmental textured
h	hydrofucous
n	carbonatized
a	argillaceous
o	chloritic
l	calcareous
i	silty
h	cherty
p	Fe-sulphidic
z	quartz phytic
d	feldspar phytic
s	sphaerulitic
b	biotitic
c	carbonaceous
v	feldspathic

SHOWINGS

—	Conformable contact
—	Intrusive contact
- - - -	Fault
—	H/E/M Conductor
—	Talus/subcrop
○	Outcrop
○	Small outcrop
○	Float
○	Cominco heavy mineral sample
○	Lithopneum sample
○	Rock sample
○	Drill Hole

BARITE

SULPHIDE (VIMS Style)

SULPHIDE (Skem style)

Fe formation

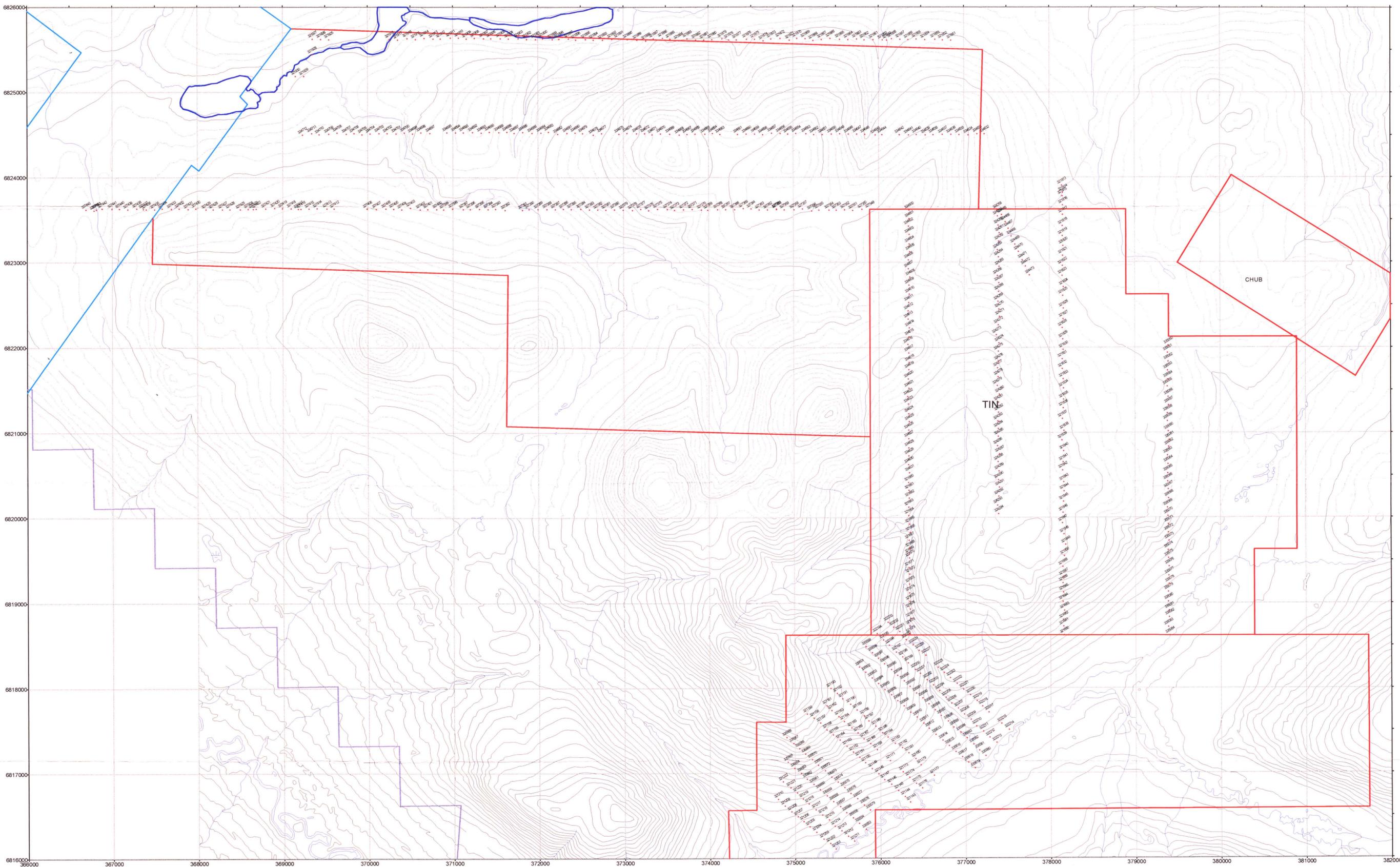
Miscellaneous float

"Kill Zone" or Ferticrete

NOTE: COORDINATES ARE NAD27

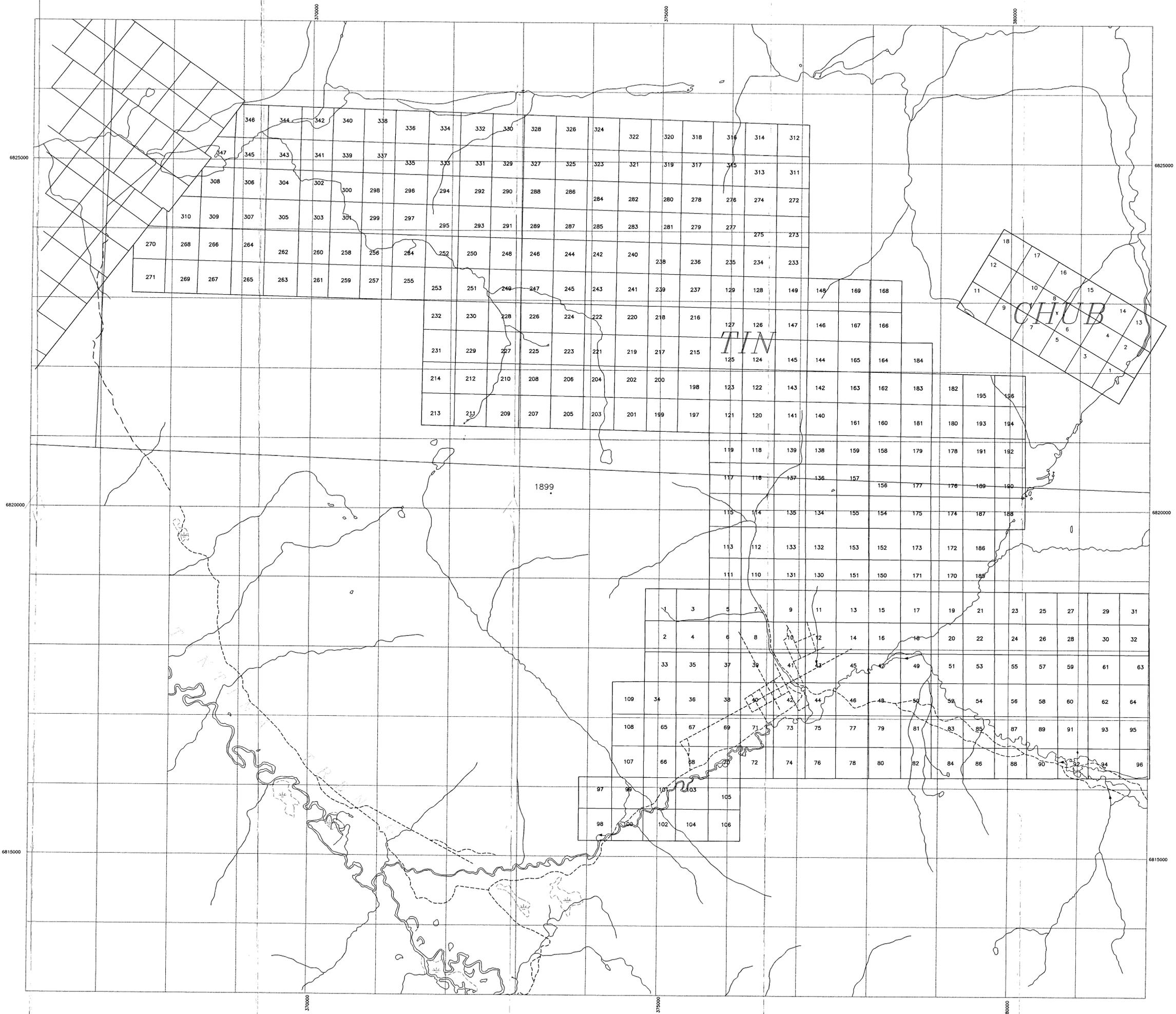
093717
 scale: 1:20,000
 0 200 400 600 800 1000
 metres
 DWG#1

