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CSR LIMITED - ALUMINIUM,  
MINERALS AND CHEMICALS DIVISION  
EXPLORATION GROUP

FINAL REPORT - 1982-1983  
EXPLORATION LICENCE 11/78  
GEORGE RIVER  
NORTHEAST TASMANIA

EMR 60/83

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KEYWORDS

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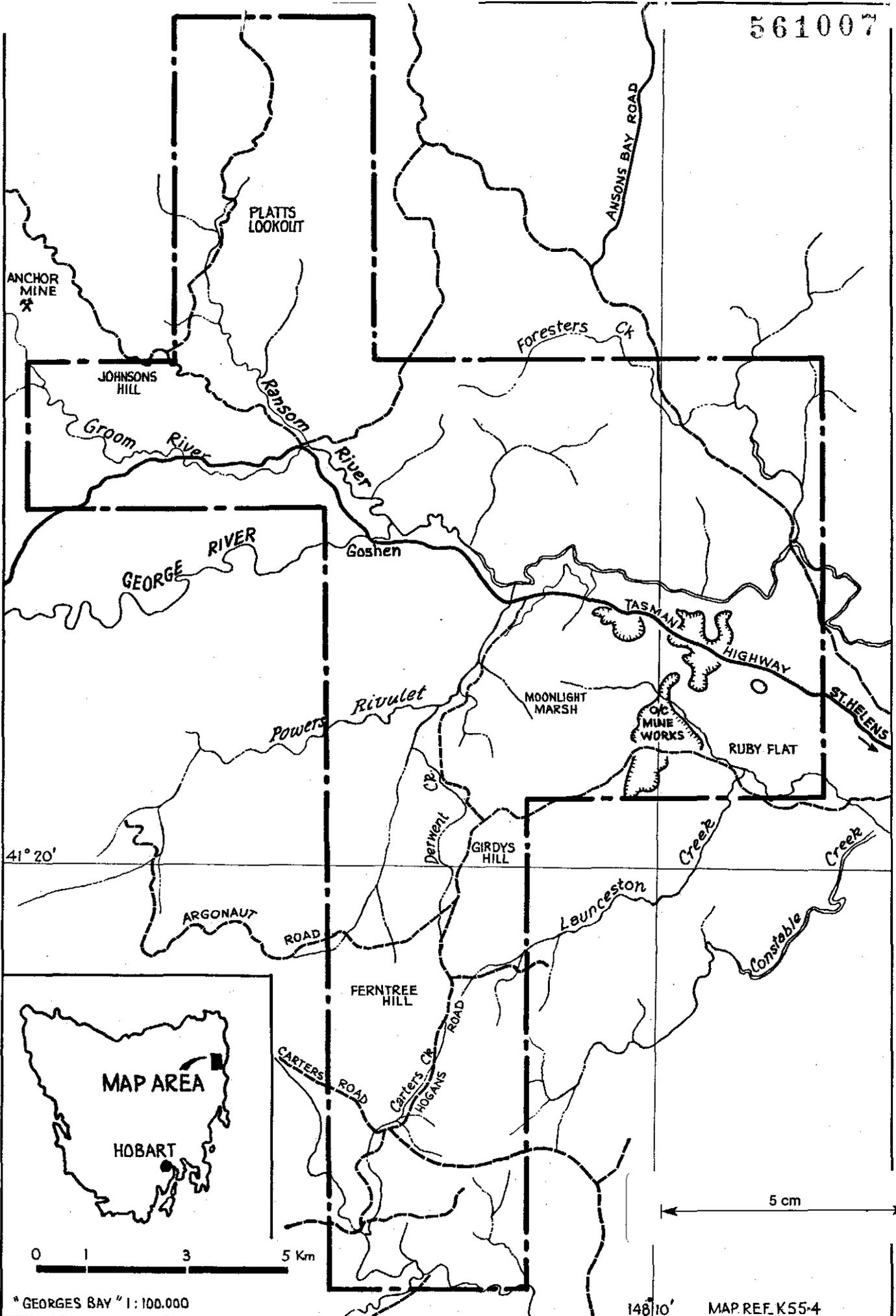


FIG.1 LOCATION MAP E.L. 11/78 GEORGES RIVER, TASMANIA

## 1. INTRODUCTION

Exploration Licence 11/78 (E.L. 11/78) was granted to CSR Limited on 15 September, 1978. The Licence originally covered an area of 303 km<sup>2</sup> immediately west of St. Helens in northeastern Tasmania. The Licence stretched from St. Helens (east) to Pyengana (west) and from Griffiths Marsh (north) to Upper Scamander (south) (Figure 1).

The area was thought to include tin mineralisation from Tertiary and younger alluvials, and disseminated and lode tin possibilities. The area was also known to contain small deposits of gold, copper, lead, zinc, silver, tungsten and molybdenum.

Since 1978, CSR has been conducting an exploration program to evaluate E.L. 11/78. Results of the general exploration over the Licence in the 1978/79, 1979/80, 1981 and 1982 programs were documented by Hall (1979), Williams (1980) and Ellis (1981a, 1982) respectively. The results of the 1981 program led to reduction of the Licence to an area of 176 km<sup>2</sup>. A summary of the work completed in the two relinquished sub-areas of the original Licence has been reported (Ellis, 1981b).

During 1982 regional exploration continued. Exploration of several anomalies defined by earlier investigations was also undertaken. This report summarises the results of the regional work and the detailed investigation of the Forester Creek and Ferntree Hill areas.

2. SUMMARY

Regional drainage, soil and rock sampling in untested areas failed to locate any geochemical anomalies. This sampling did confirm the known anomalies at Forester Creek, Ferntree Hill, Johnson's Hill/Sweets Hill, Priory Mine and the alluvial tin areas.

Percussion drilling and outcrop mapping in the Ferntree Hill area showed the tin anomaly was related to a series of tin-rich tourmaline and greisen veins, possibly related to an alkali feldspar granite intrusion.

Gravity, magnetic and scintillometer surveys in the Forester Creek area showed a geological change adjacent to the geochemical anomaly. A western limit to the anomalies has been defined. To the east of the anomalies, alkali feldspar granite has been observed. The tin anomaly may be caused by veins originating from an alkali feldspar granite intrusion similar to the Anchor Mine deposit.

Drainage sampling confirmed the Johnson's Hill/Sweets Hill area as anomalous in tin. Rock and soil sampling failed to confirm earlier 3,000 ppm Cu anomalies.

CSR's investigations have shown that there is little potential for discovery of economic deposits, and the Licence was surrendered accordingly.

### 3. LOCATION AND ACCESS

E.L. 11/78 is situated in northeastern Tasmania. Its eastern boundary is 3 km west of St. Helens along the sealed Tasman Highway (Figure 1). Other roads within the Licence are variable graded gravel or dirt roads, which provide vehicle access to all parts of the Licence including the various prospects.

The divide between the northward draining Derwent Creek and the southward flowing Carters Creek is known as Ferntree Hill. Access to this area, 16 km southeast of St. Helens, is via the minor gravel road (Hogans Road) to Fingal (Drawing No. K554-6).

The Forester Creek area is about 12 km northwest of St. Helens along the Ansons Bay Road. This road is sealed for the 7 km from St. Helens to Priory, and then continues as a wide, graded gravel road. About 5 km northwest of Priory, the road crosses Forester Creek (a tributary of the Littlechild River). The anomalous area lies to the west of Forester Creek, approximately 200 m upstream of the Ansons Bay Road bridge.

The Johnson's Hill/Sweets Hill area (in the west of the Licence) is bordered by the Tasman Highway (south), Anchor Road (west) and Lottah Road (northeast). Access to the 12 km<sup>2</sup> area enclosed by these roads is by foot or the Anderson Creek farm track.

Air photograph anomaly zones at Giridy's Hill, Riley's Hill and Ruby Creek are reached by short walks from the Argonaut Road.

Apart from small areas of privately owned grazing land, most of the tenement is covered by open eucalypt forests with local dense undergrowth or open button-grass patches. Minor thick regrowth occurs along some drainages.

#### 4. EXPLORATION CONCEPTS

When the application for E.L. 11/78 was made, it was conceived that the area may contain zones of alluvial, eluvial and primary tin, molybdenum and tungsten vein stockworks, copper/silver/lead/zinc sulphide type deposits and/or gold and silver rich lodes and veins.

Few sources of primary tin have been documented within E.L. 11/78. However, several areas of alluvial tin workings suggest primary tin source occurrences. Two types of primary cassiterite occur in the district - quartz/cassiterite vein stockworks such as the Great Pyramid area of veins in Mathinna Beds, and greisen cupolas at the crown of late-stage granitic intrusions (Anchor Style). This latter style primary cassiterite deposit was the main target in the Licence.

Small veins of molybdenum and tungsten occur in the district.

Minor deposits of copper, silver, lead and zinc have been worked within the Licence and elsewhere in the Scamander Mineral District.

Minor gold vein workings within and to the west of E.L. 11/78 are not considered economically significant.

## 5. GEOLOGY

Within E.L. 11/78 the oldest rocks are the Ordovician-Devonian sequence of poorly sorted argillaceous sandstones, coarse siltstones and minor fine siltstones and shales known as the Mathinna Beds (DRG No. K554-6). This sequence has been subjected to low-grade regional metamorphism and folding during the Tabberaberan Orogeny. Resulting major folds have axial strikes of  $150^{\circ}$ . Minor small-scale folding is also present.

Granites of the Blue Tier Batholith passively intruded this folded sequence, resulting in contact metamorphic aureoles containing some tin, copper, tungsten, silver and lead mineralisation. These Upper Devonian intrusions contain many distinct phases. Early injections of hornblende granodiorites resulted in the Gardens, St. Helens and Pyengana Plutons. A series of dominantly coarse-grained biotite adamellite injections form the Poimena and Mt. Pierson Plutons. These early adamellites appear to be significantly coarser than the later adamellite intrusions. Final late-stage intrusions consisted of biotite-muscovite alkali feldspar granites and aplite dykes. These alkali feldspar granites are the only tin-rich granite rocks known in the area. Tin concentrations occur at the crown of these late-stage intrusions in topaz-muscovite rich greisenised cupolas.

Groves (1955) suggested the tin-rich granites (at the Anchor Mine) occurred as late-stage, sheet-like differentiates/intrusions of which only remnants remained or outcropped. E.L. 11/78 was shown to contain several of these bodies (Lottah Sheets and Constable Creek Pluton). Recent detailed mapping by the Tasmanian Department of Mines has shown most of the "Lottah Sheets" to be fine to medium-grained, equigranular biotite or biotite-muscovite adamellites with the tin mineralisation at the Anchor Mine being related to small late-stage, plug-like intrusions of alkali feldspar

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granites. Mapping has shown the Constable Creek Pluton does not occur within E.L. 11/78. Rather, the medium to coarse biotite adamellite of the Mt. Pierson Pluton extends south of Ferntree Hill to beyond the southern boundary of the Licence. This is separated from the Constable Creek Pluton (to the east) by a large intrusion of hard, massive, coarse-grained adamellite.

CSR mapping has failed to locate any further outcrops of alkali feldspar granite within the E.L., but several areas of granitic rocks containing veins of greisen, cassiterite, tourmaline, topaz or fluorite may indicate the presence of an alkali feldspar granite intrusion up to 100 m below the surface.

## 6. REGIONAL EXPLORATION

### 6.1 Past Mining Activity

The Mangana-Mathinna gold field was discovered in 1852 and worked until about 1920. During this time 527,000 fine ounces of gold were produced, mainly from quartz/gold reefs.

The decline in gold mining activity was followed by the discovery of alluvial tin deposits in many northeastern Tasmanian rivers. Alluvial tin workings often led to hard rock tin discoveries, particularly in the Blue Tier area (northwestern edge of E.L. 11/78). Tin mining continued until 1951, although only on a small scale after 1935.

During the tin mining era, the copper, silver, tungsten and tin-rich Scamander Mineral District (southeast of E.L. 11/78) was investigated and small scale workings developed.

### 6.2 Past Exploration

#### 6.2.1 Pre-CSR Exploration

Exploration paralleled the mining activity but, except for the Mt. Lyell Mining and Railway Company which investigated the Blue Tier tinfield, exploration until the early 20th Century was by individual prospectors. Between 1910 and 1956 only the Tasmanian Department of Mines was active in the area. In 1956 they were joined by larger exploration companies, including:

- .. Rio Tinto Zinc Corporation (1956-58) - Scamander Mineral Field and Blue Tier Granite,
- .. Broken Hill Pty. Co. Ltd. (1960's-1980's) - Scamander Mineral Field,

- .. Austminex (1960's) - Scamander Mineral Field and Blue Tier Granite,
- .. Utah Development Co. (1963-1966) - alluvial tin areas,
- .. Aberfoyle Development Co. (mid-1960's) - Scamander Mineral Field and Blue Tier Granite,
- .. Texins Development Pty. Ltd. (Geophoto) (1968-1970) - Scamander to Mt. Cameron.

This work has been summarised by Mortimer (1974). The exploration ranged from grass-roots blanket geochemistry, through detailed geological mapping, gravity, electromagnetic, induced polarisation and air photograph analysis, to exploratory diamond drilling.

Prior to the 1968-74 Geophoto Resources Consultants' investigations of the St. Helens area, most exploration was not in the E.L. 11/78 area or was only of a reconnaissance nature.

Geophoto extended the Austminex systematic drainage sampling program over the E.L. 11/78 area testing for tin, tungsten, molybdenum, copper, zinc and arsenic mineralisation. A strong anomaly was located in the Upper Scamander area of E.L. 11/78. Follow-up work of this anomaly resulted in the development of the Copper Show Creek and Upper Scamander copper prospects. Gridding, mapping and sediment, soil and rock sampling of the Copper Show Creek prospect showed only low tonnage, low-grade, fissure-type sulphide mineralisation. Detailed drainage and soil sampling, gridding, mapping, I.P. traverses and two diamond drill holes at the Upper Scamander copper prospect were inconclusive.

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The aerial distribution of radioactive  $\text{Th}^{208}$ ,  $\text{K}^{40}$ , and  $\text{Bi}^{214}$  were determined by Geophoto in an airborne spectrometer survey. This differentiated between the "tin" granites and tin-poor granites. Several anomalies (O and U) were within the area of E.L. 11/78.

Geophoto attempted a digital geofracture analysis. Although several areas of possible interest were located, field observations did not confirm the analysis.

Geophoto allowed E.L. 6/68 to lapse in February 1974. CSR Limited re-pegged part of this area which was granted as E.L. 11/78 on 15 September, 1978.

#### 6.2.2 CSR Exploration

After a review of all previous exploration data, CSR undertook orientation survey around the Priory Mine (tin veins in granite) and throughout the Wolfram Creek area (Mathinna Beds hosted tin, tungsten and molybdenum mineralisation). Results were recorded by Hall (1979).

The old alluvial workings of the St. Helens area were evaluated. Hall (1979) suggested the area known as Thureau's Lead, between the Boggy Creek workings and Derwent Creek, had significant economic potential. Although Williams (1980) downgraded the potential of this area (and of Thureau's Lead in general) it is believed there still remains possibilities for an economic alluvial tin discovery (Ellis, 1981a).

Areas of Mathinna Beds outcrop were further investigated. Geochemical anomalies located by Geophoto in the Haley's Creek area (Copper Show Creek and Upper Scamander Copper prospects) were confirmed and enlarged.

Although these anomalies have not been explained, the potential for economic mineralisation in this area is thought to be slim. Structural anomalies in the Hogan's Track area were downgraded when no associated geochemical anomalies were observed. Mathinna Beds roof-pendants in the granite at Goshen and Pyengana were likewise downgraded when only minor geochemical anomalies were located.

Areas supposedly containing blocks of the tin-bearing Lottah Granite Sheet were investigated. One such area, Johnson's Hill/Sweets Hill, was found to have several hard rock workings and anomalous geochemistry. No anomalies were noted in the Platts Lookout area.

Recent mapping (McClenaghan and Williams, 1981) has suggested the "Lottah Sheet" concept (Groves, 1977) to be invalid. Rather a series of late-stage, tin-bearing granitic intrusions into the earlier batholiths seems more realistic. Within these late-stage intrusions the tin is associated with greisenised cupolas.

A study of the areas adjacent to streams previously worked for alluvial tin located several zones with anomalous soil and rock chip geochemistry (Hall, 1979). Several areas of quartz/tourmaline and quartz/aplite veining and greisens were located. Studies of two such alteration zones showed one (Ferntree Hill) to have associated anomalous tin values while the other (Clio Hill) had no anomalous soil or rock geochemistry. A 20 m diameter pipe-like outcrop of siliceous material with tourmalinised microgranite and quartz tourmaline veins (up to 30 ppm Sn in rock chips) showed coarse cassiterite in some soil samples around Copplestone Hill.

Regional drainage sampling in areas of reputedly tin-poor granites located several tin anomalies. Re-sampling of these anomalous streams showed one high anomalous tin stream result in a tributary of Forester Creek.

### 6.3 Current Exploration

Colour air photographs (scale 1:20,000) were examined in order to determine the extent of greisenous zones within the granites in E.L. 11/78. The Ferntree Hill and Clio Hill greisens provided orientation for study of the textural and tonal characteristics of greisens.

Once located, anomalous and/or likely areas for greisens were traversed and sampled (rock chip or soil). During this program several traverses were completed across granitic areas which showed no air photograph anomalies (DRG No. K554-3). All samples collected were analysed. Rock samples were examined briefly in hand specimens before selected samples were thin sectioned and petrographically examined.

Drainage sampling was undertaken in:

- (i) streams not previously sampled by CSR,
- (ii) streams in which cassiterite grains were identified in the heavy mineral sample fraction but not reflected in analyses of normal drainage samples,
- (iii) streams draining old "hard rock" tin deposits.

All samples were dried, screened at 20 and 80 mesh and analysed.

Areas of anomalous drainage and/or rock chip geochemistry were further investigated by soil geochemistry.

#### 6.4 Results

The examination of air photographs showed four zones of possible greisen occurrence and/or anomalous features (Ellis, 1981a). Most were in the southern half of the Licence.

Analyses (Cu, Pb, Zn, Bi, Mo, Sn and W) of soil samples from these zones showed no anomalies (Appendix I). Analysis of rock chip samples (Cu, Pb, Zn, Ni, Bi, Sn and W) from the anomalous zones, selected regional traverses and the Anchor Mine (control samples) were generally disappointing (Appendix II). The Anchor Mine control samples showed high Zn backgrounds (to 130 ppm) and variable Sn values (20-6450 ppm). Ferntree Hill and Forester Creek sample analyses are discussed below (Sections 7.3 and 8.3). The remaining samples from 7 selected traverses showed only a few isolated samples with slightly anomalous Sn or Cu values (to 46 and 65 ppm respectively) and two samples with Sn or Cu values significantly above background (A120018 with 900 ppm Cu, A120282 with 165 ppm Sn).

Sample A120282 (165 ppm Sn) from the Ruby Creek circular feature was surrounded by samples with no anomalous values. Petrological studies of samples from this area (Appendix III) identified the granodiorites of the St. Helens Pluton. No further work was warranted.

Sample 120018 (900 ppm Cu) from west of the Upper Scamander Creek prospect showed anomalous Pb (50 ppm) and Zn (85 ppm). An adjacent sample also contained 65 ppm Cu. Check soil samples (136083-136087) from the zones of these anomalous rock chip samples showed no anomalies (maxima of 4 ppm Cu, 24 ppm Pb, 8 ppm Zn, 8 ppm Sn). No further work was warranted.

The petrogeological studies of the rock chip samples failed to locate any areas of interest outside the Anchor Mine, Forester Creek and Ferntree Hill areas (Appendix III).

The review of past exploration highlighted several areas of possible economic potential (excluding Ferntree Hill, Forester Creek and Priory Mine). These were:

- (a) Johnson's Hill/Sweets Hill - some rock samples showed up to 3,000 ppm Sn, while soils showed no anomalies. Some analyses were suspect.
- (b) Platts Lookout - heavy mineral samples showed some coarse cassiterite which was not reflected in stream sediment samples (even from known tin workings).
- (c) Bells Marsh Creek - an inferred fault along a valley previously worked for alluvial tin. This fault (possibly extending to the Forester Creek anomalous area) may control mineralisation reflected in the Bells Marsh alluvial tin and the Forester Creek tin anomaly.
- (d) Coppelstone Hill (north flank) - supposedly shedding tin to the Thureau's Lead alluvials.

These areas were further investigated by drainage, rock and soil samples during the recent regional drainage sampling program. All samples were analysed for Sn, W, Cu, Pb, Zn and Bi (Appendix X).

Drainages in the Johnson's Hill/Sweets Hill area consistently showed anomalous Sn (to 95 ppm) and Zn (to 110 ppm). These values were considered insignificant when compared to values of 170 to 125 ppm Sn for samples from Derwent and Carters Creeks (draining Ferntree Hill) and 190 ppm Sn from the Forester Creek area. No confirmation of Hall's (1979) anomalous rock Sn values (to 3,000 ppm) from

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Johnson's Hill was obtained. Peak soil and/or rock Sn values were only 55 ppm.

Drainage samples from the Platts Lookout area showed minor tin anomalies (to 50 ppm) in streams draining known tin mines to the west of the Licence. No tin sources within E.L. 11/78 were indicated.

Samples from the Bells Marsh/Forester Creek area showed no geochemical anomalies except for the known tin-rich alluvials at Bells Marsh and the known tin anomaly within 150 m at Forester Creek. This suggests the Bells Marsh fault is not mineralised and field mapping indicates that the fault does not continue to the Forester Creek anomalous area.

Drainages from the supposedly tin-shedding north flank of Copplestone Hill showed no anomalous geochemical response.

Regional drainage sample results for the rest of the Licence were disappointing (Appendix X). The main anomalous values were from streams draining old workings.

- .. Samples 136035 and 136043 from the Groom River (draining the Anchor Mine) showed 450 and 1,550 ppm Sn.
- .. Sample 136124 from Bread and Butter Creek (draining the Priors tin mine) showed 170 ppm Sn.
- .. Samples 136066 and 136067 from the Golden Fleece Rivulet (draining Argonaut and Clio Hill alluvial workings) showed 2,000 and 9,300 ppm Sn.
- .. Sample 136113 from a stream draining the Boggy Creek alluvial workings showed 170 ppm Sn.