TIN PROPERTY	
Drawn by:	Traced by:
Revised by:	Date:
GEOLOGY MAP	
SCALE: 1:20,000 DATE: June, 1997 PLATE NO: 3	

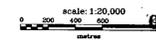


N.T.S. 105 G7, G11

TIN and CHUBB PROPERTIES		
Drawn by: DGV	Traced by:	
Revised by:	Date:	Acad file:
Geochem Sample Locations 093717		
SCALE: 1:20,000	DATE: JUNE 5/97	PLATE NO: FIG. 4



1:22,850
270,660



93717
DWG#3

N.T.S. 105G/6

TIN PROPERTY

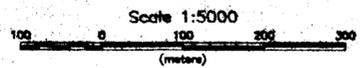
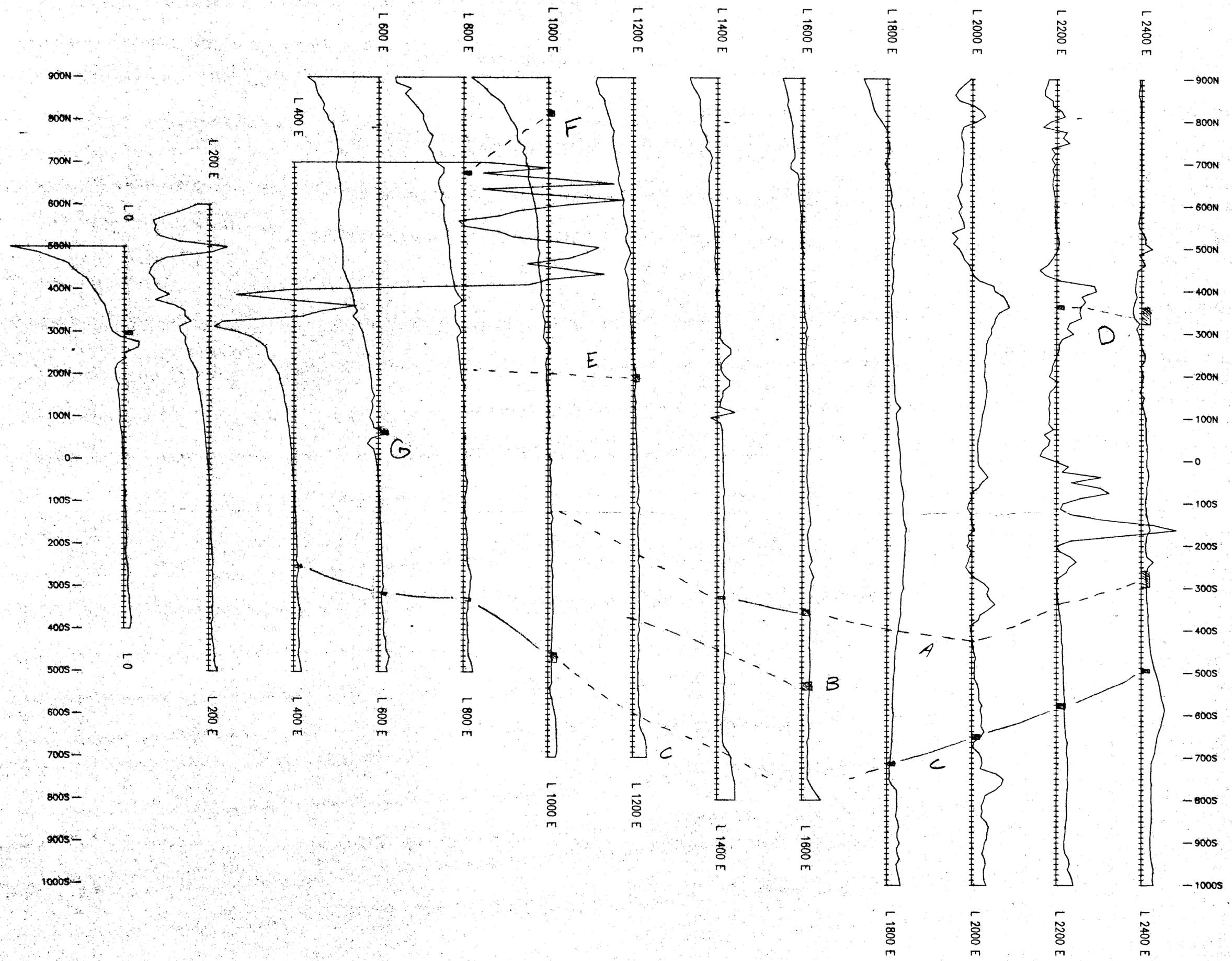
Drawn by:	Traced by:
Revised by:	And No. TIN CLAIM
Date:	