Earlier soil and rock samples from this area failed to show any geochemical or petrological anomalies.

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Several isolated drainage samples (outside the Johnson's Hill area) showed minor lead (to 110 ppm) and/or zinc (to 65 ppm). These do not warrant further work.

In summary, the regional investigations of E.L. 11/78 showed that the only areas of anomalous geology or geochemistry were the known alluvial workings (Argonaut, Ruby creek, Boggy Creek, Clio Hill, etc.) and mines (Priory, Anchor) and the known anomalies at Ferntree Hill, Forester Creek and Johnson's Hill/Sweets Hill.

## 7. FERNTREE HILL ANOMALY

### 7.1 Past Exploration

Williams (1980) reported anomalous tin values (up to 370 ppm Sn) in soil and rock samples from Ferntree Hill. Subsequent soil sampling (area 600 x 300 m) established anomalous A2 soil horizon tin values (Ellis, 1981a). However, most of the anomalous values were downslope of the original high anomalous sample.

A second auger soil sampling program extended the coverage but was confined to lines along ridge tops to the east, west, north and south of the original grid (DRG No. K554-4). Except for the north (2 lines), single lines in each of these directions were sampled at 50 m intervals. Lines to the north, south and west were extended for only 300 m to the outcrop of a vastly different type of massive granitic rock.

In the vicinity of anomalous soil tin values there is limited outcrop of mostly weathered, apparently greisenised granite, but to the east boulder-like outcrops of hard, coarse-grained adamellite are common. This adamellite extends along most of the eastern portion of the southern part of E.L. 11/78.

All hand auger soil samples from the grid line extensions were from the A2/C soil horizons interface or below. Approximately 1.5 kg samples were taken, dried and screened. The -80 mesh fraction was analysed for Cu, Pb, Zn, Bi and Mo while the -20 +80 mesh fraction was analysed for Sn and W. Samples analysed (Ellis, 1982) outlined a zone of anomalous tin in soil.

## 7.2 Current Exploration

A program of 10 percussion holes each to 40 m was undertaken to test potential tin mineralisation in the granitic rocks underlying the soil tin anomaly. Six holes were planned for AMG line 5421000 mN and 100 m intervals across the central highly anomalous zone, but one was re-sited 500 m north due to site problems. Two holes were drilled on each of the lines 100 m to the north and south of the central traverse (DRG No. K554-9). The holes were drilled using a Warman 1000 drilling rig with a down-hole hammer and 290 p.s.i. compressor operated by the Tasmanian Department of Mines.

Samples were collected at 0.75 m intervals and split to obtain 1 kg (approximate) samples for analysis. The remainder of each sample was screened (4 mesh) to obtain rock chip samples for possible binocular microscope examination and/or thin sectioning if required.

During the regional exploration (see Section 6.4) rock chip and soil samples were collected from selected traverses across the granite areas. One such traverse was in the Ferntree Hill area. All samples were analysed and briefly examined in hand specimen. Selected samples were thin sectioned and examined.

## 7.3 Results

The percussion drilling program (DRG No. K554-9) gave disappointing results. Geochemically, the only percussion hole of interest is FTH5. Analytical maxima are tabulated below.

Maximum Analyses (ppm)

Hole	Highest Sn	Highest Pb	Highest Zn
1	110 (isolated)	26	105
2	490 ( " )	80	105
3	40	30	65
4	26	60	36
5	760	820	1900
6	24	36	120
7	90 ( " )	180	70
8	310 ( " )	290 (isolated)	490 (isolated)
9	32	14	60
10	135 ( " )	100 ( " )	110 ( " )

The analyses (Appendix IV) show high tin values are not confined to the weathered greisen-like granitic rocks but also occur in the underlying hard, fine-grained granite/adamellite. The remaining nine holes have mainly isolated anomalous tin values to 160 ppm.

Weathered greisen-like granitic rocks were less than 30 m thick. The thickest greisen development was around FTH6 in the zone of strongest soil tin anomaly. Thinning to the east and west restricts the greisen to a zone of less than 800 m length. North-south greisen extent was not determined, but rapid thinning around the central zone (100 m north and south of the centre line) suggests limited greisen extent (Appendix IV). The weathered greisenous material is underlain by hard, massive, fine-grained granite/adamellite similar to that outcropping to the west of the anomalous area.

Chemical analyses of outcrop rock chip sampling of the Ferntree Hill area (Appendix II) showed a concentration of anomalous tin values around drill holes FTH3 and 5 and to the south of holes FTH9 and 10. A zone of narrow greisen veins (near FTH3) gave values to 2,300 ppm (Sample A120060) within an albitised granitoid. Studies of thin sectioned samples

from the area showed greisen and tourmaline-rich veins (Appendix III) were co-incident with the zones of anomalous geochemistry.

The Ferntree Hill tin anomaly apparently results from a series of tin-rich greisen/tourmaline veins, possibly originating from a buried late-stage alkali feldspar granite intrusion. The anomalous hole FTH5 probably intersected several such veins.

## 8. FORESTER CREEK ANOMALY

### 8.1 Past Exploration

Williams (1980) reported anomalous tin (190 ppm) in a stream sediment sample (A80803). Repeat sampling (A87153) confirmed the anomaly (250 ppm Sn). Further sampling (A87152 and A87151) showed no anomalous responses and suggested the tin was entering the stream within 120 m of the original anomalous sample (Ellis, 1981a).

Anomalous tin values were confined to this one stream. Samples from small drainages within 200 m to the north and south of this anomalous stream showed no geochemical responses.

### 8.2 Current Exploration

Soil sampling was undertaken to determine the extent of the anomalous tin values. Forty-nine soil samples from the A2/C soil horizons were taken (by hand auger) from a north-south aligned 12 m square grid centred on sample A80803 (DRG No. 554-12).

During the stream sediment and soil sampling program all rock outcrops in and adjacent to the soil anomaly were examined, sampled, analysed and selectively thin sectioned for examination.

A review of a Geophoto airborne radiometric survey of the Th<sup>208</sup>, K<sup>40</sup> and Bi<sup>214</sup> radiation distribution of north-eastern Tasmania (Mortimer, 1974) showed the area of the CSR geochemical anomaly was coincident with an east-west elongated zone of slightly elevated K<sup>40</sup> values. This coincidence of airborne radiometric and soil geochemical anomalies suggested ground radiometrics may detect increased potassium associated with a buried alkali feldspar source

granitic intrusion. To check the Geophoto airborne scintillometer anomaly and to attempt to define a source for the soil tin anomaly, a ground radiometrics survey was undertaken.

The ground scintillometer survey covered four theodolite-positioned 1 km long north-south lines centred on the geochemical anomaly. These lines (DRG No. K554-12) were pegged at 10 m intervals within 100 m of the baseline (centre of the geochemical anomaly) and 20 m intervals for a further 440 m to the north and south. A Scintrex GAD-6 spectrometer with a 348 cc GSP-3S crystal detector was held 1 m above the ground. Background counts determined over 3 m of water in Georges Bay and scintillometer calibration using the standard Rh and U sources allowed Compton stripped ratios to be determined and entered into the spectrometer. Differential Compton stripped and non-stripped values for total,  $K^{40}$ ,  $Tl^{208}$  (for Th) and  $Bi^{214}$  (for U) radiation were recorded.

On completion of the scintillometer survey the four lines were traversed with a Geometrics B816 proton precession magnetometer. A sensor on a 3 m pole was used to take repeat readings until constant readings were obtained at each station. Drift correction readings were taken at the 00 peg on Line 1 at intervals of less than 1 hour.

The four lines were also traversed with gravity. Leaman and Symonds (1975) and Leaman (1977) showed that gravity surveys might differentiate between granite types. Dr. D. Leaman suggested the late-stage tin-bearing granites were slightly less dense ( $0.05$  to  $0.10$   $kg/m^3$ ) than the more massive tin-poor adamellites, thus aiding in location of a tin-rich late-stage intrusive granite body (about 150 m across) in the prospect area.

A Sodin gravimeter was used to survey the three eastern lines, but results were probably specious because of instrument drift.

A second gravity survey over the four lines was then completed using a La Coste gravitometer and an experienced operator. During this survey hourly drift readings were taken at three base stations which were tied to the St. Helens airport BMR gravity station (Station 6491.0130 with a value of 980302.29 milligals).

### 8.3 Results

Forty-nine A2/C horizon soil samples and 7 further stream sediment samples taken during follow-up investigations (DRG No. K554-12) and analysed for Cu, Pb, Zn, Mo, Bi, Sn and W (Appendix V) only showed Sn and Pb anomalies. Most of the anomalous values were for samples from a 50 m wide zone. Within this east-west elongated anomalous zone there was a "spotty" distribution of Sn (to 170 ppm) and Pb (to 40 ppm). This distribution suggests vein rather than disseminated-type mineralisation.

Geological examination of the limited outcrop within the anomalous zone failed to locate any mineralised veins. Most outcrops were small and consisted of medium- to coarse-grained adamellite. Small pieces of granodiorite and aplite were found to the northwest of the anomaly, while to the east float of alkali feldspar granite was located.

Analyses of isolated rock outcrop (Appendix II) showed only four anomalous Zn values (to 110 ppm), again suggesting vein-type mineralisation.

The presence of alkali feldspar granite in adamellite and an anomalous spotty tin distribution suggests the possibility of the occurrence of a buried Anchor Mine-style tin deposit. The preliminary gravity survey (using a Sodin 014 meter) over three 1 km long north-south lines centred on the geochemical anomaly attempted to locate such an intrusive associated deposit. Survey results (Appendix IV) were

reduced and corrected by CSR (drift, latitude, elevation) and the Department of Mines (drift, latitude, elevation and terrain) prior to plotting as profiles (DRG No. K554-13). These plots show excessive daily drifts and noisy profiles possibly due to the inexperienced operator. A comparison of the Department of Mines and CSR plots shows substantial discrepancies, even though the shapes of the profiles are similar. These discrepancies result from CSR corrections not including terrain effects and drift corrections being obtained from plots of daily drift, while the Mines Department included terrain effects and computer-derived drift corrections. Also the Mines Department adopted station elevations are 20 m lower than those used by CSR.

Several anomalies (both positive and negative) were observed on Lines 2 and 3. These anomalies (around 50 to 125S) were coincident with the geochemical soil anomalies and appeared to be associated with a geological change (slope change on the gravity profiles). Other anomalies occurring at the northern end of these lines were unexplained.

The occurrence of coincident gravity and geochemical anomalies, even with the excessive drift and noisy gravity data, justified resurveying the three lines and an additional western line (to cover the inferred extension of the anomalies) by an experienced operator using a La Coste Romberg 6473 gravimeter. Survey results (Appendix VII) were again reduced and corrected by CSR (drift, latitude and elevation) and the Department of Mines (drift, latitude, elevation and terrain) to obtain Bouger residuals using a ground density of 2.67 tonnes/m<sup>3</sup> prior to plotting as profiles (DRG No. K554-13). These plots show less noise and somewhat different anomalies to the earlier Sodin gravity survey. Lines 1 and 2 showed significant negative anomalies slightly south of the geochemical anomalous zone. The southern ends of these lows were marked by curious unexpected highs. These positive anomalies could represent tin/topaz

mineralisation (dense) on the edge of the less dense alkali feldspar granite.

Line 3 shows no gravity anomalies adjacent to the geochemical anomaly. The Line 4 gravity profile was different in character to the other 3 lines and probably represented a change in geology. Field mapping has shown no such change.

Other features of interest on the gravity profiles were the sharp changes at the northern end, particularly Lines 3 and 4. No significant changes in surface geology were noted in this area.

The magnetometer survey of the four lines (Appendix VIII) detected very little variation (61802 to 61821). On Lines 1 and 2 magnetic changes (DRG No. K554-11) were coincident with gravity and geochemical soil anomalies. Either side of the change, the magnetic profiles were flat. Line 3 was magnetically uniform throughout (paralleling the gravity). Line 4 is magnetically (as well as gravimetrically) distinct from the other three lines.

The scintillometer survey of the four lines (Appendix IX) showed no significant variations in the  $\text{Th}^{208}$  and  $\text{Bi}^{214}$  (proportional to Th and U contents respectively) radiation counts (DRG No. K554-11).  $\text{K}^{40}$  radiation counts varied markedly. North of 00  $\text{K}^{40}$  values were erratic on all lines. South of 00, Line 4 showed low and stable  $\text{K}^{40}$  values, while Lines 1, 2 and 3 showed a drop in  $\text{K}^{40}$  radiation between 00 and 150S and then high and slightly variable values to 500S. The zone of low  $\text{K}^{40}$  radiation on Lines 1 and 2 was coincident with the gravity and magnetic anomalies, but south of the geochemical anomalies. Coincident with the gravity low on Line 2 was a slight superimposed increase in the  $\text{K}^{40}$  radiation.

In summary, the above investigation of the Forester Creek geochemical anomaly showed there was a significant subsurface geological change between Lines 3 and 4 with no magnetic or gravity anomalies to the west of Line 3. Geophysical anomalies become stronger to the east. Gravity lows about 75S on Lines 1 and 2 could represent lower density alkali feldspar granites intruding adamellites. The expected increase in  $K^{40}$  radiation over such an intrusion was not observed. Rather, low  $K^{40}$  radiation was recorded which may represent a tin/topaz rich, K feldspar poor greisen cap to the intrusion. Such a cupola would explain the tin concentrations in the soils of the area. Alkali feldspar granite has been located to the east of the anomalous zone.

## 9. CONCLUSIONS

The regional exploration confirmed the known anomalous areas of Ferntree Hill, Forester Creek and Johnson's Hill/Sweets Hill, the known alluvial workings (along the Golden Fleece Rivulet) and the known mines. No previously unknown geochemical or geological anomalies were defined.

Percussion drilling at Ferntree Hill was disappointing. Only hole FTH5 showed consistent higher concentrations of tin. Isolated anomalous tin values occurred in several other holes.

Outcrop mapping of the area located several tourmaline and/or greisen veins containing tin (up to 2,300 ppm).

It is apparent the Ferntree Hill tin anomaly results from a series of tin-rich veins possibly originating from a late-stage alkali feldspar granite intrusion of the Anchor Mine type. Thus potential mass exists for the occurrence of a tin deposit of the Anchor Mine type.

The geophysical (gravity, magnetic, scintillometer) investigations of the Forester Creek geochemical anomaly showed significant coincident anomalies. The negative gravity anomaly could represent a late-stage alkali feldspar granite which has a greisenised cap, accounting for the negative  $K^{40}$  radiation anomaly. Such a greisenised alkali feldspar granite could be tin enriched (giving the anomalous soil geochemistry).

Drainage in the Johnson's Hill/Sweets hill area showed slightly anomalous tin values. Soil and rock samples from this area failed to confirm the earlier highly anomalous (3,000 ppm) tin values.

In general it was concluded that there is insufficient evidence of potentially economic mineralisation to justify further exploration.

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034  
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561036

APPENDIX I

SOIL GEOCHEMISTRY

AIR PHOTOGRAPH FEATURES AND REGIONAL TRAVERSES





# FIELD SAMPLE DESPATCH SHEET

10298

State TASMANIA Project GODWIN RIVER Prospect No. 603 Locality ST HELENS  
 CSR Order No. 30571 Date Sampled OCTOBER 1951 Sampler P. D. E  
 Date Despatched 11/11/51 Despatcher P. D. ELLIS Despatched per TAA  
 Type of Sample SOIL  
 Lab. Name COMLABS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)					S <sub>i</sub>	W	Remarks
	E/W	N/S	Cu	Pb	Zn	Bi	Mn			
A120010	591815	5216565	6	<4	6	<4	<4	8	<10	
A120011	591805	5216565	<4	16	22	<4	<4	10	15	
A120012	591795	5216565	6	16	26	<4	<4	12	15	
A120013	591785	5216565	<4	16	24	<4	<4	6	20	
A120274	599580	5225960	10	12	40	<4	<4	<4	<10	
A120277	599600	5225985	<4	4	14	<4	<4	6	15	
A120779	599550	5226040	<4	6	10	<4	<4	28	<10	
A120790	599525	5226135	<4	8	20	<4	<4	8	10	
A120791	599515	5226190	<4	<4	8	<4	<4	8	<10	
A120296	599495	5226290	<4	<4	6	<4	<4	36	10	
A120798	599485	5226335	<4	<4	6	<4	<4	20	<10	
A120790	599475	5226345	6	6	8	<4	<4	12	<10	
A120791	599470	5226440	4	6	10	<4	<4	16	15	
A120792	599460	5226485	<4	<4	10	<4	<4	20	20	
A120792	599455	5226540	<4	<4	6	<4	<4	10	15	
A120294	599440	5226585	<4	<4	8	<4	<4	18	10	
A120795	599420	5226640	<4	<4	6	<4	<4	18	15	
A120797	599405	5226685	6	<4	6	<4	<4	16	<10	
A120299	599395	5226740	<4	<4	4	<4	<4	20	10	
A120300	599480	5224570	6	10	12	<4	<4	26	15	
A120301	5994505	5224570	22	20	60	<4	<4	20	10	
A120302	5994530	5224570	6	8	8	<4	<4	8	15	
A120303	5994555	5224570	6	16	16	<4	<4	28	15	
A120306	5994580	5224570	6	6	12	<4	<4	8	10	
A120305	5994605	5224570	10	<4	6	<4	<4	6	25	
A120306	5994630	5224570	6	<4	6	<4	<4	10	10	
A120307	5994655	5224570	4	<4	6	<4	<4	10	15	
A120308	5994680	5224570	4	<4	6	<4	<4	6	20	
A120309	5994705	5224570	<4	16	10	<4	<4	10	20	
A120310	5994455	5224570	<4	12	8	<4	<4	6	15	
A120311	5994430	5224570	4	16	16	<4	<4	14	20	
A120312	5994405	5224570	<4	4	8	<4	<4	12	15	

561039

Instructions to Analyst: DR. ALL SAMPLES - PUMMEL AND SEIVE - REJECT + 20 MESH  
R. TAIN - 20+ - 50 MESH - ANALYSE FOR Sn + W by XRF - 1 METHOD  
P. TAIN - 20+ - 50 MESH - ANALYSE FOR Cu, Pb, Zn, Bi by AAS-1 METHOD AND FOR Mn by AAS - 3 METHOD  
RESULTS + 20-50 and -50 mesh fractions to CSR 6 WILLIAM ST WEST HOBART TAS 7500  
 Results to: RESULTS + INVOICE TO CSR MINERALS DIVISION GPO BOX 152 SYDNEY NSW 2001  
 BURSEMENT Pink - To Chief Geologist Sydney White - To Assay Lab with Order Green - Despatch with Samples  
 Yellow - Field Copy



APPENDIX II

ROCK GEOCHEMISTRY OF OUTCROPS

E.L. 11/78

# FIELD SAMPLE DESPATCH SHEET

10289

State TASMANIA Project GEDAGE RIVER Prospect No. 603 Locality ST HELENS  
 CSR Order No. 30646/30650 Date Sampled SEPT/OCT 1981 Sampler P.D.E  
 Date Despatched MAY 82 Despatcher P.D.E Despatched per TAM  
 Type of Sample ROCK  
 Lab. Name COM LABS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)							Remarks
	E/W	N/S	Cu	Pb	Zn	Ni	Bi	Sn	W	
A119951	584740	5435475	100	8	85	24	8	85	35	ANCHOR MINE
A119952	584820	5435570	150	10	95	24	10	2150	20	
A119953	584710	5435535	10	24	55	24	24	40	210	
A119954 *	584665	5435510	10	24	30	24	24	120	15	
A119955 *	584885	5435500	16	24	130	24	20	6450	50	
A119956 *	584885	5435500	6	6	55	24	24	36	20	
A119957 *	584905	5435390	14	24	38	24	24	48	210	
A119958	584715	5435400	16	8	95	24	22	70	20	
A119959	584785	5435400	12	8	90	24	24	1000	20	
A119960	584790	5435320	14	6	32	24	34	4700	10	
A119961 *	584790	5435325	8	24	70	24	4	500	20	
A119962	584730	5435260	16	10	65	24	24	22	15	
A119963	584720	5435255	20	8	65	24	24	20	20	
A119964	584710	5435270	6	4	95	24	18	1300	95	
A119965	584715	5435275	12	24	95	24	24	240	210	
A119966	584720	5435280	10	10	70	24	24	24	10	
A119967	585060	5435130	12	10	65	24	24	24	15	
A119968 *	585115	5435130	6	12	60	24	24	20	15	
A119969 *	585130	5435500	4	18	12	24	24	70	15	
A119970	598025	5432615	12	4	28	24	24	14	10	FORESTER CREEK
A119971 *	598000	5432560	4	24	32	8	24	12	10	
A119972 *	597998	5432580	8	4	32	4	24	12	210	
A119973 *	597963	5432730	2	6	28	24	24	14	15	
A119974 *	597945	5432780	2 <sup>12</sup>	10 <sup>12</sup>	110 <sup>12</sup>	24 <sup>12</sup>	24 <sup>12</sup>	424 <sup>12</sup>	90 <sup>12</sup>	
A119975 *	597977	5432780	8 <sup>12</sup>	24 <sup>12</sup>	50 <sup>12</sup>	24 <sup>12</sup>	24 <sup>12</sup>	24 <sup>12</sup>	15 <sup>12</sup>	
A119976 *	597905	5432730	14	12	40	8	24	24	210	
A119977	598023	5432705	22	24	26	24	24	12	210	
A119978 *	598200	5432700								
A119979 *	592045	5414520	8	24	16	24	24	14	10	SOUTH ROAD
A119980 *	592045	5414525	10	8	22	24	24	6	10	
A119981	592060	5414530	22	4	10	24	24	12	20	
A119982	592180	5414535	2	24	10	24	24	22	210	
A119983 *	592130	5414540	6	24	18	24	24	12	15	
A119984	592140	5414570	22	6	14	24	24	14	10	
A119985	592145	5414605	2	4	22	24	24	14	15	
A119986 *	592160	5414650	8	12	10	24	24	20	25	
A119987	592225	5414720	2	6	22	24	24	20	15	
A119988 *	592270	5414720	6	10	18	24	24	14	30	
A119989	592350	5414715	4	8	22	24	24	4	10	
A119990	592510	5414770	4	6	30	24	24	24	10	

Instructions to Analyst: \* Thin Sections

561042

Results to:

# FIELD SAMPLE DESPATCH SHEET

10290

State TASMANIA Project GEORGE RIVER Prospect No. 603 Locality ST HELENS  
 CSR Order No. 30646/30650 Date Sampled OCT 1981 Sampler P. D. E  
 Date Despatched MAY 82 Despatcher PDE Despatched per TPIA  
 Type of Sample ROCK  
 Lab. Name COMLABS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)								Remarks
	E/W	N/S	Cu	Pb	Zn	Al	Bi	Sn	W		
A119991 *	592695	5416810	8	8	34	44	44	6	10		
A119992	592780	5416855	22	22	50	44	44	44	10		
A119993	592905	5416945	4	44	44	44	44	12	10		
A119994	593070	5415175	60	4	20	44	44	6	10		
A119995 *	591545	5416240	8	8	20	44	44	16	15	HOBAN ROAD DENNIS CREEK	
A119996	591715	5416380	2	4	18	44	44	16	10		
A119997 *	591717	5416380	12	8	20	44	44	10	15		
A119998	591795	5416545	42	6	26	44	44	8	15		
A119999	591870	5416580	2	44	26	44	44	4	10		
A120000	592015	5416575	42	6	20	44	44	10	10		
A120001 *	592495	5416675	42	16	36	44	44	10	10		
A120002	592690	5416645	42	4	28	44	44	10	15		
A120003 *	592780	5416665	8	44	28	44	44	8	15		
A120004	592855	5416725	6	6	26	44	44	6	20		
A120005 *	592900	5416740	14	44	22	44	44	44	10		
A120006	592920	5416735	8	10	22	44	44	44	10		
A120007	591800	5416565	2	10	22	44	44	10	410		
A120009 *	591800	5416575	6	44	22	44	44	4	20		
A120010	591805	5416565								Soil	
A120011	591805	5416565								"	
A120012	591795	5416565								"	
A120013	591785	5416565								"	
A120014 *	5910220	5417150	8	4	22	44	44	18	10	RYANS ROAD	
A120015	5410400	5417080	65	44	12	44	44	4	410		
A120016	5410535	5417125	8	16	16	44	44	6	15		
A120017 *	5910580	5416840	10	6	16	44	44	44	410		
A120018	5910625	5416825	8	8	24	44	44	4	10		
A120019	5910625	5416825	900	50	85	44	44	16	410		
A120019 B *	5910725	5416975	12	8	32	44	44	10	15		
A120020	591615	5417660	10	6	28	44	44	12	410		
A120020	591615	5417660	6	34	20	44	44	44	410	CARTERS CREEK	
A120021 *	591000	5418700	12	16	12	44	44	24	15	CARTERS ROAD	
A120022	591004	5418702	16	14	12	44	44	10	10		
A120023	5910140	5418715	12	16	12	44	44	10	10		
A120023 B *	5910140	5418715	14	12	12	44	44	95	25		
A120024 *	591070	5418730	14	12	12	44	44	4	10		
A120025	591095	5418740	10	8	10	44	44	10	20		
A120026 *	591120	5418815	10	14	22	44	44	18	20		
A120027	591240	5418785	6	44	22	44	44	44	10		
A120028	591270	5418770	16	16	12	44	44	14	10		
A120028 B *	591270	5418770	18	8	30	44	44	8	10		
A120029	591445	5418780	6	6	22	44	44	10	410		
A120030	591485	5418810	12	10	16	44	44	14	10		
A120030 B *	591485	5418810	14	14	30	44	44	8	15		

Instructions to Analyst: \* Thin Sections

561043

Results to:

REBURSEMENT Pink - To Chief Geologist Sydney White - To Assay Lab with Order Green - Despatch with Samples  
 Yellow - Field Copy

# FIELD SAMPLE DESPATCH SHEET

10291

State TASMANIA Project GEORGE RIVER Prospect No. 603 Locality ST HELENS  
 CSR Order No. 30646/30650 Date Sampled OCT 1981 Sampler P.D.E.  
 Date Despatched MAY 82 Despatcher PDE Despatched per TPA  
 Type of Sample ROCK  
 Lab. Name COMPLAS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)					Sm	W	Remarks
	E10	N10	Cu	Pb	Zn	Ni	Bi			
A120031*	591720	548540	16 <sup>16</sup> 16	16 <sup>14</sup> 10	26 <sup>14</sup> 14	24 <sup>24</sup> 24	24 <sup>24</sup> 24	6 <sup>14</sup> 4	10 <sup>10</sup> 15	
A120032	591885	548550	4	6	18	24	24	12	10	
A120033	592055	548280	2	4	36	24	24	24	210	
A120034	592880	548175	4	10	38	24	24	14	10	
A120035	592120	548195	4	8	36	24	24	6	10	
A120036*	592160	548165	6	16	28	24	24	12	20	
A120037	592385	548145	4	4	24	24	24	8	10	
A120038*	592395	548110	6	8	16	24	24	6	210	
A120039	592020	547935	4	24	4	24	24	10	15	
A120040*	592725	547800	24	16	24	24	24	14	10	
A120041	594445	548075	4	4	16	24	24	12	10	
A120042*	594480	548105	10	18	20	24	24	12	15	
A120043*	594955	548005	8	18	14	24	24	10	15	
A120044	594965	548090	2	24	14	24	24	8	15	
A120045	594970	548060	6	6	17	24	24	6	20	
A120046	595040	548055	4	4	6	24	24	18	210	
A120047*	595345	547720	10	18	12	24	24	8	20	
A120048 <sup>A*</sup> <sup>B*</sup>	593360	5421000	26 <sup>6</sup>	18 <sup>12</sup>	6 <sup>12</sup>	24 <sup>24</sup>	24 <sup>24</sup>	16 <sup>12</sup>	20 <sup>10</sup>	FERRIES HILL
A120049*	593260	5421010	14	80	185	24	24	980	210	
A120050	593290	5421110	2	24	6	24	24	4	25	
A120051	593180	5421020	8	10	75	24	24	720	200	
A120052*	593130	5420940	16	50	6	24	24	32	210	
A120053	593120	5421000	10	6	30	24	24	18	210	
A120054	593090	5421000	2	24	16	24	10	12	20	
A120055*	593080	5421000	12	4	32	24	24	16	15	
A120056*	593062	5421000	65	36	180	24	24	50	25	
A120057	593056	5421000	4	24	26	24	10	6	10	
A120058 <sup>A*</sup> <sup>B*</sup>	593040	5421050	28 <sup>6</sup>	24 <sup>12</sup>	220 <sup>30</sup>	24 <sup>24</sup>	24 <sup>24</sup>	320 <sup>10</sup>	10 <sup>15</sup>	
A120059	593010	5421015	14	4	75	24	32	55	30	
A120060*	592985	5421010	10	70	70	24	24	2300	10	
A120061	592970	5421010	4	10	16	24	24	26	10	
A120062*	592970	5420970	8	6	30	24	8	16	15	
A120063	593000	5420950	4	24	18	24	24	14	20	
A120064	592900	5420980	6	4	2	24	24	14	20	
A120065	592780	5420950	6	8	12	24	24	8	10	
A120066	592750	5420980	10	24	8	24	24	24	210	
A120067*	592730	5420980	8	4	20	24	4	20	20	
A120068	592600	5420920	6	24	20	24	24	6	10	
A120069*	592600	5421080	6	6	26	24	24	8	10	
A120070	592500	5421050	4	8	26	24	24	10	15	

Instructions to Analyst: \* Run Sections

561044

Results to:



# FIELD SAMPLE DESPATCH SHEET

10292

State TASMANIA Project GEORGE RIVER Prospect No. 603 Locality ST HELENS  
 CSR Order No. 3066/30650 Date Sampled OCT 81 Sampler P.D.E.  
 Date Despatched MAY 82 Despatcher PDE Despatched per TMA  
 Type of Sample ROCK  
 Lab. Name COMLABS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)					S <sub>max</sub>	W	Remarks
	E <sub>10</sub>	N <sub>10</sub>	Cu	Pb	Zn	Ni	Pi			
A120071	542450	5421175	8	10	22	<4	<4	8	10	
A120072 *	542445	5421180	8	32	6	<4	<4	42	15	
A120073	542415	5421180	4	6	24	<4	<4	44	25	
A120074	542350	5421185	30	10	16	<4	<4	4	35	
A120075 *	542350	5421135	12	10	6	<4	<4	32	10	
A120076	542350	5421100	4	22	28	<4	<4	24	40	
A120077 *	542385	5421018	8	12	24	<4	<4	8	10	
A120078	542395	5421050	4	6	16	<4	<4	8	15	
A120079 *	542875	5421085	28	8	22	<4	<4	20	15	
A120080	542830	5421130	18	24	20	<4	<4	16	20	
A120081	542850	5421175	4	24	22	<4	<4	10	10	
A120082	542855	5421200	6	24	32	<4	<4	26	15	
A120083	542850	5421225	4	24	6	<4	<4	220	30	
A120084	542850	5421230	2	24	10	<4	<4	24	20	
A120085	542835	5421310	6	16	24	<4	<4	22	10	
A120086	542830	5421355	12	8	16	<4	<4	90	40	
A120087 *	542825	5421405	6	12	18	<4	<4	16	25	
A120088	542820	5421490	4	10	22	<4	<4	6	20	
A120089 *	542850	5421510	6	8	34	<4	<4	22	25	
A120090	542870	5421540	22	24	28	<4	<4	50	25	
A120091 *	542875	5421560	18	95	105	<4	<4	135	10	
A120092	542860	5421620	10	24	20	<4	<4	28	35	
A120093	542855	5421900	6	24	8	<4	<4	6	15	
A120094	542835	5421900	16	26	70	<4	10	9	15	
A120095	542840	5421920	6	34	22	<4	14	14	10	
A120096 *	543420	5421050	6	14	14	<4	<4	20	10	
A120097 *	543640	5421090	27	10	46	<4	<4	110	20	
A120098	543850	5421350	6	12	8	<4	12	12	<10	
A120099 *	544050	5421400	8	10	18	<4	<4	32	<10	
A120100	544220	5421400	4	6	20	<4	10	4	15	
A120101	544225	5421405	4	4	22	<4	9	24	20	
A120102	544235	5421405	4	4	24	<4	12	12	10	
A120103	544250	5421405	4	4	22	<4	14	24	10	
A120104 *	544275	5421415	4	12	18	<4	<4	8	15	
A120105 *	544290	5421415	4	8	9	<4	<4	10	10	
A120106	544310	5421415	4	6	12	<4	12	8	15	
A120107	544315	5421415	6	10	18	<4	18	12	15	
A120108	544325	5421415	6	6	22	<4	<4	10	10	
A120109	544335	5421415	8	24	20	<4	<4	10	10	
A120110	544050	5421550	8	24	18	<4	<4	4	15	

Instructions to Analyst: \* Thin Sections

561045

Results to:

# FIELD SAMPLE DESPATCH SHEET

10293

State TASMANIA Project GEORGE RIVER Prospect No. 603 Locality ST HELENS  
 CSR Order No. 20626/20650 Date Sampled OCT 81 Sampler PDE  
 Date Despatched MAY 82 Despatcher PDE Despatched per TAA  
 Type of Sample ROCK  
 Lab. Name COMLABS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)						Sn	W	Remarks
	E/W	N/S	Cu	Pb	Zn	Ni	Bi				
A120111	* 593075	5420850	4	<4	10	<4	<4	75	30		
A120112	593080	5420775	4	<4	16	<4	<4	8	185		
A120113	* 593079	5420775	4	4	8	<4	<4	22	15		
A120114	593050	5420690	6	<4	8	<4	<4	12	<10		
A120115	593050	5420650	6	<4	20	<4	<4	12	10		
A120116	593100	5420540	4	<4	18	<4	<4	<4	10		
A120117	593097	5420500	6	<4	38	<4	<4	4	10		
A120118	593040	5420500	4	<4	14	<4	<4	<4	15		
A120119	* 593040	5420475	20	<4	16	<4	80	260	910		
A120120	* 593040	5420340									
A120121	* 593040	5420300	16	8	24	<4	<4	12	15		
A120122	593040	5420300	6	<4	22	<4	<4	20	10		
A120123	* 593040	5420250	8	16	38	<4	<4	14	10		
A120124	593075	5420250	6	<4	26	<4	<4	8	15		
A120125	593095	5420250	4.2	<4	28	<4	10	10	25		
A120126	A B 593050	5420330	6 <sup>36</sup> <sub>6</sub>	4	14	24	24	105	15		
A120127	* 593260	5420750	4	<4	10	<4	<4	620	65		
A120128	* 593265	5420900	6	12	22	<4	4	32	20		
A120129	593360	5420750	6	<4	6	<4	<4	10	<10		
A120130	593300	5420900	6	<4	20	<4	<4	12	20		
A120131	593400	5420850	4	<4	10	<4	<4	<4	25		
A120132	* 593370	5420850	6	8	12	<4	<4	14	15		
A120133	A* B* 593325	5420845	6	6	12	24	24	26	25		
A120134	593325	5420825	14	<4	10	<4	<4	38	10		
A120135	593325	5420810	12	<4	16	<4	<4	24	15		
A120136	593355	5420820	8	<4	32	<4	<4	790	<10		
A120137	593425	5420820	12	<4	20	<4	<4	30	15	FERTREE HILL SE	
A120138	593585	5421005	6	12	40	<4	<4	75	10	ROAD	
A120139	* 593795	5421045	20	46	55	<4	<4	10	10		
A120140	* 593855	5421125	6	8	6	<4	<4	6	15		
A120141	593895	5421165	12	<4	26	<4	<4	14	20		
A120142	593980	5421290	6	<4	24	<4	<4	6	10		
A120143	594075	5421420	8	<4	24	<4	<4	<4	15		
A120144	594245	5421460	8	<4	36	<4	<4	8	15		
A120145	594285	5421490	6	<4	10	<4	<4	30	20		
A120146	595000	5421700	6	<4	20	<4	<4	<4	10		
A120147	595565	5422060	6	<4	22	<4	<4	16	15		
A120148	594460	5424780	6	<4	16	<4	<4	8	<10	GIRDY HILL	
A120149	594450	5424685	4	<4	16	<4	<4	4	10		
A120150	594455	5424670	8	<4	14	<4	<4	<4	<10		

Instructions to Analyst: \* Thin Sections

561046

Results to:

# FIELD SAMPLE DESPATCH SHEET

10294

State TASMANIA Project GEORGE RIVER Prospect No. 603 Locality ST HELENS  
 CSR Order No. 30646/30650 Date Sampled OCT 81 Sampler PDE  
 Date Despatched MAY 82 Despatcher PPE Despatched per TAA  
 Type of Sample ROCK  
 Lab. Name COALSIBS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)							Remarks
	E/W	N/S	Cu	Pb	Zn	Ni	Bi	Sn	W	
A120151 *	594440	5424680	4	8	6	24	24	12	10	
A120152	594470	5424670	6	24	4	24	24	24	10	
A120153	594455	5424660	4	24	18	24	24	12	15	
A120154	594435	5424630	4	24	26	24	24	20	210	
A120155	594440	5424610	4	6	14	24	24	14	10	
A120156	594445	5424605	4	24	20	24	24	12	210	
A120157 <sup>A*</sup> <sub>B*</sub>	594480	5424570	4	12	12	24	24	38	15	
A120158	594480	5424570	4	24	22	24	24	4	10	
A120159	594486	5424560	8	24	24	24	24	10	15	
A120160	594500	5424540	4	24	20	24	24	8	20	
A120161	594490	5424470	12	24	34	24	24	34	10	
A120162	594490	5424440	8	24	24	24	24	26	260	
A120163	594545	5424340	6	24	26	24	24	10	15	
A120164 *	594550	5424300	10	6	22	24	24	28	20	
A120165	594550	5424295	24	24	42	24	24	4	20	
A120166 *	594560	5424210	4	8	18	24	24	18	20	
A120167	594565	5424190	4	24	28	24	24	18	20	
A120168	594560	5424165	6	24	6	24	24	46	15	
A120169	594550	5424140	4	24	32	24	24	40	210	
A120170	594540	5424120	2	24	22	24	24	8	25	
A120171	594520	5424100	2	24	22	24	24	40	15	
A120172 *	594505	5424080	2	12	8	24	24	18	210	
A120173	594500	5424075	4	24	16	24	24	26	10	
A120174	594460	5424005	4	24	20	24	24	16	20	
A120175	594455	5424000	4	24	24	24	24	4	20	
A120176 *	594410	5423930	6	4	4	24	24	24	15	
A120177	594360	5423900	4	24	30	24	24	24	15	
A120178	594310	5423880	2	24	20	24	24	4	15	
A120179	594250	5423860	4	24	24	24	24	4	20	
A120180 <sup>B*</sup>	594235	5423855	4	4	24	24	24	12	15	
A120181	594200	5423855	2	24	14	24	24	36	25	
A120182	594185	5423845	2	24	16	24	24	18	15	
A120183	594170	5423840	2	24	24	24	24	12	20	
A120184	594145	5423805	2	24	20	24	24	24	10	
A120185	594115	5423765	4	24	8	24	24	34	15	
A120186 *	594110	5423760	6	12	42	24	24	8	10	
A120187	594090	5423730	4	24	4	24	24	18	210	
A120188 *	594075	5423715	4	10	22	24	24	44	15	
A120189	594060	5423700	4	24	28	24	24	10	10	
A120190	594035	5423675	2	24	30	24	24	12	15	

Instructions to Analyst: \* Thin Sections

561047

Results to:



# FIELD SAMPLE DESPATCH SHEET

10295

State TASMANIA Project GEORGE RIVER Prospect No. 603 Locality ST HELENS  
 CSR Order No. 30646/30650 Date Sampled OCT 81 Sampler PDE  
 Date Despatched MAY 82 Despatcher PDE Despatched per TAP  
 Type of Sample ROCK  
 Lab. Name COMLABS

Sample Number Co-ordinates	From To		Chemical Analyses (ppm or %)							Remarks
	E/W	N/S	Cu	Pb	Zn	Ni	Bi	Sn	W	
A20191	594000	5423600	4	<4	2	<4	<4	10	10	
92	594000	5423598	14	4	30	<4	<4	26	<10	
93	593965	5423555	8	8	28	<4	<4	6	10	
94	593920	5423500	4	<4	28	<4	<4	<4	25	
95	593920	5423445	6	4	36	<4	<4	6	10	
96	593910	5423385	4	6	24	<4	<4	16	15	
97	593920	5423295	4	18	18	<4	<4	<4	<10	
98	593885	5423170	4	8	22	<4	<4	<4	10	
99	593805	5423140	4	<4	24	<4	<4	8	15	
A120 200 *	593770	5423125	4	6	24	<4	<4	14	25	
1 *	593735	5423110	4	24	95	<4	<4	85	15	
2	593715	5423105	4	6	22	<4	<4	<4	20	
3	593695	5423100	8	4	40	<4	<4	34	10	
4 *	593410	5422410	2	8	6	<4	<4	8	20	
5	593710	5422555	4	8	18	<4	<4	24	<10	
6	593730	5422565	2	14	26	<4	<4	16	15	
7	593650	5422665	4	10	20	<4	<4	12	15	
8	593670	5422700	6	20	30	<4	<4	10	15	
9	593785	5422815	6	14	34	<4	<4	28	15	
10	593955	5422805	4	<4	18	<4	<4	8	20	
11	594000	5422845	10	<4	28	<4	<4	6	25	
12	594000	5422900	10	<4	30	<4	<4	10	20	
13	594015	5423000	8	8	30	<4	<4	44	15	
14	594025	5423090	6	10	20	<4	<4	4	20	
15	594025	5423105	4	6	24	<4	<4	<4	25	
16	594040	5423215	4	6	20	<4	<4	18	15	
17	593440	5422635	4	<4	18	<4	<4	6	15	
18 *	593440	5422620	4	8	24	<4	<4	18	15	
19	594500	5424835	4	8	10	<4	<4	<4	<10	RILEY'S HILL
20	594550	5424835	4	<4	22	<4	<4	10	20	
21	594580	5424835	2	4	24	<4	<4	10	40	
22	594625	5424835	2	6	18	<4	<4	10	15	
23 *	594620	5425230	2	<4	4	<4	<4	44	15	
24	594620	5425290	2	6	8	<4	<4	<4	15	
25	594640	5425540	6	<4	4	<4	<4	10	15	
26	594625	5425560	4	<4	2	<4	<4	20	10	
27	594585	5425545	4	<4	28	<4	<4	18	15	
28	594580	5425495	4	<4	6	<4	<4	10	<10	
29	594660	5425745	4	<4	28	<4	<4	24	<10	
30	594630	5425880	4	<4	8	<4	<4	16	15	

Instructions to Analyst: \* Thin Sections

561048

Results to:

# FIELD SAMPLE DESPATCH SHEET

10296

State TASMANIA Project GEORGE RIVER Prospect No. 603 Locality ST HELENS  
 CSR Order No. 20646/50650 Date Sampled OCT 81 Sampler PPE  
 Date Despatched MAY 82 Despatcher PPE Despatched per TAN  
 Type of Sample ROCK  
 Lab. Name COMLABS