CLAIM MAP
DIAND - YUKON REGION, LIBRARY

SCALE 1:20,000 DATE: June, 1997 PLATE NO. 2

WATSON LAKE MINING DISTRICT

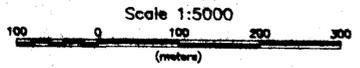
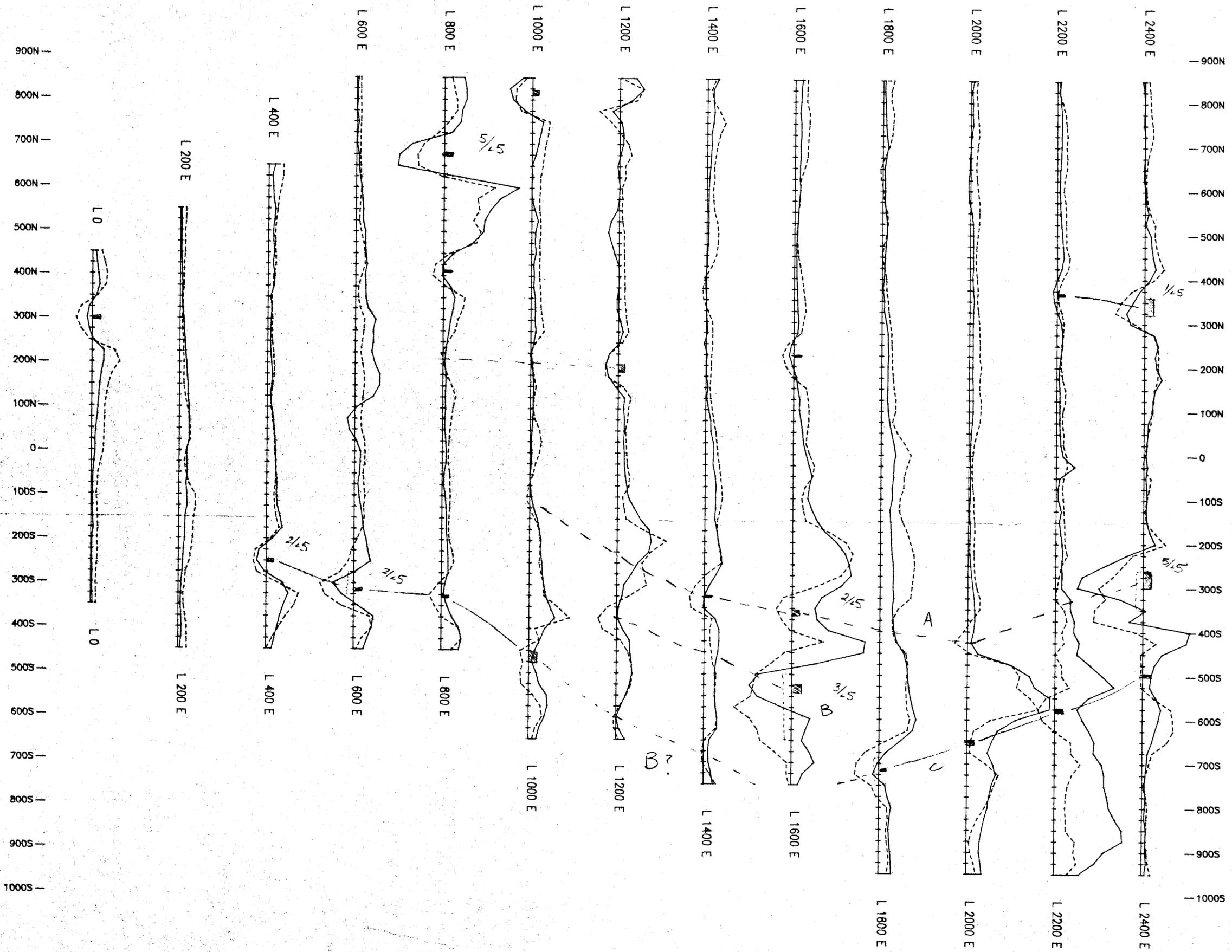
NOTE: COORDINATES ARE NAD27



Vert. Scale
1cm = 200nT
MAGNETIC BASE = 58000 nT

DIAND - YUKON REGION, LIBRARY
093717
DWG #4
017-7-3660

COMINCO EXPLORATION			
PELLY MOUNTAIN PROPERTIES			
TIN GRID			
TOTAL FIELD MAGNETICS SURVEY			
Drawn by:	Traced by:		
Checked by:	Reviewed by:		