Sample Number Co-ordinates	From To		Chemical Analyses (ppm or %)						Sn	W	Remarks
	E/W	N/S	Cu	Pb	Zn	Ni	Bi				
<u>A120231 A*</u>	<u>594560</u>	<u>5425860</u>	<u>6</u>	<u>12</u>	<u>22</u>	<u>24</u>	<u>24</u>	<u>20</u>	<u>20</u>		
<u>B*</u>			<u>6</u>	<u>6</u>	<u>34</u>	<u>24</u>	<u>24</u>	<u>20</u>	<u>20</u>		
<u>32</u>	<u>594590</u>	<u>5425920</u>	<u>6</u>	<u>4</u>	<u>46</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>8</u>	<u>&lt;10</u>		
<u>33</u>	<u>594605</u>	<u>5425940</u>	<u>8</u>	<u>6</u>	<u>14</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>16</u>	<u>&lt;10</u>		
<u>34</u>	<u>594670</u>	<u>5426045</u>	<u>6</u>	<u>&lt;4</u>	<u>14</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>15</u>		
<u>35 *</u>	<u>594660</u>	<u>5426060</u>	<u>2</u>	<u>12</u>	<u>24</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>14</u>	<u>&lt;10</u>		
<u>36</u>	<u>594705</u>	<u>5426115</u>	<u>2</u>	<u>&lt;4</u>	<u>16</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>20</u>		
<u>37</u>	<u>594770</u>	<u>5426135</u>	<u>4</u>	<u>&lt;4</u>	<u>14</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>12</u>	<u>10</u>		
<u>38</u>	<u>594780</u>	<u>5426185</u>	<u>4</u>	<u>&lt;4</u>	<u>18</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>10</u>	<u>35</u>		
<u>39</u>	<u>594800</u>	<u>5426220</u>	<u>8</u>	<u>&lt;4</u>	<u>28</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>15</u>		
<u>40</u>	<u>594805</u>	<u>5426235</u>	<u>8</u>	<u>&lt;4</u>	<u>20</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>8</u>	<u>20</u>		
<u>41</u>	<u>594805</u>	<u>5426245</u>	<u>4</u>	<u>16</u>	<u>12</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>10</u>	<u>15</u>		
<u>42</u>	<u>594875</u>	<u>5426340</u>	<u>4</u>	<u>&lt;4</u>	<u>10</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>10</u>	<u>15</u>		
<u>43 *</u>	<u>594890</u>	<u>5426355</u>	<u>4</u>	<u>14</u>	<u>32</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>10</u>		
<u>44</u>	<u>594895</u>	<u>5426365</u>	<u>6</u>	<u>&lt;4</u>	<u>24</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>8</u>	<u>15</u>		
<u>45</u>	<u>594885</u>	<u>5426400</u>	<u>4</u>	<u>6</u>	<u>20</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>4</u>	<u>10</u>		
<u>46</u>	<u>594915</u>	<u>5426485</u>	<u>6</u>	<u>&lt;4</u>	<u>14</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>14</u>	<u>10</u>		
<u>47</u>	<u>594915</u>	<u>5426580</u>	<u>6</u>	<u>&lt;4</u>	<u>16</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>15</u>		
<u>48</u>	<u>594910</u>	<u>5426685</u>	<u>6</u>	<u>&lt;4</u>	<u>28</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>20</u>		
<u>49</u>	<u>594910</u>	<u>5426760</u>	<u>4</u>	<u>&lt;4</u>	<u>16</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>10</u>	<u>10</u>		
<u>50</u>	<u>594825</u>	<u>5426855</u>	<u>8</u>	<u>&lt;4</u>	<u>40</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>10</u>	<u>15 ?</u>		
<u>51</u>	<u>594890</u>	<u>5426960</u>	<u>6</u>	<u>&lt;4</u>	<u>28</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>10</u>	<u>20</u>		
<u>52</u>	<u>594910</u>	<u>5426980</u>	<u>4</u>	<u>&lt;4</u>	<u>26</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>14</u>	<u>&lt;10</u>		
<u>53 A</u>	<u>594965</u>	<u>5427060</u>	<u>4</u>	<u>6</u>	<u>38</u>	<u>24</u>	<u>24</u>	<u>12</u>	<u>15</u>		
<u>B</u>			<u>4</u>	<u>6</u>	<u>38</u>	<u>24</u>	<u>24</u>	<u>24</u>	<u>10</u>		
<u>54</u>	<u>594970</u>	<u>5427130</u>	<u>4</u>	<u>&lt;4</u>	<u>26</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>10</u>	<u>10</u>		
<u>55</u>	<u>595000</u>	<u>5427275</u>	<u>6</u>	<u>&lt;4</u>	<u>40</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>4</u>	<u>15</u>		
<u>56</u>	<u>594955</u>	<u>5427380</u>	<u>6</u>	<u>&lt;4</u>	<u>40</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>18</u>	<u>15</u>		
<u>57</u>	<u>594925</u>	<u>5427430</u>	<u>6</u>	<u>6</u>	<u>22</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>12</u>	<u>10</u>		
<u>58 *</u>	<u>594875</u>	<u>5427560</u>	<u>4</u>	<u>40</u>	<u>30</u>	<u>&lt;4</u>	<u>8</u>	<u>10</u>	<u>20</u>		
<u>59</u>	<u>594830</u>	<u>5427635</u>	<u>6</u>	<u>&lt;4</u>	<u>27</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>10</u>	<u>&lt;10</u>		
<u>60</u>	<u>594855</u>	<u>5427705</u>	<u>8</u>	<u>&lt;4</u>	<u>24</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>6</u>	<u>10</u>		
<u>61</u>	<u>594825</u>	<u>5427850</u>	<u>12</u>	<u>&lt;4</u>	<u>75</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>16</u>	<u>25</u>		
<u>62 *</u>	<u>594865</u>	<u>5427880</u>	<u>8</u>	<u>&lt;4</u>	<u>16</u>	<u>&lt;4</u>	<u>8</u>	<u>20</u>	<u>15</u>		
<del>63</del>	<u>594890</u>	<u>5427980</u>									
<u>64</u>	<u>594890</u>	<u>5427980</u>	<u>14</u>	<u>&lt;4</u>	<u>36</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>12</u>	<u>20</u>		
<u>65</u>	<u>594880</u>	<u>5427355</u>	<u>14</u>	<u>&lt;4</u>	<u>26</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>20</u>		
<u>66</u>	<u>594645</u>	<u>5427820</u>	<u>8</u>	<u>&lt;4</u>	<u>27</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>14</u>	<u>&lt;10</u>		
<u>67</u>	<u>594405</u>	<u>5427870</u>	<u>4</u>	<u>6</u>	<u>18</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>8</u>	<u>15</u>		
<u>68</u>	<u>594360</u>	<u>5427886</u>	<u>8</u>	<u>10</u>	<u>28</u>	<u>&lt;4</u>	<u>10</u>	<u>10</u>	<u>20</u>		
<u>69</u>	<u>594315</u>	<u>5427890</u>	<u>2</u>	<u>&lt;4</u>	<u>28</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>&lt;4</u>	<u>15</u>		
<u>A120270 *</u>	<u>594310</u>	<u>5427895</u>	<u>6</u>	<u>8</u>	<u>26</u>	<u>6</u>	<u>12</u>	<u>14</u>	<u>10</u>		

Instructions to Analyst: \* Thin Sections

561049

Results to:



# FIELD SAMPLE DESPATCH SHEET

10297

State Tasmania Project George River Prospect No. 603 Locality St Helens  
 CSR Order No. 2066/30650 Date Sampled Oct 81 Sampler PDE  
 Date Despatched MAY 82 Despatcher PDE Despatched per TAA  
 Type of Sample ROCK  
 Lab. Name COMLABS

Sample Number Co-ordinates	From To		Chemical Analyses (ppm or %)					Sn W	Remarks
	E/W	N/S	Cu	Pb	Zn	Ni	Bi		
A120 270	594300	5227900	2	<4	26	<4	<4	18 20	
72	594250	5227905	2	<4	55	<4	<4	10 15	
73	594205	5227990	4	8	28	<4	<4	10 15	
75*	599575	5225975	10	6	80	12	14	4 15	RUBY CRE
76	599560	5225985	14	6	4	<4	<4	4 15	
78	599550	5226040	30	12	4	<4	<4	8 10	
82	599490	5226190	14	8	14	<4	<4	165 15	
83*	599505	5226225	12	6	12	<4	12	10 10	
84	599505	5226240	10	<4	50	14	<4	<4 15	
85	599505	5226240							
97	599465	5226335	22	10	4	<4	<4	<4 10	
89	599490	5226360	14	14	8	<4	<4	<4 15	
96	599455	5226625	6	8	65	<4	<4	16 <10	
99	599405	5226695	2	<4	2	<4	<4	22 10	

Instructions to Analyst: \* Thin Sections

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APPENDIX III

PETROGRAPHY OF ROCK SAMPLES  
FROM OUTCROPS IN E.L. 11/78

051

PETROGRAPHIC REPORT ON THIN-SECTIONS  
FROM THE GEORGES RIVER AREA,  
E.L. 11/78, TASMANIA

EMR 142/82

SYDNEY  
October, 1982

P.L. HELLMAN

052

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1. INTRODUCTION

Approximately 100 rocks, stained offcuts and thin-sections were received from Mr. P. Ellis of the Hobart office. The samples come from the Georges River area, Tasmania (E.L. 11/78). A simple classification of the sections was requested together with comments on their prospectiveness for tin mineralisation in the light of a recent publication by McClenaghan and Williams (1982). Due to the budget constraints placed on this work only a brief examination of the sections was undertaken. The results are presented in the form of a table with extra comments on selected samples given in Section 3.

	Sample No.	Approx. Mode					Acc.	Pl Comp.	Comments
		Q	Pl	Kf	Bi	Ms			
ANCHOR MINE	Al19954	25	35	25	<5	10	-	ol(ab)	A, m, e-ms replaces bi (pale orange-clear), fresh plag, 10% ab alteration.
	Al19955	40	35	5	<5	10	cs,fl	ab,ol	A, m, e, se 15%, secondary muscovite after biotite + albite.
	- Al19956	30	20	40	-	5	ser,ox	ab	AfG, c, p (kf to 25mm, q to 10mm), ms probably after bi, weathered.
	Al19957	30	30	30	5	<5	ser	ab-ol	m, e, sericitisation, pale green-colourless bi.
	Al19961	40	20	25	<5	10	ser,ox cs,bi	ab	G, m, e, bi altering to ms, weathered, green bi.
	Al19968	40	15	40	<5	-	ch	ab	G, m, e, brown-straw bi, weathered.
	Al19969	25	30	35	-	10	-	ab-ol	G, f-m, e, weathered, sub-prophyritic texture with fg allotriomorphic quartz.
GREYER REEF	Al19971	-	-	-	-	-	-	-	Well sorted, fine-grained quartz sandstone.
	Al19972	30	25	40	5	-	ch	ol-and	A, c, p, kf to 30mm, microcline, green dark brown bi.
	Al19973	-	-	-	-	-	-	-	A, same as Al19972.
	Al19974/1	20	50	?	10	-	ap hb,ch	ol	hb=10%, bi - pale orange-red-red brown, p, microcline.
<	Al19974/2	80	?	?	20	?	to(?)	-	f. NB - thin section of 74/1&2 do not correspond with sample.
	Al19974	35	30	35	<5	?	?	?	No t-s matches this sample.
	Al19975	35	50	5	10	-	-	and	Gd, porphyritic microgranodiorite, dark brown-pale orange bi, chloritised.
	Al19976	35	45	10	8	-	hb,ap	and	Gd, hb=10%, kf is microcline, m, e.
	Al19978	35	20	40	5	-	ap	ab	AfG, bi - olive green-green brown, c.
UMI ROAD	Al19979	15	5	75	2	<5	-	ol	Deformed alkali-felspar quartz syenite cut by mylonite zone, e, f-m.
	Al19980	30	30	35	5	<5	-	ab-ol	G, c, e, k-felspathisation, bi - red brown-pale green-orange brown.
	Al19983	30	25	40	5	<5	-	ol	A, c, k-felspathisation, bi - red brown-green brown, similar to Al19980.
	Al19986	15	15	60	<5	-	-	ol-ab	Aplite cutting A, similar to Al19980 & 83, f, e.
	Al19988	30	25	40	5	<5	ser,ap	ol	A, c, bi - red brown-pale green brown, minor secondary musc.
	Al19991	35	35	20	8	-	-	and	A, m, bi - red brown-light orange brown.
UMI ROAD BHS CK.	Al19995	35	25	35	<5	<5	to,mo	ab	AfG, c, e, bi - green brown-pale green brown, k-felspathisation.
	Al19997	35	25	35	-	-	-	ab-ol	G, c, e, bi - orange brown-green brown-pale green brown, similar to 95.
	Al20001	35	40	20	5	-	-	and-ol	Gd, c-f, p, allotriomorphic-granular quartz, bi - red brown-straw yellow.
	Al20003	30	35	30	5	-	-	and-ol	A, p, development of granular quartz.
	Al20005	30	40	25	5	-	-	and-ol	A, p (quartz to lcm), strongly porphyritic, similar to 03.
	Al20008	35	25	35	5	-	ms	ol	A, c, e, bi - red brown-pale red brown.

Sample No.	Q	Approx. Mode					Acc.	Pl Comp.	Comments
		Pl	Kf	Bi	Ms				
RUNS CK ROAD	Al20014	30	30	35	5	<5	-	ol	A, m, bi - red brown-pale straw.
	Al20016	30	25	40	5	-	-	ol	A, m, e, oxidised.
	Al20017	30	25	40	5	-	-	ol	A, m, e, weak foliation.
	Al20019	35	15	40	10	tr	mo	ol	G, c, e, bi - red brown-pale straw.
ARTZS RD	Al20021	35	30	35	-	2	-	ol	A, p/e, m-f.
	Al20023	50	10	30	-	10	-	ol	G, very coarse (late stage pegmatitic phase?).
	Al20024	30	20	50	-	-	-	ol	G, m, k-felspathisation, quartz veining.
	Al20026	35	25	35	5	-	-	ol	A, c-m, oxidised.
	Al20028	35	60	5	-	-	ch	ab/ ol-and	c, hydrothermally brecciated, albitised g'diorite.
	Al20030	30	32	32	<5	-	ch	ol	A, c, oxidised, bi - red brown-pale green brown.
	Al20031	40	20	35	-	-	-	ol	G, c, quartz rich phase, microcline, pegmatitic.
	Al20036	35	30	35	<5	-	-	ol	A, m, oxidised.
	Al20038	35	20	40	<5	-	-	ol	G, m, e, oxidised, bi - pale green-green brown.
	Al20040	30	25	40	<5	-	-	ol	A, m, e, bi - olive green-pale green-red brown.
	Al20042	30	25	40	<5	tr	ch	ol	A, m, e, bi - green brown-pale green brown, microcline.
	Al20043	30	35	30	5	-	ms	ol	A, m-f, sub-p, oxidised.
	Al20047	35	30	33	~2	tr	-	ol	G, m, bi - green-straw.
TRREE HILL	Al20048	35	30	35	-	tr	ch	ol-and	G, m-f, p, oxidised.
	Al20049	40	40	15	-	-	ap, cs?	ab-and	G, e, m, very oxidised, opaques, mostly albite.
	Al20052	45	25	-	-	10	-	-	Strongly altered (sericite/muscovite) granitoid, c, e, sericite ~25%.
	Al20055	35	25	35	5	tr	-	ab-ol	G, c, p, bi - red brown-straw, plag = 75% ol, 25% ab.
	Al20056	30	30	35	5	tr	-	ab-ol	G, m, e, bi - red brown-pale olive green-olive green, mainly ab.
	Al20058	85	-	5	-	-	-	-	Magnetite (10%), quartzite altered to hematite, no t-s of granite. (NB - 2 samples, granite + quartzite).
	Al20060	15	70	-	-	-	15%	ab-and	Albitised granitoid, m, e, amphibole = 15%, plag = 85% ab, oxidised.
	Al20062	35	25	35	<5	-	ms	ab-ol	G, p, c, bi - red brown-straw, ab = 50% of plag.
	Al20067	35	20	30	<5	-	ms	ol	G, c, e, similar to Al20062, bi - red brown-straw, oxidised.
	Al20069	35	25	35	5	-	-	ab-ol	G, m, e, similar to Al20067, bi - red brown-straw, ab = 50% plag.
what	Al20072	-	-	-	-	-	-	-	Tourmalinite - see note.
	Al20075	-	-	-	-	-	-	-	" " "
	Al20077	35	25	35	5	-	-	ol	A, m, sub-p, bi - red brown-straw, microcline.



05.

Sample No.	Q	Approx. Mode				Acc.	Pl Comp.	Comments
		Pl	Kf	Bi	Ms			
AL20201	25	10	55	-	-	am	ol	G, c, amphibole (5%-10%), secondary kf and ab.
AL20204	35	30	35	<5	-	-	ol	A, c, oxidised, microcline.
RILEY'S MILL AL20218	30	30	30	5	tr	-	ol-and	A, m, bi - green-pale green-red brown.
AL20223	30	30	35	-	-	-	ol-and	A, m, microbrecciated.
AL20231	40	20	40	<2	-	-	ol-and	G, m, microcline, bi - red brown-pale green brown (mottled).
AL20235	30	30	35	5	-	-	ol-and	A, m, p, kf to 2.5cm, bi - red brown-straw.
AL20243	40	40	15	<5	-	ep	ol	A, m, weathered, deformed.
AL20258	35	20	40	5	-	ch,ap	ol	G, c, bi - olive brown-straw.
AL20262	30	25	40	~5	-	-	ol	A, c, bi - red brown-straw, aplite dyke cutting granite, microcline.
GARDNER AL20270	30	35	35	-	-	to	ol	A, m, bi - red brown-green brown.
PHOTON AL20275	25	50	5	10	-	hb(10)	and	Gd, m, bitam = 20% of rock.
AUBY CR AL20283	25	~50	5	<5	-	hb(5)	-	Gd, m, oxidised (weathered equiv. of AL20275).

KEY

- |       |  |          |  |
|-------|--|----------|--|
| G     | = granite (classification of McClenaghan & Williams, 1982) | mo       | = monazite   |
| A     | = adamellite ( " " )                                       | to       | = tourmaline   |
| AfG   | = alkali-felspar granite ( " " )                           | cs       | = cassiterite  |
| Gd    | = granodiorite ( " " )                                     | ga       | = garnet   |
| m     | = medium grained   | Pl Comp. | = plagioclase composition (estimated by Michel-Levy technique) |
| c     | = coarse grained   | pyh      | = phrhotite  |
| f, fg | = fine grained   | ch       | = chlorite   |
| e     | = equigranular   | hb       | = hornblende   |
| p     | = porphyritic  | ap       | = apatite  |
| Q,qtz | = quartz   | ep       | = epidote  |
| Pl    | = plagioclase  | am       | = amphibole  |
| Kf    | = K-felspar  | fl       | = fluorite   |
| Bi    | = biotite  | t-s      | = thin-section   |
| Ms,ms | = muscovite  | mt       | = magnetite  |
| Acc.  | = accessories  |          |  |
| ol    | = oligoclase   |          |  |
| ab    | = albite   |          |  |
| and   | = andesine   |          |  |
| ser   | = sericite   |          |  |
| ox    | = oxides   |          |  |

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## 2. COMMENTS ON TABLE

Although a number of the samples can be discriminated petrographically into McClenaghan and Williams prospective Type I and Type II granitoids there are a number of samples which by virtue of their tourmaline content must be also considered prospective (e.g. Al20270). An accurate modal analysis of granites is very time consuming and is open to errors particularly in the determination of plagioclase composition. It is suggested that this study should be followed up by a lithochemical analysis employing key geochemical indicators such as Rb, Sr, Nb and Ti. Such a study would be far more definitive and cost effective than the present attempts using petrography.

## 3. EXTRA DESCRIPTIONS\*

The following samples have textural characteristics which are extremely interesting in terms of potential tin mineralisation:-

### Al20072 & Al20075 - Tourmaline - crystal hydrothermal breccia

These two samples consist of granitoid cut by a black fine-grained flow banded hydrothermal breccia. The breccia, by itself, has the appearance of a crystal tuff with quartz and felspar grains up to 1 cm in diameter. 40% of the breccia consists of crystals and 60% is dark matrix. In thin section the matrix consists of cryptocrystalline, green to yellow green material which 'en masse' cannot be mineralogically identified. Where, however, crystal fragments abut the matrix small (<4 microns in thickness) acicular needles of tourmaline can be distinguished. The crystal fragments are granitic (i.e. quartz, k-felspar and plagioclase/andesine) and probably represent the auto-brecciated host mineralogy.

\* I acknowledge R.J. Fountain who identified and drew attention to the tourmaline.

Al20099 - Hydrothermal breccia

This rock has at first sight all the appearances of a crystal-vitric tuff, i.e. cracked and shard-like quartz and feldspar grains set in a fine-grained matrix (50% of rock). The matrix is dominantly cryptocrystalline and yellow. The matrix consists of a fibrous aggregate of a yellow low birefringent phase (length slow) which is probably a mixture of sericite and other layer silicates. Minor (<5%) biotite occurs as flakes. These are brown to straw in colour, have abundant inclusions and have a strongly mottled birefringence. There are approximately equal amounts of feldspar and quartz in the crystal fraction. The K-feldspar is strongly perthitic and the quartz grains have a high intensity of fluid inclusions. The texture is similar to those of Al20072 and Al20075 and thus probably represents a hydrothermal crystal breccia developed from a granite.

Al20111 - Hydrothermal breccia

This has a similar texture to Al20099 though has a much higher proportion of quartz grains in the crystal fraction (50% matrix, 45% quartz crystals and 5% plagioclase crystals). Several small (40 microns length) cracked grains of tourmaline are present.

Al20121 - Adamellite cut by hydrothermal breccia veinlet

A hydrothermal breccia veinlet occurs at one edge of the section. This is similar in texture to Al20099 and Al20111 and in addition to quartz and feldspar grains has several small mica plates (strongly discoloured due to oxidation).

Al20133

2 thin-sections bearing the same number occur. One is similar to Al20099 though has muscovite as part of the crystal population. The second section consists

of a granite cut by zones of tectonic (as opposed to hydrothermal) brecciation. These zones vary in width from 0.1 mm to greater than 1 cm. The brecciation consists of a poorly sorted crystal aggregates with little hydrothermal alteration. No fine-grained matrix occurs - these zones presumably occurred due to stress in the brittle state.

Al20139 - Cataclasite granite

This is a cataclastic deformed granite and has crush textures varying in intensity to mylonitic. Little hydrothermal alteration is evident.

Al20140

Less intensely deformed equivalent of Al20139.

4. INTERPRETATION

Samples Al20072 (Sn = 42 ppm), Al20075 (Sn = 32 ppm), Al20099 (Sn = 32 ppm), Al20111 (Sn = 75 ppm), Al20121 (Sn = 12 ppm) and Al20133 (Sn = 32 ppm) have significant textures and tin concentrations (except for Al20121). The textures suggest proximity to strong hydrothermal activity in a possible apical top of a pluton or in a vent area. These features combined with the presence of tourmaline and elevated Sn concentrations may indicate a favourable area for tin mineralisation (cf. the Bolivian tin province). It is possible that samples such as Al20099 and Al20111 represent altered equivalents of Al20111 and Al20121. This could be confirmed by field relationship or geochemical analysis for boron.