VERTICAL SCALE:
1cm = 20 %

OUT OF PHASE - - - -
IN PHASE - - - -

093717
DWG#5
0117-73660

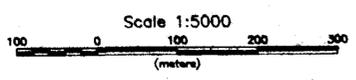
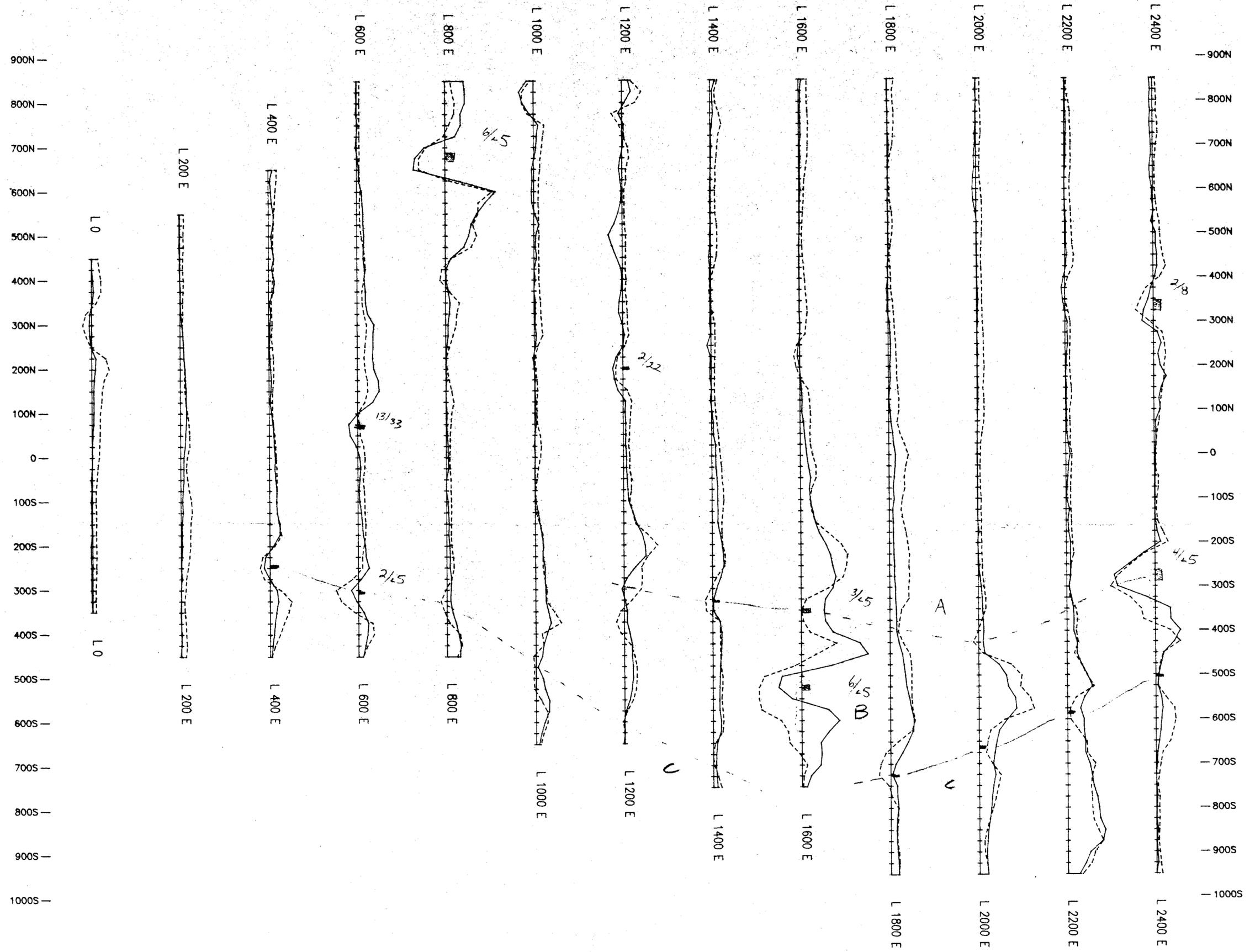
DIAND - YUKON REGION, LIBRARY

COMINCO EXPLORATION

Drawn by:	Traced by:
Revised by:	Revised by:
Date:	Date:

PELLY MOUNTAIN PROPERTIES
TIN GRID
HLEM SURVEY: 3520 HZ, 100 M C. S.