5. REFERENCE

M.P. McCLENAGHAN & P.R. WILLIAMS (1982) - Distribution and Characterisation of Granitoid Intrusions in the Blue Tier Area. Tasmania Department of Mines, Geological Survey, Paper 4.

ANCHOR MINE

- A119951 Medium grained equigranular biotite/muscovite granite/  
adamellite - possibly adamellite.
- A119952 Same as A119952 except less weathered and stained.
- A119953 Similar to above - except feldspar weathered pinkish  
rather than green.
- A119954 Similar to above - weathered slate does not preclude  
granodiorite.
- A119955 Much darker, more grey quartz and dark minerals - more  
biotite and chlorite?
- A119956 Very fractured iron-stained quartz - fractured granite  
with K feldspar and quartz → true granite.
- A119997 Similar to A119954 but more kaolinised and weathered.
- A119998 Similar to A119955.
- A119959 Similar to A119955, but, more weathered.
- A119960 Similar to A119952.
- A119961 Midway between A119954 and A119955.
- A119962 Very fine grained - aplite
- A119963 Medium to coarse-grained equigranular biotite, granite/  
adamellite.
- A119964 Similar to A119955.
- A119965 Similar to A119955.
- A119966 Similar to A119963.
- A119967 Similar to A119968 but with a few larger feldspars.
- A119968 Similar to A119963.
- A119969 Aplite - similar to A119962.

FORESTER CREEK TRIBUTARY

- A119970 Very coarse feldspars and quartz - finer biotite.
- A119971 Very fine - much finer than A119969.
- A119972 Very coarse - similar to A119970 - less weathered.
- A119973 Similar to A119972 but finer quartz/feldspar groundmass  
between feldspar phenocrysts.
- A119974 Four pieces - 1 similar to A119972, 2 similar to A119971,  
fine to medium with minor pyrite? - dark.
- A119975 Two pieces - both dark, 1 medium to coarse with equi-  
dimensional quartz, feldspar, biotite - other fine to  
medium with feldspar phenocrysts - similar to A119976.

- 063
- A119976** Fine to medium - coarser grains of feldspar, quartz and biotite in finer groundmass.
- A119977 Similar to A119972.
- A119978** Similar to A119972 - slightly finer - alteration rims on some feldspars.
- A119979** Fine grained - few dark minerals - sheared.
- A119980** Similar to A119972 - fewer feldspar phenocrysts.
- A119981 Parts similar to A119979 - others similar to A119980 - contact zone.
- A119982 Two pieces - 1 similar to A119979, other similar to A119983.
- A119983** Similar to A119980 but fine.
- A119984 Similar to A119980.
- A119985 Similar to A119983.
- A119986** Contact between A119979 and A119980.
- A119987 Similar to A119983 - slightly less weathered and possibly more coarse.
- A119988** Similar to A119987.
- A119989 Similar to A119987.
- A119990 Similar to A119987.
- A119991** Fine to medium grained, equigranular, quartz feldspar biotite (possibly similar to A119976).
- A119992 Sediment - fine grained - spotted hornfels - shale/siltstone.
- A119993 Similar to A119991.
- A119994 Similar to A119987.
- A119995** Medium to coarse - feldspar phenocrysts - mainly quartz feldspars - some biotite.
- A119996 Very coarse weathered - similar to A119997.
- A119997** Similar to A119995.
- A119998 Similar to A11997.
- A119999 Similar to A119972.
- A120000 Very weathered and coarse - similar to A119996.
- A120001** Similar to A119991 - fine to medium grained.
- A120002 Similar to A119996 - also A119972 - very weathered.
- A120003** Similar to A119972 - although the groundmass is finer.
- A120004 Similar to A120003.
- A120005** Feldspar phenocrysts in fine to medium groundmass.

A120006 Similar to A120005.  
 A120007 Similar to A119996.  
 A120008 Coarse grained. Similar to A119972.  
 No rocks Nos. A12009 to A120013  
 A120014 Similar to A120008, but finer.  
 A120015 Similar to A120008.  
 A120016 Two pieces - 1 coarse, similar to A120014, other  
 finer, similar to A119995.  
 A120017 Similar to A119997, although more weathered.  
 A120018 Similar to A120014, very weathered.  
 A120019 Two pieces - 1 similar to A119997; other similar to  
 A120008.  
 A120020 Similar to A120008.

CARTERS ROAD

A120021 Mainly fine grained, but with coarse bands - fine  
 grained part similar to A119969.  
 A120022 Similar to A120021.  
 A120023 Two pieces - 1 similar to A120021, other very coarse  
 with muscovite.  
 A120024 Similar to A120021 but with quartz veins.  
 A120025 Similar to A120008 and A120026 - very weathered.  
 A120026 Similar to A120008, but with fewer dark minerals.  
 A120027 Similar to A120008.  
 A120028 Similar to A120026 - 2 other pieces are quartz rich.  
 A120029 Similar to A120072.  
 A120030 Two pieces - 1 (coarse) similar to A120008, 1 (fine)  
 similar to A119991.  
 A120032 Similar to A120072.  
 A120033 Two pieces - 1 fine similar to A119991, other similar  
 to A120072.  
 A120034 Similar to A120005 - some reaction rings of feldspars.  
 A120035 Similar to A120034.  
 A120036 Three pieces - all same - fine to medium - similar to  
 A119991 but not as dark.  
 A120037 Similar to A120034.  
 A120038 Similar to A119995.  
 A120039 Very fine - similar to A119997.

- 065
- A120040 Medium to coarse - similar in some ways to A119983.  
 A120041 Similar to A119983 - some feldspar phenocrysts.  
 A120042 Medium to coarse - some feldspar phenocrysts - finer but similar to A119983.  
 A120043 Fine to medium - similar to A119991, although not as dark.  
 A120044 Similar to A120040.  
 A120045 Similar to A120044.  
 A120046 Similar to A119991.  
 A120047 Coarse - similar to A120040.

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- A120048 Two pieces - 1 similar to A119969 - other more dark minerals.  
 A120049 Similar to A119983 but with more Fe.  
 A120050 Similar to second part of A120008.  
 A120051 Similar to A120008.  
 A120052 Similar to A119954 and A119955 but coarser - muscovite common.  
 A120053 Similar to A119995.  
 A120054 Similar to A120053.  
 A120055 Similar to A120053.  
 A120056 Similar to A120053 - including a quartz vein.  
 A120057 Similar to A120053 and A120098 (most).  
 A120058 Two pieces - 1 similar to A120008 and A119997 - other is zenolith in granite.  
 A120059 Similar to A120053.  
 A120060 Mainly similar to A120053 - one piece\* with much more dark mineral.  
 A120061 Similar to A120008. Large feldspars.  
 A120062 Coarse to very coarse - similar in some ways to A119972 - reaction rings on feldspars.  
 A120063 Mainly similar to A120053 - 1 piece finer similar to 2nd part of A120048.  
 A120064 Fine grained aplite.  
 A120065 Similar to A120053.  
 A120066 Very coarse and weathered - similar to A120053 but much coarser.

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- A120067 Similar to A120008.
- A120068 Similar to A120053.
- A120069 Similar to A120026.
- A120070 Similar to A120069.
- A120071 Similar to A120053.
- A120072 Dark fine grained with feldspar phenocrysts - similar to A120005.
- A120073 Similar to A120053.
- A120074 Similar to A120008.
- A120075 Very fine grained black material similar to A120005 - smaller phenocrysts.
- A120076 Similar to A119972.
- A120077 Medium grained.
- A120078 Two pieces - 1 similar to A120008, other very fine aplite.
- A120079 Similar to A120008 but appears to be more silicified.
- A120080 Similar to A120079 - more weathered.
- A120081 Similar to A120079 - not as much silica.
- A120082 Similar to A120026 - more iron-stained.
- A120083 Dark grey to black fine grained intrusive with small white inclusions - similar to A120005.
- A120084 Two pieces - 1 is fine grained aplite - similar to A120048 - other coarse porphyritic, similar to A120008.
- A120085 Similar to A119983 - not as coarse as A120008.
- A120086 Similar to A120083.
- A120087 Similar to A119983 but appears to be altered.
- A120088 Similar to A119983.
- A120089 Medium grained biotite rich - large feldspar phenocrysts altered.
- A120090 Similar to A120008 - more altered.
- A120091 Originally a granite but altered - 4 pieces all same.
- A120092 Two pieces - 1 similar to A120088 and A120083 - other similar to A119983.
- A120093 Quartz veins - no other minerals in the veins - 2 pieces.
- A120094 Similar to A120008.
- A120095 Similar to A119982 but very weathered,
- A120096 Fine grained, similar to A119991 - not as dark and A119961.
- A120097 Very fine grained - similar to A120048.

- 067
- A120098 Aplite - minor biotite concentrations in areas.  
A120099 Very weathered - muscovite in granite.  
A120100 Two pieces - one coarse similar to A12008 - other finer similar to A119983.  
A120101 Similar to A119997.  
A120102 Similar to A119997 and A119983 - more weathered - slightly coarser towards A120008.  
A120103 Similar to A119997.  
A120104 Similar to A119997 and A119983 - some grain size variation and alteration - possibly weathering.  
A120105 Fine grained silicified altered granite.  
A120106 Similar to A120105 but slightly coarser and less altered.  
A120107 Alteration similar to A120105 - texturally and compositionally similar to A119997.  
A120108 Similar to A119997 and A119995.  
A120109 Similar to A120008.  
A120110 Similar to A120008.  
A120111 Very weathered - similar to A120099.  
A120112 Similar to A119995 and as coarse and some similarity to A120108.  
A120113 Similar to A120048 but with coarser grains as well.  
A120114 Similar to A120008.  
A120115 Similar to A119983 and A119995.  
A120116 Similar to coarse part of A119974, similar in some ways to A120108.  
A120117 Similar to A119987 but coarser.  
A120118 Similar to A119957.  
A120119 Similar to A120089 but dark mineral concentrations and alteration.  
A120120 Similar to A119955  
A120121 Fine grained, quartz muscovite biotite feldspar.  
A120122 Similar to A119995 - more weathered.  
A120123 Similar to A119976.  
A120124 Similar to A119972 - small biotite concentrations  
A120125 Very coarse grained - similar to A120008.  
A120126 Two pieces - 1 piece like A120125, the other similar to A120048.  
A120127 Two pieces of black intrusive in altered granite.

- A120128 Similar to A119991 but with slightly less dark minerals.  
A120129 Aplite.  
A120130 Two pieces - 1 piece similar to A119983, other fine  
similar to A119991 but weathered.  
A120131 Three pieces - one very weathered - one aplitic - one  
similar to A120148 and A120132.  
A120132 Veined fine granite  
A120133 Two pieces - one very weathered other dominantly sheared  
quartz rich.  
A120134 Two pieces - one similar to A120148 - other has dark  
intrusive similar to A120083.  
A120135 Fine grained very weathered - feldspar + quartz rich -  
aplitic.  
  
A120136 Two pieces - both fine aplite - similar to A119969.  
A120137 Very weathered, coarse grained - similar to A120008  
A120138 Similar to A120008 - weathered.  
A120139 Silicified weathered medium grained granite.  
A120140 Medium to coarse grained granite - silicified.  
A120141 Two pieces - 1 similar to A120008 - other similar to  
A119997.  
A120142 Similar to A119995.  
A120143 Similar to A119983.  
A120144 Similar to A119995 - slightly more biotite.  
A120145 Similar to A120008 but more weathered.  
A120146 Similar to A119997.  
A120147 Similar to A119983.  
A120148 Similar to A119997 but more weathered.  
A120149 Similar to A120148.  
A120150 Similar to A120105 but coarse - Similar to A120008.  
A120151 Silicified medium to coarse grained - mainly quartz  
+ feldspar - minor biotite.  
A120152 Similar to A120151.  
A120153 Similar to A119995 but more weathered.  
A120154 Similar to A120008.  
A120155 Very coarse grained - similar to A119995.  
A120156 similar to A119997.  
A120157 Two pieces - 1 very coarse mainly feldspar - probably  
similar to A119995 but weathered - other veined and  
altered.

- 069
- A120158 Similar to A119997.
  - A120159 Similar to A119997.
  - A120160 Similar to A120008.
  - A120161 Similar to A119997 - some of the feldspar are very large.
  - A120162 Two pieces - 1 similar to A119997, other biotite in concentrations - medium grained muscovite similar to A120166.
  - A120163 Similar to A120008 - very coarse.
  - A120164** Coarse feldspars in fine to medium matrix.
  - A120165 Similar to A119995.
  - A120166** Coarse concentrations of biotite in medium grained quartz feldspar and muscovite.
  - A120167 Similar to A120166.
  - A120168 Similar to A120151.
  - A120169 Similar to A120164.
  - A120170 Similar to A120164.
  - A120171 Similar to A120164, but more weathered.
  - A120172** Silicified pink feldspar, quartz and minor biotite - similar to A120151.
  - A120173 Very coarse, similar to A120008.
  - A120174 Similar to A120164 - more weathered.
  - A120175 Similar to A120008.
  - A120176** Similar to A120151 but with a breccia zone.
  - A120177 Similar to A120008.
  - A120178 Similar to A120166.
  - A120179 Similar to A120008.
  - A120180** Two pieces - 1 similar to A120164, other is coarse feldspar in fine ground mass - altered.
  - A120181 Similar to A119998 - other is aplite - fine, light coloured.
  - A120182 Similar to A120008.
  - A120183 Similar to A119995.
  - A120184 Similar to A120008.
  - A120185 Similar to A120175 - more weathered and more coarse.
  - A120186** Similar to A120166 and A119974 - darker and iron stained.
  - A120187 Sheared quartz rich zone - similar to A120176.
  - A120188** Silicified - coarse feldspars and quartz grains.
  - A120189 Similar to A120008.

- 070
- A120190 Similar to A120164.
  - A120191 Quartz vein.
  - A120192 Silicified - similar to A120188, but more weathered.
  - A120193 Similar to A120164.
  - A120194 Similar to A120166.
  - A120195 Similar to A120194.
  - A120196 Similar to A120164.
  - A120197 Similar to A120164 - some similarities in texture to A120008.
  
  - A120198 Similar to A120008.
  - A120199 Similar to A120008.
  - A120200** Similar to A120164 and A12008.
  - A120201** Silica rich quartz with some altered greenish mineral.
  - A120202 Similar to A120008.
  - A120203 Similar to A119972 - some very large feldspars - coarse biotite.
  
  - A120204** Similar to A119972 - some aligned feldspars.
  - A120205 Similar to A120204.
  - A120206 Similar to A119997 - possibly more quartz.
  - A120207 Two pieces - one coarse, similar to A120008, other fine aplite.
  
  - A120208 Similar to A120008.
  - A120209 Two pieces - one similar to A120089, other similar to A120008 but not as coarse.
  
  - A120210 Similar to A120008.
  - A120211 Similar to A119995.
  - A120212 Similar to A120164 - coarse feldspar fine groundmass.
  - A120213 Similar to A120166.
  - A120214 Similar to A120166.
  - A120215 Similar to A120164.
  - A120216 Similar to A120164 and A120008.
  - A120217 Similar to A120008 - veyr coarse.
  - A120218** Similar to A120116 but with some large feldspars and many fine biotites.
  
  - A120219 Silicified - similar to A120172.
  - A120220 Similar to A120008 - with very large feldspars.
  - A120221 Similar to A120008.
  - A120222 Similar to A120008 - finer overall.
  - A120223** Very weathered - possibly some mineralisation (Cu).

- A120224 Fine grained aplite.
- A120225 Very weathered, some textures similar to A120151.
- A120226 Aplite dyke
- A120227 Very coarse, similar to A120008 - weathered.
- A120228 Similar to A120151 - more free silica.
- A120229 Very weathered - similar to A120223.
- A120230 Quartz vein.
- A120231 Two pieces - 1 fine similar to A120008 - other fine minor biotite.
- A120232 Fine similar to A120009.
- A120233 Similar to A120008 - very coarse.
- A120234 Similar to A120164 - very coarse.
- A120235 Similar to A120164 but with very fine grained mass - coarse feldspars.
- A120236 Similar to A119972.
- A120237 Similar to A120235.
- A120238 Similar to A120166.
- A120239 Similar to A120166 and A119972.
- A120240 Similar to A119972.
- A120241 Similar to A120172 but with green alteration (dioritic).
- A120242 Similar to A119972.
- A120243 Silicified and iron stained - altered - similar to A119972.
- A120244 Similar to A119972 but slight alteration.
- A120245 Similar to A119972.
- A120246 Similar to A119972.
- A120247 Similar to A120026 and A120040.
- A120248 Similar to A120247.
- A120249 Similar to A120218.
- A120250 Quartz vein.
- A120251 Similar to A119972 - finer.
- A120252 Similar to A120008 - weathered.
- A120253 Two pieces - 1 similar to A120176 - silicified - other similar to A119997 but with much biotite.
- A120254 Similar to A119972 - coarser than A119997.
- A120255 Similar to A120008 - weathered.
- A120256 Similar to A119997.
- A120257 Quartz vein in silicified granite - altered.
- A120258 Similar to biotitic A120253.
- A120259 Similar to A119972.

- 072
- A120260 Similar to A119972 - weathered.  
A120261 Two pieces - 1 aplite, other aplite veins in A120008 type granite.  
**A120262** Aplite vein in coarse grained feldspar and quartz (similar to A120164).
- A120264 Similar to A119972.  
A120265 Similar to A120008.  
A120266 Similar to A119972.  
A120267 Very weathered - similar to A120008 and A119972.  
A120268 Very weathered - similar to A120008.  
A120269 Similar to A120008 and A119972 - very weathered.  
**A120270** Partially weathered - medium feldspars, fine biotite and groundmass.  
A120271 Similar to A120164.  
A120272 Similar to A120008.  
A120273 Similar to A120008 and A119997 - weathered
- A120275** Granodiorite.  
A120276 Aplitic.
- A120278 Fine grained aplite - minor concentrations of dark minerals.
- A120282 Quartz vein.  
**A120282** Two pieces - 1 coarse sheared quartz rich, other similar to A120008 but weathered.  
A120284 Similar to A120275 - more weathered.
- A120287 Aplite.
- A120289 Aplite - slightly coarser.
- A120296 Similar to A120275.
- A120298 Aplite - very similar to A119969 in some respects - less feldspar.

IDENTIFICATION OF GRANITOID SPECIMENS FOR CSR EXPLORATION,  
N.E. TASMANIA

- A119969 Fine-grained muscovite granite with small quartz and feldspar phenocrysts.
- A119954 Medium-grained equigranular biotite/muscovite.
- A119991 Foliated biotite microgranite.
- A119968 Coarse-grained equigranular biotite granite/adamellite.
- A119957 Very weathered specimen of unknown affinities.  
 Ubiquitous presence of biotite suggests that this may be related to the adamellite bodies.
- A119956 Fractured granite. Abundance of K feldspar and quartz suggests a true granite composition.
- A119955 ) All very similar rocks in a different state of weathering.
- A119961 ) The condition of A119954 precludes identification of
- A119954 ) feldspar compositions. The other two are altered granitoids, the presence of biotite and chlorite(?) suggesting adamellite affinities.  
 They are altered medium grained equigranular biotite granite/adamellites.  
 However the possibility that A119954 is a granodiorite cannot be excluded

The above identifications are not very satisfactory, largely because of the material presented. Identification of granitoids is based on the relative proportions of albite, K feldspar and other plagioclases. Such a determination is rarely possible in hand specimens unless the material is fresh and unaltered. A more positive identification would be possible if locations of the specimens were known, but ultimately it is necessary to either stain the rocks or examine thin sections to make a positive identification.

P.R. WILLIAMS (geologist)  
 Tas. Department of Mines

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APPENDIX IV

DESCRIPTIONS AND GEOCHEMICAL ANALYSES OF THE  
FERNTREE HILL PERCUSSION DRILLING

CSR LIMITED - SAMPLE DATA SHEET



FTM

075

AREA GEORGE RIVER ELH/78  
STATE TAS LOCATION FERRIS HILL

PROSPECT NUMBER 603  
1:100,000 SHEET GEORGE'S BAY

DATE SAMPLED 3/2/82  
SAMPLER PPE

LABORATORY REPORT NO. \_\_\_\_\_  
ANALYTICAL METHOD \_\_\_\_\_

NOTATIONS: SAMPLE TYPE - M - Creek mud, S - Soil  
SA - Soil Auger, RC - Drill Core,  
RP - Percussion Chips  
ANALYSES: Please state element

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	SAMPLE TYPE	APPROXIMATE DEPTH (METERS)	CHEMICAL ANALYSES (ppm)								SUMMARY DESCRIPTION	LOCATION		
			Cu	Pb	Zn	Ni	Bi	Sn	W	E/W		N/E		
A139752	RP		4	1.0	1.6	0	0	50	1.5	0-1.5m	FTM/1	Qty pebbles at surface then yellow brown weathered g/bt granite	533.200	562.100
A139753	RP		6	0	2.6	0	8	34	2.5	1.5-2.25m	FTM/2-1	Weathered - hard fine grey g/bt granite		
A139754	RP		8	1.2	2.5	0	0	4.2	4.0	2.25-3.0m	-2	" " " " " " " "		
A139755	RP		1.2	6	3.0	0	0	5.5	2.0	3.0-3.75m	FTM/2-2	" " " " " " " "		
A139756	RP		1.4	1.0	3.0	0	0	2.6	3.0	3.75-4.5m	-2	" " " " " " " "		
A139757	RP		2.0	1.4	4.2	0	8	7.5	3.5	4.5-5.25m	FTM/2-1	Generally hard but with <del>some</del> bands of soft material fine grey g/bt granite		
A139758	RP		1.2	4	2.8	0	0	2.8	3.0	5.25-6.0m	-2	" " " " " " " "		
A139759	RP		1.8	1.2	4.0	0	0	3.6	2.5	6.0-6.75m	FTM/2-1	" " " " " " " "		
A139760	RP		2.0	1.6	7.5	0	0	1.6	2.0	6.75-7.5m	-2	" " " " " " " "		
A139761	RP		1.4	2.6	4.4	0	6	2.4	3.0	7.5-8.25m	FTM/2-1	Hard fine grey yellow g/bt granite		
A139762	RP		1.0	1.4	3.2	0	0	2.2	2.0	8.25-9.0m	-2	" " " " " " " "		
A139763	RP		1.6	1.0	4.8	0	1.0	5.5	2.0	9.0-9.75m	FTM/2-1	Soft weathered orange bands of fine g/bt granite		
A139764	RP		1.2	2.6	4.2	0	6	4.0	2.5	9.75-10.5m	-2	" " " " " " " "		
A139765	RP		1.6	1.6	5.0	0	1.0	3.4	1.5	10.5-11.25m	FTM/2-1	" " bands " white " " " " " " "		
A139766	RP		1.4	1.2	6.0	0	1.0	3.8	2.0	11.25-12.0m	-2	" " " " " " " "		
A139767	RP		2.2	1.4	6.5	0	0.6	3.0	1.5	12.0-12.75m	FTM/2-1	" " " " " " " "		
A139768	RP		2.0	1.0	4.8	0	1.0	5.5	2.5	12.75-13.5m	-2	" " " " " " " "		
A139769	RP		1.0	0	5.0	0	1.2	3.2	2.0	13.5-14.25m	FTM/2-1	" " " " " " " "		
A139770	RP		1.0	6	5.0	0	1.6	2.6	4.5	14.25-15.0m	-2	Fine hard sugary grey g/bt granite		
A139771	RP		1.2	8	6.0	0	1.2	3.6	2.0	15.0-15.75m	FTM/2-1	" " " " " " " "		
A139772	RP		6	8	4.4	0	1.0	6	2.0	15.75-16.5m	-2	" " " " " " " "		
A139773	RP		1.0	1.2	6.0	0	1.0	2.2	2.0	16.5-17.25m	FTM/2-1	" " " " " " " "		
A139774	RP		1.4	1.0	8.5	0	8	6.5	2.5	17.25-18.0m	-2	" " " " " " " "		
A139775	RP		2.6	8	12.5	0	1.6	11.0	3.5	18.0-18.75m	FTM/2-1	" " " " " " " "		

561075







CSR LIMITED-SAMPLE DATA SHEET



FTH 4. 079

AREA GEORGE RIVER ELH/78 PROSPECT NUMBER 603  
 STATE TAS LOCATION FERNBERG HILL SHEET GEORGE'S BAY

DATE SAMPLED 3/2/82  
 SAMPLER PDE

LABORATORY REPORT NO. COM 820861  
 ANALYTICAL METHOD Cu, Pb, Zn, Ni, Bi by AAS-1  
Sn, W by XRF-1

NOTATIONS: SAMPLE TYPE - M - Creek mud, S - Soil  
 SA - Soil Auger, RC - Drill Core,  
 RP - Percussion Chips  
 R - Rock  
 ANALYSES: Please state element

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (mm)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION	
			Cu	Pb	Zn	Ni	Bi	Sn	W	E/W	N/P				
A139776	RP		2	8	1.2	0	8	1.4	2.0			FTH/1 0-1.5m Thin horizon of grey pebbles to 2mm - thin yellow brown weathered grey granite	S93300	5421500	
A139777	RP		6	1.4	3.2	0	4	2.6	1.5			FTH/2-1.5-2.25m Weathered - soft pale yellow grey granite			
A139778	RP		4	6	1.6	0	0	1.8	1.0			FTH/6-2 2-15-3.0m " " " " " "			
A139779	RP		4	2.8	2.2	0	0	8	2.0			FTH/6-1 3.0-2.75m " " " " " "			
A139780	RP		2	1.6	2.0	0	6	9	1.5			FTH/6-2 3.25-4.5m " " " " " "			
A139781	RP		4	6.0	2.2	0	0	1.8	1.5			FTH/6-1 4.5-5.25m " " " " " "			
A139782	RP		2	2.4	1.8	0	0	2.4	1.0			FTH/6-2 5.25-6.0m " " " " " "			
A139783	RP		4	6.0	1.6	0	4	0	1.0			FTH/6-1 6.0-6.75m " " " " " "			
A139784	RP		2	2.6	1.6	0	4	2.4	1.5			FTH/6-2 6.75-7.5m " " " " " "			
A139785	RP		2	2.0	2.0	0	0	0	1.5			FTH/6-1 7.5-8.25m Fresh hard light grey grey granite			
A139786	RP		6	4	2.6	0	8	8	1.5			FTH/6-2 8.25-9.0m " " " " " "			
A139787	RP		4	4	3.0	0	4	0	1.5			FTH/7-1 9.0-9.75m " " " " " "			
A139788	RP		0	0	3.0	0	0	0	1.5			FTH/7-2 9.75-10.5m " " " " " "			
A139789	RP		6	8	2.6	0	0	1.0	1.0			FTH/8-1 10.5-11.25m " " " " " "			
A139790	RP		4	4	2.6	0	0	0	2.0			FTH/8-2 11.25-12.0m " " " " " "			
A139791	RP		4	0	2.2	0	0	1.0	2.5			FTH/9 12.0-12.75m " " " " " "			

561080





CSR LIMITED-SAMPLE DATA SHEET



FTN 0. 08

AREA GEORGE RIVER ELH/78  
STATE TASMANIA LOCATION FERNVLET HILL

PROSPECT NUMBER 603  
SHEET GEORGES BAY

DATE SAMPLED 22/2/82  
SAMPLER A. J.

LABORATORY REPORT NO. COM 921161  
ANALYTICAL METHOD AA51 - Cu, Pb, Zn, Ni, Bi; XRF1 - Sn, W.

NOTATIONS: SAMPLE TYPE - M - Creek mud, S - Soil  
SA - Soil Auger, RC - Drill Core,  
RP - Percussion Chips  
R - Rock  
ANALYSES: Please state element

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	SAMPLE TYPE	ANALYSE ELEMENTS (ppm)	CHEMICAL ANALYSES (ppm)							SUMMARY DESCRIPTION	LOCATION			
			Cu	Pb	Zn	Ni	Bi	Sn	W		E#	N#		
A134852	RP		8	3.6	8.5	0	0	2.2	2.0	ETH6/1	2.5-4.0m	Yellow brown weathered gfs fs mv granite 1-5mm grains	5933.00	5421.000
A134853	RP		4	3.2	7.0	0	0	2.4	0	ETH6/2	4.0-5.5m	" " " " " " " " " " " "		
A134854	RP		6	3.0	6.5	0	0	1.0	1.0	ETH6/3	5.5-7.0m	" " " " " " " " " " " "		
A134855	RP		6	2.9	7.5	0	0	1.2	1.0	ETH6/4	7.0-8.5m	" " " " " " " " " " " "		
A134856	RP		6	1.9	10.0	0	0	1.0	1.5	ETH6/5	8.5-10.0m	" " " " " " " " " " " "		
A134857	RP		6	1.8	12.0	0	0	1.4	1.5	ETH6/6	10.0-11.5m	Red brown weathered gfs fs mv granite + gfs fs chips 1-2mm		
A134858	RP		6	2.0	10.0	0	0	1.0	1.0	ETH6/7	11.5-13.0m	" " " " " " " " " " " "		
A134859	RP		6	2.0	12.0	0	0	2.0	1.0	ETH6/8	13.0-14.5m	" " " " " " " " " " " "		
A134860	RP		0	1.8	11.0	0	0	8	1.0	ETH6/9	14.5-16.0m	" " " " " " " " " " " "		
A134861	RP		6	1.5	10.5	0	0	1.6	1.0	ETH6/10	16.0-17.5m	Brown gfs fs clay rich sand 1mm. Gss weathered		
A134862	RP		6	1.4	11.0	0	0	2.2	1.0	ETH6/11	17.5-19.0m	Brown slightly weathered gfs fs clay sandy weathered granite <1mm		
A134863	RP		6	1.9	12.0	0	0	2.0	2.0	ETH6/12	19.0-20.5m	" " " " " " " " " " " "		
A134864	RP		6	2.0	10.0	0	0	2.2	1.0	ETH6/13	20.5-22.0m	Brown chloritic gfs fs granite soil/weathered granite <0.5mm		
A134865	RP		6	2.4	4.0	0	0	1.6	1.5	ETH6/14	22.0-23.5m	Chloritic gfs fs + pink fs sand + clay <0.5mm - heavy fs slight weathering		
A134866	RP		6	2.0	6.5	0	0	6	1.0	ETH6/15	23.5-25.0m	Red grey brown gfs fs pink fs chloritic + chlorite <2mm gfs		
A134867	RP		6	1.8	6.0	0	0	1.0	1.0	ETH6/16	25.0-26.5m	Pink grey gfs fs granite 1-2mm + blue grey chlorite <1mm		
A134868	RP		0	1.6	6.0	0	0	6	1.0	ETH6/17	26.5-28.0m	" " " " " " " " " " " "		
A134869	RP		6	1.2	5.5	0	0	6	0	ETH6/18	28.0-29.5m	" " " " " " " " " " " "		
A134870	RP		0	1.8	4.6	0	0	6	1.5	ETH6/19	29.5-31.0m	Fresh 1-2mm gfs pink fs granite + <1mm pink grey granite with chlorite		
A134871	RP		8	2.2	6.0	0	0	4	1.5	ETH6/20	31.0-32.5m	Red fs granite with pink grey chlorite <1mm		
A134872	RP		6	1.6	6.0	0	0	1.2	1.0	ETH6/21	32.5-34.0m	" " " " " " " " " " " "		
A134873	RP		0	1.0	5.5	0	0	6	0	ETH6/22	34.0-35.5m	" " " " " " " " " " " "		
A134874	RP		0	6	4.0	0	0	6	1.0	ETH6/23	35.5-37.0m	Pink grey granite - hard dry 1-2mm chlorite		
A134875	RP		0	0	3.8	0	0	8	1.5	ETH6/24	37.0-38.5m	Coarse (1-6mm) gfs pink fs chloritic granite - blue black ch 5.5		
A134876	RP		0	1.0	4.6	0	0	1.2	0	ETH6/25	38.5-40.0m	" " " " " " " " " " " "		
												Then grey mud with <1mm gfs fs granite chips		

gfs = quartz  
fs = feldspar  
mv = muscovite  
bt = biotite  
chl = chlorite

0<=2 0<=4 0<=4 0<=4 0<=4 0<=10

561083



CSR LIMITED-SAMPLE DATA SHEET



FTH 9  
084

AREA GEORGE RIVER ELU/78  
STATE TAS LOCATION GEORGE HILL  
PROSPECT NUMBER 603  
SHEET GEORGE BAY

DATE SAMPLED 2/3/92  
SAMPLER P.D.E

LABORATORY REPORT NO. COM 820861  
ANALYTICAL METHOD Cu, Pb, Zn, Ni, Bi, Sn, W by AAS-1  
Sn, W by AAS-1

NOTATIONS: SAMPLE TYPE - M - Creek mud, S - Soil  
SA - Soil Auger, RC - Drill Core,  
RP - Percussion/Chip  
R - Rock  
ANALYSES: Please state element

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	STATE	ANALYSE	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION	
			Cu	Pb	Zn	Ni	Bi	Sn	W						E/W
A139792	RP		6	12	22	4	0	60	15				FTH7/1 0-1.5m Orange brown weathered zone of ls granite	593.400	54.21000
A139793	RP		8	32	25	0	0	20	20				FTH7/2 1.5-3.0m " " " " " "		
A139794	RP		5	60	28	0	0	14	15				FTH7/3 3.0-4.0m Pale yellow weathered of ls granite		
A139795	RP		6	55	38	0	0	75	25				FTH7/4 4.0-4.5m " " " " " "		
A139796	RP		6	120	55	0	0	12	20				FTH7/5-1 4.5-5.25m " " " " " "		
A139797	RP		6	90	30	0	0	10	20				FTH7/5-2 5.25-6.0m " " " " " "		
A139798	RP		6	120	32	0	0	4	10				FTH7/6-1 6.0-6.75m " " " " " "		
A139799	RP		8	130	49	0	0	16	20				FTH7/6-2 6.75-7.5m " " " " " "		
A139800	RP		8	180	32	0	0	14	20				FTH7/7-1 7.5-8.25m " " " " " "		
A139801	RP		10	110	46	0	0	14	25				-2 8.25-9.0m Hard grey of ls, lt granite - fine		
A139802	RP		8	38	50	0	0	10	20				FTH7/8-1 9.0-9.75m " " " " " "		
A139803	RP		8	16	38	0	0	8	15				-2 9.75-10.5m " " " " " "		
A139804	RP		10	10	46	0	0	10	15				FTH7/8-1 10.5-11.25m " " " " " "		
A139805	RP		10	12	70	0	0	20	15				-2 11.25-12.0m " " " " " "		
A139806	RP		8	18	40	0	0	12	15				FTH7/9-1 12.0-12.75m " " " " " "		
A139807	RP		8	16	50	0	0	8	0				-2 12.75-13.5m " " " " " "		
A139808	RP		8	10	40	0	0	20	15				FTH7/10-1 13.5-14.25m " " " " " "		
A139809	RP		8	6	46	0	0	14	15				-2 14.25-15.0m " " " " " "		
A139810	RP		8	12	46	0	0	9	20				FTH7/12-1 15.0-15.75m " " " " " "		
A139811	RP		10	6	50	0	0	18	15				-2 15.75-16.5m " " " " " "		
A139812	RP		10	10	34	0	0	10	0				FTH7/13-1 16.5-17.25m " " " " " "		
A139813	RP		10	18	46	0	0	40	20				-2 17.25-18.0m " " " " " "		
A139814	RP		16	22	65	0	0	38	15				FTH7/14-1 18.0-18.75m " " " " " "		
A139815	RP		12	14	42	0	0	28	10				-2 18.75-19.5m " " " " " "		
A139816	RP		12	16	44	0	0	16	25				FTH7/15-1 19.5-20.25m " " " " " "		
A139817	RP		14	14	44	0	0	26	10				-2 20.25-21.0m " " " " " "		
A139818	RP		12	20	50	0	0	14	10				FTH7/16-1 21.0-21.75m " " " " " "		
A139819	RP		16	24	55	0	0	46	15				-2 21.75-22.5m " " " " " "		
A139820	RP		14	24	70	0	0	12	0				FTH7/17-1 22.5-23.25m " " " " " "		
A139821	RP		10	26	60	0	0	10	0				-2 23.25-24.0m " " " " " "		
A139822	RP		8	20	46	0	0	18	25				FTH7/18-1 24.0-24.75m " " " " " "		
A139823	RP		0	16	40	0	0	12	20				-2 24.75-25.5m " " " " " "		
A139824	RP		12	18	65	0	0	10	15				FTH7/19-1 25.5-26.25m " " " " " "		
A139825	RP		8	24	50	0	0	8	15				-2 26.25-27.0m " " " " " "		
A139826	RP		4	14	42	0	0	8	10				FTH7/20- 27.0-27.75m " " " " " "		

561085









CSR LIMITED-SAMPLE DATA SHEET



FTH 10

089

AREA GEORGE RIVER ELM/28  
STATE TAS LOCATION FEARREE HILL

PROSPECT NUMBER 603  
1:100,000 SHEET GEORGES 844

DATE SAMPLED 22/2/82  
SAMPLER P.D.F

LABORATORY REPORT NO. COM 821161  
ANALYTICAL METHOD Cu, Pb, Zn, Ni, Bi by AAS-1  
Sn, W by XRF-1

NOTATIONS: SAMPLE TYPE - M - Creek mud, S - Soil  
SA - Soil Auger, RC - Drift Core,  
RP - Percussion Chips  
R - Rock  
ANALYSES: Please state element

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	SAMPLE TYPE	ANALYSES (ppm)	CHEMICAL ANALYSES (ppm)							SUMMARY DESCRIPTION	LOCATION	
			Cu	Pb	Zn	Ni	Bi	Sn	W		E/W	N/S
A134964	RP		6	2.6	4.6	0	0	1.0	2.0	FTH/1		
A134965	RP		6	8.0	4.5	0	0	6	1.0	FTH/2		
A134966	RP		6	1.4	5.0	0	0	1.8	1.0	FTH/3		
A134967	RP		4	1.8	6.5	0	0	2.0	1.0	FTH/4		
A134968	RP		1.0	1.2	6.5	0	0	2.0	1.0	FTH/5 Check		
A134969	RP		6	1.6	5.5	0	0	2.2	1.5	FTH/6		
A134970	RP		1.7	2.4	6.0	0	0	2.0	0	FTH/7		
A134971	RP		6	1.6	5.0	0	0	6	0	FTH/8		
A134972	RP		5	1.6	5.5	0	0	1.8	1.5	FTH/9		
A134973	RP		1.4	2.4	7.0	0	0	1.6	1.0	FTH/10		
A134974	RP		2.0	5.0	6.5	0	0	1.0	2.0	FTH/11		
A134975	RP		3.4	3.4	1.4	0	0	1.2	2.5	FTH/12		
A134976	RP		2.2	1.2	6.5	0	0	3.6	1.5	FTH/13		
A134977	RP		1.0	4	4.4	0	0	1.0	0	FTH/14		
A134978	RP		8	1.6	3.6	0	0	1.4	1.5	FTH/15		
A134979	RP		8	9	3.0	0	0	1.2	0	FTH/16		
A134980	RP		1.2	1.6	3.4	0	0	1.8	1.5	FTH/17		
A134981	RP		8	1.2	4.4	0	0	1.2	1.5	FTH/18		
A134982	RP		1.0	0	3.4	0	0	2.0	1.5	FTH/19		
A134983	RP		5	0	3.2	0	0	1.0	2.0	FTH/20		
A134984	RP		6	0	2.8	0	0	1.8	0	FTH/21		
A134985	RP		8	0	3.2	0	0	2.0	1.5	FTH/22		
A134986	RP		1.0	0	3.8	0	0	1.6	1.0	FTH/23		
A134987	RP		6	0	3.0	0	0	1.4	1.0	FTH/24		
A134988	RP		6	0	2.6	0	0	1.6	0	FTH/25		
A134989	RP		4	0	2.6	0	0	8	1.0	FTH/26		
A134990	RP		6	1.0	2.8	0	0	8	3.0	FTH/27		

561090

# FIELD SAMPLE DESPATCH SHEET

13031

State TASMANIA Project GEORGE RIVER Prospect No. 603 Locality FERNETREE HILL  
 CSR Order No. 30659 Date Sampled FEB/MAR 82 Sampler M. Jervis / P.D. Ellis  
 Date Despatched 20/6/82 Despatcher P.D. Ellis Despatched per TAA  
 Type of Sample Rock (Percussion Chip)  
 Lab. Name Comlabs

Sample Number Co-ordinates	From E/W	To N/S	Chemical Analyses (ppm or %)					S <sub>m</sub>	W	Remarks
			Cu	Pb	Zn	Ni	Bi			
A134726	593500	5421100	6	24	36	24	24	38	15	FTH 8/16 -1
A134727	"	"	4	48	490	24	24	310	10	FTH 8/16 -2
A134839	593300	5421100	16	80	105	24	24	6	<10	MJ FTH 2/13
A134839A			14	90	110	24	24	10	15	<del>FTH 2/13</del>
A134851	593300	5421100	16	80	100	24	24	36	20	FTH 2/13
A134852	593300	5421000	8	36	85	24	24	27	20	MJ FTH 6/1
A134853	"	"	4	32	70	24	24	24	<10	MJ FTH 6/2
A134854	"	"	6	30	65	24	24	10	10	MJ FTH 6/3
A134855	"	"	6	28	75	24	24	12	10	MJ FTH 6/4
A134856	"	"	6	15	100	24	24	10	15	MJ FTH 6/5
A134857	"	"	4	18	120	24	24	14	15	MJ FTH 6/6
A134857A			180	210	880	200	24	10	10	<del>FTH 6/7</del>
A134858	593300	5421000	4	20	100	24	24	10	10	MJ FTH 6/9
A134859	"	"	4	20	120	24	24	20	10	MJ FTH 6/9
A134860	"	"	<2	18	110	24	24	8	10	MJ FTH 6/10
A134861	"	"	4	18	105	24	24	16	10	MJ FTH 6/10
A134862	"	"	4	14	110	24	24	22	10	MJ FTH 6/12
A134863	"	"	4	18	120	24	24	20	20	MJ FTH 6/12
A134864	"	"	6	20	100	24	24	22	<10	MJ FTH 6/13
A134865	"	"	4	24	90	24	24	16	15	MJ FTH 6/14
A134866	"	"	4	20	65	24	24	4	10	MJ FTH 6/15
A134867	"	"	6	18	65	24	24	10	10	MJ FTH 6/16
A134868	"	"	<2	16	60	24	24	4	10	MJ FTH 6/17
A134869	"	"	4	12	55	24	24	6	<10	MJ FTH 6/18
A134870	"	"	<2	18	46	24	24	6	15	MJ FTH 6/19
A134871	"	"	8	22	60	24	24	4	15	MJ FTH 6/20
A134872	"	"	4	16	60	24	24	12	10	MJ FTH 6/21
A134873	"	"	<2	10	55	24	24	6	<10	MJ FTH 6/22
A134874	"	"	<2	6	40	24	24	4	10	MJ FTH 6/23
A134875	"	"	<2	<4	38	24	24	8	15	MJ FTH 6/24
A134876	"	"	<2	10	46	24	24	17	<10	MJ FTH 6/25
A134877	593000	5421000	<2	6	24	24	24	48	15	MJ FTH 3/1
A134878	"	"	<2	8	18	24	24	4	<10	MJ FTH 3/2
A134879	"	"	<2	6	26	24	24	8	15	MJ FTH 3/3
A134880	"	"	<2	14	38	24	24	4	25	MJ FTH 3/4
A134881	"	"	<2	12	38	24	24	6	10	MJ FTH 3/5
A134882	"	"	2	8	50	24	24	4	20	MJ FTH 3/6
A134883	"	"	4	6	55	24	24	6	10	MJ FTH 3/7
A134884	"	"	6	44	55	24	24	12	10	MJ FTH 3/8
A134885	"	"	<2	24	55	24	24	8	15	MJ FTH 3/9

Instructions to Analyst: Pulverise - ANALYSE for S<sub>m</sub>, W by XRF-1  
Analyse for Cu, Pb, Zn, Bi, Ni by AAS-1

RESULTS & INVOICE to CSR Ltd Min Div GPO Box 483 SYDNEY NSW 2001  
 Results to: RESULTS to CSR Ltd 6 William St WEST HOBART TAS. 7000