Scale: as shown Date: JUN. 1998 Plate: 50

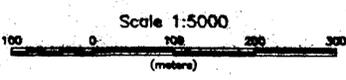
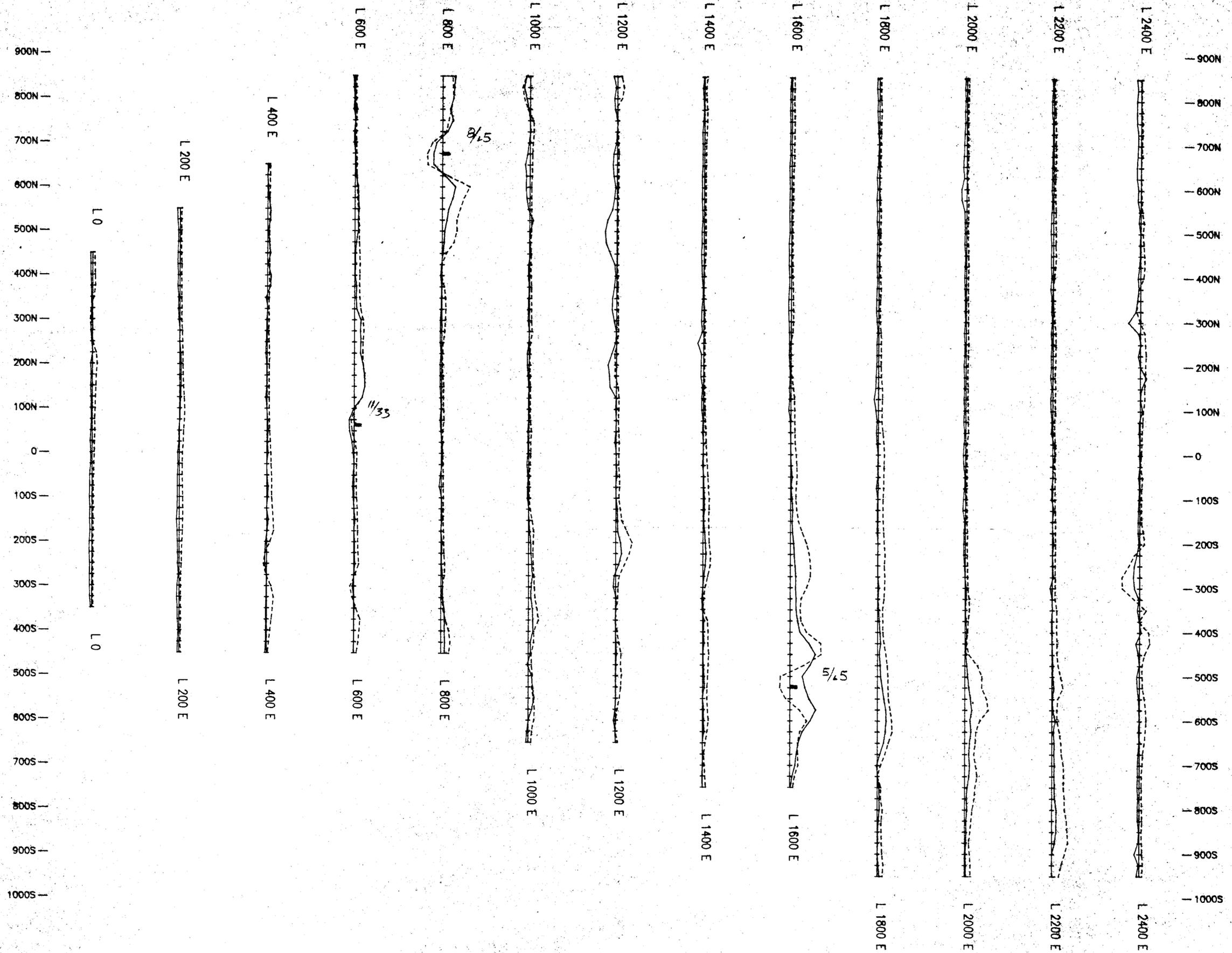


VERTICAL SCALE:
1cm = 20 m

OUT OF PHASE - - - -
IN PHASE - - - -

093717
DWG#46

COMINCO EXPLORATION					
PELLY MOUNTAIN PROPERTIES					
TIN GRID				HLEM SURVEY: 1760 HZ, 100 M C. S.	
Drawn by:	Traced by:	Scale: as shown	Date: JUN. 1996	Plate: 5b	
Revised by:	Date:	Revised by:	Date:		



VERTICAL SCALE:
1cm = 20 %

OUT OF PHASE

093717
DIAND - YUKON REGION, LIBRARY
DWG # 7
0119-73160

COMINCO EXPLORATION			
PELLY MOUNTAIN PROPERTIES			
TIN GRID			
HELM SURVEY 440 N7 100 U.C.S.			
Drawn by:	Traced by:		
Revised by:	Revised by:		