# FIELD SAMPLE DESPATCH SHEET

13032

State TASMANIA Project George River Prospect No. 600 Locality FEARNTREE HILL  
 CSR Order No. 20659 Date Sampled FEB/MAR 82 Sampler M. Jervis / P.D. Ellis  
 Date Despatched 20/6/82 Despatcher P.D. Ellis Despatched per TAP  
 Type of Sample Percussion Rock Chip  
 Lab. Name Comlabs

Sample Number Co-ordinates	From E/W	To N/S	Chemical Analyses (ppm or %)					Sn	W	Remarks
			Cu	Pb	Zn	Ni	Bi			
A139886	593000	5421000	<2	<4	40	<4	<4	10	15	MJ FTH3/10
A139887	"	"	<2	<4	32	<4	<4	8	<10	MJ FTH3/11
A139888	"	"	<2	<4	39	<4	<4	12	<10	MJ FTH3/12
A139888A	<del>593000</del>	<del>5421000</del>	<2	<4	34	<4	<4	10	15	<del>MJ</del>
A139889	593000	5421000	<2	<4	50	<4	<4	6	20	MJ FTH3/13
A139890	"	"	<2	<4	50	<4	<4	10	<10	MJ FTH3/14
A139891	"	"	<2	<4	46	<4	<4	8	10	MJ FTH3/15
A139892	"	"	<2	<4	42	<4	<4	14	<10	MJ FTH3/16
A139893	"	"	<2	<4	38	<4	<4	14	10	MJ FTH3/17
A139894	"	"	<2	<4	38	<4	<4	10	20	MJ FTH3/18
A139895	"	"	<2	<4	55	<4	<4	6	10	MJ FTH3/19
A139896	"	"	<2	<4	42	<4	<4	6	15	MJ FTH3/20
A139897	"	"	<2	<4	36	<4	<4	4	<10	MJ FTH3/21
A139898	"	"	<2	<4	36	<4	<4	12	15	MJ FTH3/22
A139899	"	"	<2	<4	36	<4	<4	10	20	MJ FTH3/23
A139900	"	"	<2	<4	42	<4	<4	10	25	MJ FTH3/24
A139900A			<2	<4	38	<4	<4	4	15	
A139901	593000	5421000	<2	<4	38	<4	<4	10	10	MJ FTH3/25
A139902	"	"	<2	<4	38	<4	<4	4	15	MJ FTH3/26
A139903	593200	5421000	<2	<4	14	<4	<4	75	10	MJ FTH5/1
A139904	"	"	10	22	34	<4	<4	210	10	MJ FTH5/2
A139905	"	"	8	60	75	<4	<4	75	10	MJ FTH5/3
A139906	"	"	34	820	150	<4	<4	140	10	MJ FTH5/4
A139907	"	"	18	320	390	<4	<4	550	20	MJ FTH5/5
A139908	"	"	10	220	180	<4	<4	730	20	MJ FTH5/6
A139909	"	"	16	490	320	<4	<4	800	15	MJ FTH5/7
A139910	"	"	14	240	420	<4	<4	370	15	MJ FTH5/8
A139911	"	"	12	110	400	<4	<4	260	25	MJ FTH5/9
A139912	"	"	4	90	340	<4	<4	200	<10	MJ FTH5/10
A139912A			4	60	330	<4	<4	200	<10	
A139913	593200	5421000	<2	20	210	<4	<4	135	<10	MJ FTH5/11
A139914	"	"	2	16	250	<4	<4	125	<10	MJ FTH5/12
A139915	"	"	<2	14	100	<4	<4	46	10	MJ FTH5/13
A139916	"	"	<2	16	120	<4	<4	120	10	MJ FTH5/14
A139917	"	"	<2	14	130	<4	<4	44	<10	MJ FTH5/15
A139918	"	"	<2	10	105	<4	<4	16	10	MJ FTH5/16
A139919	"	"	<2	8	110	<4	<4	26	<10	MJ FTH5/17
A139920	"	"	6	22	190	<4	<4	29	15	MJ FTH5/18
A139921	"	"	2	22	250	<4	<4	230	15	MJ FTH5/19
A139922	"	"	4	38	540	<4	<4	320	20	MJ FTH5/20

Instructions to Analyst: See Sample Despatch Sheet 13031

561092

Results to:

DISBURSEMENT Pink - To Chief Geologist Sydney White - To Assay Lab with Order Green - Despatch with Samples  
 Yellow - Field Copy



# FIELD SAMPLE DESPATCH SHEET

13033

State TASMANIA Project GEORGE RIVER Prospect No. 603 Locality FERN TREE HILL  
 CSR Order No. 30654 Date Sampled FEB/MAR 82 Sampler P.D. Ellis / M. Jarvis  
 Date Despatched 20/6/82 Despatcher P.D. Ellis Despatched per TAA  
 Type of Sample Percussion Rock Chip  
 Lab. Name COMLABS

Sample Number Co-ordinates	From To		Chemical Analyses (ppm or %)						Remarks	
	E/W	N/S	Cu	Pb	Zn	Ni	Bi	Sn	W	
A139923	593200	5421000	22	40	840	24	24	420	10	MJ FTH5/1
A139924	"	"	22	44	630	24	24	480	110	MJ FTH5/2
A139925	"	"	22	155	1900	24	24	460	210	MJ FTH5/25
A139926	"	"	2	100	1150	24	24	430	10	MJ FTH5/26
A139927	"	"	4	6	38	24	24	14	20	MJ FTH5/2
A139927A			4	6	34	24	24	12	110	
A139928	593100	5420900	22	24	8	24	24	50	15	MJ FTH9/1
A139928A			150	210	750	220	24	4	15	
A139929	593100	5420900	4	12	30	24	24	38	15	MJ FTH9/2
A139930	"	"	4	6	30	24	24	18	10	MJ FTH9/3
A139931	"	"	10	12	36	24	24	18	10	MJ FTH9/4
A139932	"	"	8	12	55	24	24	10	10	MJ FTH9/5
A139933	"	"	6	8	60	24	24	16	15	MJ FTH9/6
A139934	"	"	8	10	44	24	24	8	15	MJ FTH9/7
A139935	"	"	10	10	50	24	24	18	20	MJ FTH9/8
A139936	"	"	8	8	34	24	24	24	20	MJ FTH9/9
A139936A			8	4	30	24	24	22	15	
A139937	593200	5420900	6	38	50	24	24	12	15	MJ FTH10/1
A139938	"	"	6	100	55	24	24	6	15	MJ FTH10/2
A139939	"	"	6	26	50	24	24	8	10	MJ FTH10/3
A139940	"	"	6	10	70	24	24	22	10	MJ FTH10/4
A139941	"	"	4	10	60	24	24	18	110	MJ FTH10/5
A139942	"	"	6	18	55	24	24	14	20	MJ FTH10/6
A139943	"	"	6	100	60	24	24	16	110	MJ FTH10/7
A139944	"	"	4	30	44	24	24	14	10	MJ FTH10/8
A139945	"	"	6	14	50	24	24	10	15	MJ FTH10/9
A139946	"	"	10	22	65	24	24	12	10	MJ FTH10/10
A139947	"	"	16	48	60	24	24	135	25	MJ FTH10/11
A139948	"	"	22	22	110	24	24	95	10	MJ FTH10/12
A139949	"	"	6	24	50	24	24	36	10	MJ FTH10/13
A139950	"	"	6	24	40	24	24	24	10	MJ FTH10/14
A139951	"	"	4	24	36	24	24	8	10	MJ FTH10/15
A139952	"	"	8	10	32	24	24	10	15	MJ FTH10/16
A139953	"	"	6	6	36	24	24	6	20	MJ FTH10/17
A139954	"	"	6	4	36	24	24	12	15	MJ FTH10/18
A139955	"	"	6	24	30	24	24	14	50	MJ FTH10/19
A139956	"	"	4	24	32	24	24	18	20	MJ FTH10/20
A139957	"	"	4	24	30	24	24	14	10	MJ FTH10/21
A139958	"	"	8	24	36	24	24	10	30	MJ FTH10/22
A139958A			6	4	40	24	24	12	15	

Instructions to Analyst: See Field Sample Despatch Sheet 13031

561093

Results to:



# FIELD SAMPLE DESPATCH SHEET

13034

State TASMANIA Project GEORGE RIVER Prospect No. 603 Locality FERN TREE HILL  
 CSR Order No. 30659 Date Sampled FEB/MAR 82 Sampler M. Jarvis / P.D. Ellis  
 Date Despatched 20/6/82 Despatcher P.D. Ellis Despatched per TAA  
 Type of Sample Repercussion Rock Chip  
 Lab. Name COMLABS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)					S <sub>m</sub>	W	Remarks
	E/W	N/S	Cu	Pb	Zn	Ni	Bi			
A139960	593300	5420900	6	6	32	44	44	10	10	MJ FTH10/24
A139961	"	"	4	4	26	44	44	8	15	MJ FTH10/25
A139962	"	"	4	4	24	44	44	4	10	MJ FTH10/26
A139963	"	"	7	4	34	44	44	4	10	MJ FTH10/27
A139964	"	"	4	26	46	44	44	10	20	FTH10/2
A139965	"	"	6	80	48	44	44	6	10	FTH10/3
A139966	"	"	6	14	50	44	44	18	10	FTH10/4
A139967	"	"	4	19	65	44	44	20	10	FTH10/5
A139968	"	"	10	12	65	44	44	26	10	FTH10/5
A139969	"	"	6	16	55	44	44	22	15	FTH10/6
A139970	"	"	12	24	60	44	44	20	<10	FTH10/9
A139971	"	"	6	16	50	44	44	6	<10	FTH10/9
A139972	"	"	8	16	55	44	44	18	15	FTH10/19
A139973	"	"	14	24	70	44	44	16	10	FTH10/10
A139974	"	"	20	50	65	44	44	100	20	FTH10/12
A139975	"	"	34	34	140	44	44	125	25	FTH10/12
A139976	"	"	12	12	65	44	44	36	15	FTH10/13
A139977	"	"	10	4	44	44	44	10	<10	FTH10/14
A139978	"	"	9	16	36	44	44	14	15	FTH10/15
A139979	"	"	8	9	30	44	44	12	<10	FTH10/16
A139980	"	"	12	16	34	44	44	18	15	FTH10/17
A139981	"	"	8	12	44	44	44	12	15	FTH10/18
A139982	"	"	10	4	34	44	44	20	15	FTH10/19
A139983	"	"	8	4	32	44	44	10	20	FTH10/20
A139984	"	"	4	4	28	44	44	18	<10	FTH10/22
A139985	"	"	8	4	32	44	44	20	15	FTH10/22
A139986	"	"	10	4	38	44	44	16	10	FTH10/23
A139987	"	"	6	4	30	44	44	14	10	FTH10/24
A139988	"	"	6	4	26	44	44	16	<10	FTH10/25
A139989	"	"	4	4	26	44	44	8	10	FTH10/26
A139990	"	"	4	10	28	44	44	8	30	FTH10/27
A139991	593200	5421000	6	4	14	44	44	38	10	FTH5/1
A139992	"	"	10	18	36	44	44	185	10	FTH5/2
A139993	"	"	18	70	85	44	44	100	10	FTH5/3
A139994	"	"	46	1300	250	44	44	280	15	FTH5/4
A139995	"	"	22	330	370	44	44	550	20	FTH5/5
A139996	"	"	16	270	140	44	44	600	15	FTH5/6
A139997	"	"	20	440	380	44	44	760	20	FTH5/7
A139998	"	"	20	200	450	44	44	360	20	FTH5/8
A139999	"	"	18	130	430	44	44	250	<10	FTH5/9

Instructions to Analyst: See Field Sample Despatch Sheet 13031

561094

Results to:

SBURSEMENT Pink - To Chief Geologist Sydney  
 Yellow - Field Copy

White - To Assay Lab with Order

Green - Despatch with Samples



# FIELD SAMPLE DESPATCH SHEET

13035

State TASMANIA Project GEORGE RIVER Prospect No. 603 Locality FERNTREE HILL  
 CSR Order No. 30659 Date Sampled FEB/MAR 82 Sampler M. Jen's/P.D. Ellis  
 Date Despatched 20/6/82 Despatcher P. D. Ellis Despatched per TAA  
 Type of Sample Percussion Rock Chip  
 Lab. Name COMLABS

Sample Number Co-ordinates	From To		Chemical Analyses (ppm or %)							Remarks
	E/W	N/S	Ca	P	Zn	Ni	Ri	Sn	W	
A140000	597200	5421000	10	60	310	24	24	210	15	FTH5/10
135918	"	"	10	16	210	24	24	128	10	FTH5/11
135919	"	"	6	16	260	24	24	105	10	FTH5/12
135920	"	"	6	18	130	24	24	60	30	FTH5/13
135921	"	"	2	16	120	24	24	120	15	FTH5/14
135922	"	"	6	14	130	24	24	55	10	FTH5/15
135923	"	"	6	6	120	24	24	20	10	FTH5/16
135924	"	"	8	12	105	24	24	22	10	FTH5/17
135925	"	"	8	24	200	24	24	65	10	FTH5/18
135926	"	"	10	20	280	24	24	210	15	FTH5/19
135927	"	"	4	6	30	24	24	28	<10	FTH5/20
135928	"	"	6	46	800	24	24	400	<10	FTH5/21
135929	"	"	6	55	440	24	24	420	<10	FTH5/22
135930	"	"	10	15	1400	24	24	380	10	FTH5/23
135931	"	"	8	110	900	24	24	396	20	FTH5/24
135932	593100	5420900	10	10	40	24	24	32	10	FTH9/2
135933	"	"	10	6	40	24	24	14	<10	FTH9/3
135934	"	"	10	10	42	24	24	14	10	FTH9/4
135935	"	"	12	4	60	24	24	10	10	FTH9/5
135936	"	"	12	24	60	24	24	12	<10	FTH9/6
135937	"	"	8	10	46	24	24	16	15	FTH9/7
135938	"	"	16	14	50	24	24	20	10	FTH9/8
135939	"	"	8	8	34	24	24	26	15	FTH9/9
135940	593000	5421000	6	10	16	24	24	40	10	FTH3/1
135941	"	"	4	18	18	24	24	6	10	FTH3/2
135942	"	"	6	12	34	24	24	6	10	FTH3/3
135943	"	"	4	30	34	24	24	4	20	FTH3/4
135944	"	"	6	12	38	24	24	12	25	FTH3/5
135945	"	"	8	6	50	24	24	14	10	FTH3/6
135946	"	"	10	8	55	24	24	10	10	FTH3/7
135947	"	"	14	10	60	24	24	14	10	FTH3/8
135948	"	"	10	4	65	24	24	14	<10	FTH3/9
135949	"	"	10	4	48	24	24	12	10	FTH3/10
135950	"	"	6	8	55	24	24	10	15	FTH3/13
135951	"	"	6	8	50	24	24	14	15	FTH3/14
135952	"	"	8	12	48	24	24	4	<10	FTH3/15
135953	"	"	10	8	42	24	24	8	15	FTH3/16
135954	"	"	6	6	42	24	24	16	10	FTH3/17
135955	"	"	8	4	42	24	24	6	15	FTH3/18
135956	"	"	6	4	55	24	24	10	15	FTH3/19

Instructions to Analyst: See Field Sample Despatch Sheet 13031

561095

Results to:

DISBURSEMENT Pink - To Chief Geologist Sydney White - To Assay Lab with Order Green - Despatch with Samples  
 Yellow - Field Copy

# FIELD SAMPLE DESPATCH SHEET

13036

State TASMANIA Project GEORGE RIVER Prospect No. 603 Locality FERN TREE HILL  
 CSR Order No. 20659 Date Sampled FEB/MAR 82 Sampler M. Jervis/P.D. Ellis  
 Date Despatched 20/6/82 Despatcher P.D. Ellis Despatched per TAA  
 Type of Sample Percussion Rock Chip  
 Lab. Name COMLABS

Sample Number Co-ordinates	From To		Chemical Analyses (ppm or %)					Sm	W	Remarks
	E/W	N/S	Cu	Pb	Zn	Ni	Bi			
135957	593000	5421000	8	6	44	<4	<4	10	15	FTH 3/20
135958	"	"	6	8	42	<4	<4	14	15	FTH 3/21
135959	"	"	8	<4	40	<4	<4	10	10	FTH 3/22
135960	"	"	6	<4	42	<4	<4	6	15	FTH 3/23
135961	"	"	10	<4	48	<4	<4	17	25	FTH 3/24
135962	"	"	6	<4	40	<4	<4	8	20	FTH 3/25
135963	"	"	8	6	42	<4	<4	16	15	FTH 3/26
135964	593300	5421000	8	10	76	<4	<4	34	10	FTH 6A/1
135965	"	"	10	26	80	<4	<4	22	15	FTH 6/1
135966	"	"	8	20	50	<4	<4	24	10	FTH 6A/2
135967	"	"	8	20	70	<4	<4	16	15	FTH 6/2
135968	"	"	8	18	48	<4	<4	14	10	FTH 6/3
135969	"	"	6	14	60	<4	<4	12	25	FTH 6/4
135970	"	"	8	10	85	<4	<4	14	15	FTH 6/5
135971	"	"	8	10	105	<4	<4	18	20	FTH 6/6
135972	"	"	10	12	85	<4	<4	12	15	FTH 6/7
135973	"	"	8	10	100	<4	<4	10	20	FTH 6/8
135974	"	"	6	14	95	<4	<4	16	10	FTH 6/9
135975	"	"	8	10	90	<4	<4	16	20	FTH 6/10
135976	"	"	6	10	95	<4	<4	16	15	FTH 6/11
135977	"	"	8	16	95	<4	<4	16	<10	FTH 6/12
135978	"	"	10	18	80	<4	<4	12	15	FTH 6/13
135979	"	"	10	14	95	<4	<4	14	25	FTH 6/14
135980	"	"	6	6	60	<4	<4	12	15	FTH 6/15
135981	"	"	8	6	60	<4	<4	8	10	FTH 6/16
135982	"	"	8	10	48	<4	<4	4	15	FTH 6/17
135983	"	"	4	6	40	<4	<4	6	<10	FTH 6/18
135984	"	"	6	<4	40	<4	<4	10	<10	FTH 6/19
135985	"	"	4	8	46	<4	<4	<4	10	FTH 6/20
135986	"	"	6	14	48	<4	<4	<4	20	FTH 6/21
135987	"	"	4	10	46	<4	<4	8	25	FTH 6/22
135988	"	"	6	<4	38	<4	<4	8	10	FTH 6/23
135989	"	"	6	<4	34	<4	<4	8	10	FTH 6/24
135990	"	"	8	8	44	<4	<4	6	20	FTH 6/25
135991	593500	5421000	8	150	30	<4	<4	60	15	FTH 8/7
135991A			160	220	840	190	<4	10	10	

Instructions to Analyst: See Field Sample Despatch Sheet 13031

561096

Results to:

# FIELD SAMPLE DESPATCH SHEET

13023

State TASMANIA Project GERAGE RIVER Prospect No. 603 Locality FEATHER HILL  
 CSR Order No. 30647 Date Sampled FEB/MAR 82 Sampler P D ELLIS  
 Date Despatched 9/5/82 Despatcher P D ELLIS Despatched per TAA  
 Type of Sample Percussion Chip Rock  
 Lab. Name COMLABS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)					Sn	W	Remarks
	E/W	N/S	Cu	Pb	Zn	Ni	Pi			
A 139701	593500	582100	4	<4	8	<4	<4	44	15	FTH 8/1
A 139701A	"	"	160	210	860	195	<4	20	10	FTH 8/2
A 139702	"	"	4	<4	10	<4	<4	38	10	FTH 8/2
A 139703	"	"	4	6	10	<4	<4	42	10	FTH 8/4
A 139704	"	"	6	17	48	<4	<4	55	10	FTH 8/5-1
A 139705	"	"	6	22	28	<4	<4	48	<10	FTH 8/5-2
A 139706	"	"	4	36	20	<4	<4	20	<10	FTH 8/6-1
A 139707	"	"	6	55	18	<4	<4	60	15	FTH 8/6-2
A 139708	"	"	8	130	20	<4	<4	50	<10	FTH 8/7-1
A 139709	"	"	6	200	18	<4	6	46	20	FTH 8/7-2
A 139710	"	"	6	90	26	<4	4	32	20	FTH 8/8-1
A 139711	"	"	6	36	28	<4	4	36	25	FTH 8/8-2
A 139712	"	"	6	16	20	<4	4	42	30	FTH 8/9-1
A 139713	"	"	6	14	28	<4	6	30	10	FTH 8/9-2
A 139714	"	"	4	14	30	<4	6	46	10	FTH 8/10-1
A 139715	"	"	4	10	26	<4	6	38	10	FTH 8/10-2
A 139716	"	"	6	<4	32	<4	4	50	10	FTH 8/11-1
A 139717	"	"	4	4	26	<4	6	30	20	FTH 8/11-2
A 139718	"	"	6	10	28	<4	4	42	<10	FTH 8/12-1
A 139719	"	"	6	<4	30	<4	6	48	10	FTH 8/12-2
A 139720	"	"	6	6	30	<4	4	55	15	FTH 8/13-1
A 139721	"	"	6	<4	30	<4	4	42	10	FTH 8/13-2
A 139722	"	"	6	8	36	<4	6	28	25	FTH 8/14-1
A 139723	"	"	4	<4	30	<4	6	30	10	FTH 8/14-2
A 139724	"	"	4	<4	14	<4	4	44	15	FTH 8/15-1
A 139725	"	"	4	<4	18	<4	4	28	25	FTH 8/15-2
A 139728	"	"	2	<4	18	<4	8	44	<10	FTH 8/17-1
A 139729	"	"	6	<4	18	<4	6	42	10	FTH 8/17-2
A 139730	"	"	4	<4	36	<4	4	12	10	FTH 8/18-1
A 139731	"	"	4	<4	24	<4	8	48	<10	FTH 8/18-2
A 139732	"	"	8	22	50	<4	<4	46	15	FTH 8/19-1
A 139733	"	"	6	24	37	<4	<4	24	10	FTH 8/19-2
A 139734	"	"	4	20	28	<4	<4	26	<10	FTH 8/20-1
A 139735	"	"	4	18	34	<4	<4	18	10	FTH 8/20-2
A 139736	"	"	4	14	32	<4	<4	16	20	FTH 8/21-1
A 139737	"	"	4	20	42	<4	<4	18	10	FTH 8/21-2
A 139738	"	"	6	12	28	<4	<4	36	10	FTH 8/22-1
A 139739	"	"	6	12	38	<4	<4	20	10	FTH 8/22-2
A 139740	"	"	17	10	42	<4	<4	22	10	FTH 8/22-1
A 139740M			170	230	930	200	<4	8	15	

Instructions to Analyst: Dry and Pulverise  
1/2 g for Sn, W for XRF - 1  
1/2 g for Cu, Pb, Zn, Ni, Bi for ICP  
 Results to: RESULTS TO CSRLM 6 Wickham St WEST HOBART TAS 2000 561097



# FIELD SAMPLE DESPATCH SHEET

13024

State TASMANIA Project GERDGE RIVER Prospect No. 603 Locality FERRIER HILL  
 CSR Order No. 30647 Date Sampled FEB/MAR 87 Sampler P. D. ELLIS  
 Date Despatched 9/5/87 Despatcher P D E Despatched per TMA  
 Type of Sample 1" Percussion Chip Rock  
 Lab. Name COMLABS

Sample Number Co-ordinates	From To		Chemical Analyses (ppm or %)					Sn	W	Remarks
	E/W	N/S	Cu	Pb	Zn	Ni	Pi			
A 139741	543500	5421100	206	8	38	<4	<4	22	<10	FTH 8/23-2
A 139742	"	"	206	10	55	<4	<4	10	15	FTH 8/24-1
A 139743	"	"	206	14	50	<4	<4	18	10	FTH 8/24-2
A 139744	"	"	206	10	40	<4	<4	60	15	FTH 8/25-1
A 139745	"	"	204	16	50	<4	<4	20	15	FTH 8/25-2
A 139746	"	"	204	8	30	<4	<4	16	10	FTH 8/26-1
A 139747	"	"	202	16	60	<4	<4	22	15	FTH 8/26-2
A 139748	"	"	204	10	60	<4	<4	16	<10	FTH 8/27-1
A 139749	"	"	202	8	32	<4	<4	12	<10	FTH 8/27-2
A 139750	"	"	202	10	32	<4	<4	16	15	FTH 8/28-1
A 139751	"	"	2	8	50	<4	<4	22	10	FTH 8/28-2
A 139752	533200	5421100	4	10	16	<4	<4	50	15	FTH 1/1
A 139753	"	"	6	4	26	<4	8	34	25	FTH 1/2-1
A 139754	"	"	8	12	28	<4	<4	47	40	FTH 1/2-2
A 139755	"	"	12	6	30	<4	<4	55	20	FTH 1/3-1
A 139756	"	"	14	10	30	<4	<4	26	30	FTH 1/3-2
A 139757	"	"	20	14	42	<4	8	75	35	FTH 1/4-1
A 139758	"	"	12	4	28	<4	<4	28	30	FTH 1/4-2
A 139759	"	"	18	12	40	<4	<4	36	25	FTH 1/5-1
A 139760	"	"	20	16	75	<4	<4	16	20	FTH 1/5-2
A 139761	"	"	14	26	44	<4	6	24	30	FTH 1/6-1
<hr/>										
A 139762	"	"	10	14	32	<4	<4	22	20	FTH 1/6-2
A 139763	"	"	16	10	48	<4	10	55	20	FTH 1/7-1
A 139764	"	"	12	26	42	<4	6	40	25	FTH 1/7-2
A 139765	"	"	16	16	50	<4	10	34	15	FTH 1/8-1
A 139766	"	"	14	12	60	<4	10	38	20	FTH 1/8-2
A 139767	"	"	22	14	65	<4	6	30	15	FTH 1/9-1
A 139768	"	"	20	10	48	<4	10	55	25	FTH 1/9-2
A 139769	"	"	10	<4	50	<4	12	32	20	FTH 1/10-1
A 139770	"	"	10	6	50	<4	16	26	45	FTH 1/10-2
A 139771	"	"	12	8	60	<4	12	36	20	FTH 1/11-1
A 139772	"	"	6	8	44	<4	10	6	20	FTH 1/11-2
A 139773	"	"	10	12	60	<4	10	22	20	FTH 1/12-1
A 139774	"	"	14	10	85	<4	8	65	25	FTH 1/12-2
A 139775	"	"	26	8	105	<4	16	110	35	FTH 1/13
A 139776	543300	5421500	2	8	12	<4	8	14	20	FTH 4/1
A 139777	"	"	6	14	32	<4	4	26	15	FTH 4/2-1
A 139778	"	"	4	6	16	<4	<4	18	10	FTH 4/2-2
A 139778A	"	"	160	190	860	175	4	44	15	

Instructions to Analyst: See Field Sample Despatch Sheet No 13023

561098

# FIELD SAMPLE DESPATCH SHEET

13025

State TASMANIA Project GEORGE RIVER Prospect No. 603 Locality FERN TREE Hill  
 CSR Order No. 20607 Date Sampled FEB/MAR 82 Sampler P D E  
 Date Despatched 9/5/82 Despatcher P D E Despatched per TJA  
 Type of Sample Penetration Chip - Rock  
 Lab. Name COMLABS

Sample Number Co-ordinates	From To		Chemical Analyses (ppm or %)					Sn	W	Remarks
	E/W	N/S	Cu	Pb	Zn	Ni	Bi			
A 139779	593300	5421500	4	28	22	44	44	8	20	FTH 4/3-
A 139780	"	"	2	16	20	44	6	9	15	FTH 4/3-
A 139781	"	"	4	60	22	44	44	18	15	FTH 4/4-1
A 139782	"	"	2	24	18	44	44	24	10	FTH 4/4-2
A 139783	"	"	4	60	16	44	4	44	10	FTH 4/5-1
A 139784	"	"	2	26	16	44	4	24	15	FTH 4/5-2
A 139785	"	"	2	20	20	44	44	44	15	FTH 4/6-1
A 139786	"	"	4	4	26	44	8	8	15	FTH 4/6-2
A 139787	"	"	4	4	30	44	4	44	15	FTH 4/7-1
A 139788	"	"	42	40	30	44	44	44	15	FTH 4/7-2
A 139789	"	"	6	8	36	44	44	10	10	FTH 4/8-1
A 139790	"	"	4	4	26	44	44	44	20	FTH 4/8-2
A 139791	"	"	4	44	22	44	44	10	25	FTH 4/9
A 139792	593400	5421000	6	12	22	4	44	60	15	FTH 7/1
A 139793	"	"	8	38	28	44	44	20	20	FTH 7/2
A 139794	"	"	8	60	28	44	44	14	15	FTH 7/3
A 139795	"	"	6	55	38	44	44	75	25	FTH 7/4
A 139796	"	"	6	120	55	44	44	12	20	FTH 7/5-1
A 139797	"	"	6	40	30	44	44	10	20	FTH 7/5-2
A 139798	"	"	6	120	32	44	44	4	10	FTH 7/6-1
A 139799	"	"	8	130	48	44	44	16	20	FTH 7/6-2
A 139800	"	"	8	180	32	44	44	14	20	FTH 7/7-1
A 139801	"	"	10	110	46	44	44	14	25	FTH 7/7-2
A 139802	"	"	8	38	50	44	44	10	20	FTH 7/8-1
A 139803	"	"	8	16	38	44	44	9	15	FTH 7/8-2
A 139804	"	"	10	10	46	44	44	10	15	FTH 7/9-1
A 139805	"	"	60	12	70	44	44	70	15	FTH 7/9-2
A 139806	"	"	8	18	40	44	44	12	15	FTH 7/10-1
A 139807	"	"	8	16	50	44	44	8	10	FTH 7/10-2
A 139808	"	"	8	10	44	44	44	20	15	FTH 7/11-1
A 139809	"	"	8	6	46	44	44	14	15	FTH 7/11-2
A 139810	"	"	8	12	46	44	44	8	20	FTH 7/12-1
A 139811	"	"	10	6	50	44	44	18	15	FTH 7/12-2
A 139812	"	"	10	10	36	44	44	10	10	FTH 7/13-1
A 139813	"	"	10	18	46	44	44	40	20	FTH 7/13-2
A 139814	"	"	16	22	65	44	44	38	15	FTH 7/14-1
A 139815	"	"	12	14	42	44	44	28	10	FTH 7/14-2
A 139816	"	"	12	16	44	44	44	16	25	FTH 7/15-1
A 139817	"	"	14	14	44	44	44	26	10	FTH 7/15-2
A 139817A	0	0	175	190	830	190	44	22	10	

Instructions to Analyst: See Field Sample Despatch Sheet N° 13023

561099

Results to:

# FIELD SAMPLE DESPATCH SHEET

13026

State TASMANIA Project GEORGE RIVER Prospect No. 103 Locality FRONTIER HILL  
 CSR Order No. 30647 Date Sampled FEB/MAR 87 Sampler PDE  
 Date Despatched 9/12/87 Despatcher PDE Despatched per THA  
 Type of Sample Percussion Chip - Rock  
 Lab. Name COMLARS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)					Sn	W	Remarks
	E/W	N/S	Cu	Pb	Zn	Ni	Bi			
A139818	593400	5621000	12	20	50	<4	<4	14	10	FTH 7/16-
A139819	"	"	16	26	55	<4	<4	44	15	FTH 7/16-7
A139820	"	"	16	26	70	<4	<4	12	<10	FTH 7/17-1
A139821	"	"	10	26	60	<4	<4	10	<10	FTH 7/17-
A139822	"	"	8	20	44	<4	<4	18	25	FTH 7/19-1
A139823	"	"	<2	16	40	<4	<4	12	20	FTH 7/18-7
A139824	"	"	12	19	65	<4	<4	10	15	FTH 7/19-1
A139825	"	"	8	26	50	<4	<4	8	15	FTH 7/19-2
A139826	"	"	4	14	42	<4	<4	9	10	FTH 7/20
A139827	593700	5621100	<2	12	6	<4	<4	10	10	MJ - FTH 2/11
A139828	"	"	4	16	24	<4	<4	36	15	MJ - FTH 2/12
A139829	"	"	6	26	38	<4	<4	490	10	MJ - FTH 2/13
A139830	"	"	6	32	32	<4	<4	14	15	MJ - FTH 2/14
A139831	"	"	10	32	26	<4	<4	22	10	MJ - FTH 2/15
A139832	"	"	12	42	55	<4	<4	16	10	MJ - FTH 2/16
A139833	"	"	16	50	95	<4	<4	24	15	MJ - FTH 2/17
A139834	"	"	12	36	80	<4	<4	16	20	MJ - FTH 2/18
A139835	"	"	12	38	65	<4	<4	14	15	MJ - FTH 2/19
A139836	"	"	8	26	60	<4	<4	12	<10	MJ - FTH 2/10
A139837	"	"	10	29	75	<4	<4	22	15	MJ - FTH 2/11
A139838	"	"	6	38	55	<4	<4	12	10	MJ - FTH 2/12
A139840	593200	5621100	4	16	20	<4	<4	29	20	FTH 2/1
A139841	"	"	4	28	36	<4	<4	160	10	FTH 2/3
A139842	"	"	8	28	36	<4	<4	16	<10	FTH 2/4
A139843	"	"	10	38	49	<4	<4	24	10	FTH 2/5
A139844	"	"	10	36	55	<4	<4	28	10	FTH 2/6
A139845	"	"	16	48	95	<4	<4	12	10	FTH 2/7
A139846	"	"	12	30	80	<4	<4	46	20	FTH 2/8
A139847	"	"	12	30	65	<4	<4	22	<10	FTH 2/9
A139848	"	"	8	20	60	<4	<4	24	10	FTH 2/10
A139849	"	"	4	20	70	<4	<4	8	15	FTH 2/11
A139850	"	"	<2	24	50	<4	<4	12	10	FTH 2/12
A139850A	"	"	165	220	410	210	<4	8	<10	

Instructions to Analyst: See Field Section Despatch Sheet No 13023

561100

APPENDIX V

SOIL AND STREAM SEDIMENT GEOCHEMISTRY  
FORESTER CREEK AREA

## SOIL SAMPLE ANALYSES, FORESTER CREEK TRIBUTARY

SAMPLE NUMBER CO-ORDINATES	FROM	TO	CHEMICAL ANALYSES (ppm)						
	East	North	Sn	W	Cu	Pb	Zn	Bi	Mo
A87184	598025	5432605	NP	NP	NP	NP	NP	NP	NP
A87185	598025	5432630	<5	<10	<2	<5	<2	10	2
A87186	598025	5432655	80	<10	2	5	2	15	2
A87187	598025	5432705	<5	<10	<2	<5	2	5	2
A87188	598025	5432730	5	<10	2	20	10	15	<2
A87189	598025	5432677	10	<10	5	30	15	20	5
A87190	598025	5432683	<5	<10	5	15	10	10	5
A87196	597975	5432780	40	<10	2	<5	2	10	10
A87197	597976	5432755	<5	<10	2	30	5	10	10
A87198	597975	5432730	NP	NP	NP	NP	NP	NP	NP
A87199	597975	5432705	15	<10	2	30	10	10	5
A87200	597975	5432683	20	<10	5	15	10	10	5
A119751	597975	5432674	15	<10	2	10	10	15	10
A119752	597975	5432655	100	<10	2	<5	<2	10	2
A119753	597975	5432630	<5	<10	5	5	<2	5	10
A119754	597975	5432605	5	<10	2	<5	<2	10	5
A119755	597975	5432580	<5	<10	5	10	<2	10	2
A119756	597975	5432555	10	<10	2	5	2	5	<2
A119757	597975	5432530	5	<10	2	<5	5	10	2
A119758	597975	5432505	30	<10	2	5	5	10	<2
A119790	597975	5432580	10	<10	<2	5	5	10	2
A119791	597975	5432605	5	<10	2	10	10	10	<2
A119792	597975	5432630	5	<10	2	10	2	5	<2
A119793	597975	5432655	5	<10	2	15	5	10	<2
A119794	597975	5432672	45	<10	2	20	5	<5	<2
A119795	597975	5432683	5	<10	2	30	10	10	<2
A119796	597975	5432705	5	<10	2	30	15	5	2
A119797	597975	5432730	5	<10	5	20	10	5	5
A119798	597975	5432755	10	<10	<2	10	2	10	5
A119799	597950	5432580	5	<10	<2	15	10	10	10
A119800	597950	5432605	5	<10	5	20	10	10	2
A119801	597950	5432630	70	<10	2	10	5	5	<2
A119802	597950	5432655	5	<10	<2	15	5	<5	2
A119803	597950	5432675	10	<10	2	40	15	5	<2

SAMPLE NUMBER CO-ORDINATES	FROM	TO	CHEMICAL ANALYSES (ppm)						
	East	North	Sn	W	Cu	Pb	Zn	Bi	Mo
A119804	597950	5432683	40	<10	<2	40	20	20	10
A119805	597950	5432705	10	<10	2	20	10	10	5
A119806	597950	5432730	<5	<10	<2	30	10	10	10
A119807	598000	5432580	20	<10	<2	10	5	5	5
A119808	598000	5432605	<5	<10	<2	10	2	5	10
A119809	598000	5432630	15	<10	<2	10	5	<5	5
A119810	598000	5432655	60	<10	<2	10	5	15	5
A119811	598000	5432675	170	<10	<2	15	5	10	10
A119812	598000	5432683	5	<10	<2	25	15	20	2
A119813	598000	5432705	<5	<10	2	20	10	10	5
A119814	598000	5432730	40	<10	2	25	15	10	10
A119819	598025	5432605	20	<10	<2	10	2	<5	<2
A119820	598025	5432630	15	<10	5	5	<2	5	<2
A119821	598025	5432655	5	<10	2	10	<2	5	<2
A119822	598025	5432676	<5	<10	5	15	10	5	<2

STREAM SEDIMENT ANALYSES FROM FORESTER CK. TRIBUTARY

SAMPLE NUMBER CO-ORDINATES	FROM	TO	CHEMICAL ANALYSES (ppm)							
	East	North	Sn	W	Cu	Pb	Zn	Bi	Mo	
A87151	597825	5432655	10	10	10	60	25	10	10	
A87152	597900	5432680	<5	10	10	50	15	20	10	
A87153	598025	5432680	250	<10	5	40	20	20	5	Resample of A80803
A87154	598025	5432680	0.12%	<10	5	15	10	5	10	Heavy minerals of A80803
A87191	598025	5432680	155	-	-	-	-	-	-	A80803 repeat.
A87192	597975	5432680	8	-	-	-	-	-	-	100 m upstream of A80803.
A87193	597925	5432675	6	-	-	-	-	-	-	50 m upstream of A80803
A87194	597870	5432700	12	-	-	-	-	-	-	Side stream
A87195	597870	5432650	12	-	-	-	-	-	-	150 m upstream of A80803
A119815	598000	5432680	5	<10	10	40	20	10	10	
A119816	597950	5432680	<5	<10	10	65	20	10	10	
A119817	597925	5432680	<5	<10	10	50	20	5	10	
A119818	598025	5432680	<5	<10	10	30	5	<5	2	

DATA BASE  
NOS  
5915  
54615  
5916  
5917  
5918

APPENDIX VI

SODIN GRAVITY SURVEY

FORESTER CREEK AREA

Airport Station at R.L. 41 m 5422990 mN 607090 mE.  
Stn. 6491-9139 with value of 980.302.09 milligals.

<u>Stn.</u>	<u>Time</u>	<u>Reading</u>
Base 1/0	17.56	779.1
Airport	18.23	988.2
Base 1/0	18.45	794.7
Airport	19.09	988.7
Base 0/1	21.59	794.9
Airport	22.28	989.5

Difference between Airport 6491-9139 and Base 1 is 193.9 divisions.

## SODIN GRAVITY SURVEY

561107

STATION NUMBER		CO-ORDINATES		STATION ELEVATION	TIME	READING	CSR BASE/ TIME CORRECTED	MINES DEPT. CALCULATED DIFFERENCE	DR. D. LEAMAN TERRAIN CORRECTION
Original	Mines D.	mE	mN						
Base 1/0	0	598050	432655	76.38	8.59	792.35	792.35	-193.9	0.21
1/10S	1	598050	432645	77.15	9.18	791.6	791.9	-194.4	0.21
1/20S	2	598050	432635	77.99	9.25	788.75	789.15	-197.1	0.21
1/30S	3	598050	432625	78.52	9.30	787.7	788.2	-198.1	0.20
1/40S	4	598050	432615	78.92	9.39	786.5	787.1	-199.1	0.20
1/50S	5	598050	432605	79.27	9.44	786.2	786.9	-199.4	0.20
1/60S	6	598050	432595	79.54	9.49	784.8	785.6	-200.7	0.20
1/70S	7	598050	432585	80.00	9.59	783.1	784.0	-202.2	0.20
Base 1/0	-	598050	432655	76.38	10.01	791.4	792.35	-	-
1/80S	8	598050	432575	80.09	10.07	783.4	784.5	-201.7	0.19
1/90S	9	598050	432565	80.15	10.11	782.5	783.7	-202.5	0.19
1/100S	10	598049	432555	80.12	10.15	783.3	784.6	-201.6	0.21
1/120S	11	598049	432535	78.98	10.19	785.7	787.1	-199.1	0.22
1/140S	12	598049	432515	77.64	10.27	787.5	789.1	-197.1	0.21
1/160S	13	598048	432495	78.62	10.32	786.2	788.0	-198.3	0.20
1/180S	14	598048	432475	79.07	10.37	785.7	787.6	-198.6	0.22
1/200S	15	598048	432455	77.85	10.42	788.2	790.2	-196.0	0.21
1/220S	16	598048	432435	76.18	10.46	791.2	793.3	-192.9	0.20
Base 1/0	-	598050	432655	76.38	10.54	790.0	792.35	-	-
1/240S	17	598048	432415	77.07	11.01	789.1	791.6	-194.6	0.18
1/260S	18	598048	432395	79.45	11.06	785.2	787.9	-198.4	0.19
1/280S	19	598048	432375	79.89	11.12	784.1	786.9	-199.3	0.19
1/300S	20	598048	432355	80.21	11.16	783.3	786.2	-200.0	0.20
1/320S	21	598048	432335	80.84	11.20	781.5	784.5	-201.7	0.21
1/340S	22	598048	432315	81.81	11.24	779.3	782.4	-203.8	0.22
1/360S	23	598048	432295	82.66	11.30	777.3	780.6	-205.6	0.23
1/380S	24	598048	432275	83.71	11.44	775.5	779.2	-207.1	0.24
1/400S	25	598048	432255	84.03	11.49	773.6	777.6	-208.8	0.24
Base 0/1	-	598050	432655	76.38	11.58	788.3	792.35	-	-
1/420S	26	598048	432235	84.68	12.12	771.0	775.8	-210.4	0.25
1/440S	27	598048	432215	86.54	12.17	767.9	773.0	-213.2	0.26
1/460S	28	598048	432195	86.15	12.25	768.5	774.1	-212.2	0.26
1/480S	29	598048	432175	85.86	12.28	768.7	774.5	-211.8	0.27
1/500S	30	598048	432155	86.37	12.32	767.0	773.0	-213.3	0.27
Base 0/1	-	598050	432655	76.38	12.42	785.8	792.35	-	-
1/10N	31	598051	432665	75.45	12.47	788.4	795.1	-191.2	0.21
1/20N	32	598051	432675	74.92	12.50	788.8	795.5	-190.7	0.21
1/30N	33	598051	432685	75.16	12.53	789.0	795.8	-190.5	0.21
1/40N	34	598051	432695	75.72	12.58	788.4	795.3	-191.0	0.21
1/50N	35	598051	432705	76.57	13.00	786.1	793.0	-193.2	0.20
1/60N	36	598051	432715	76.65	13.07	784.9	792.0	-194.3	0.20
1/70N	37	598050	432725	76.37	13.09	785.7	793.8	-193.4	0.21
1/80N	38	598050	432735	75.42	13.13	788.5	795.7	-190.6	0.21
1/90N	39	598050	432745	74.80	13.25	789.6	797.0	-189.2	0.21
1/100N	40	598050	432758	74.92	13.34	789.2	796.8	-189.4	0.21
Base 0/1	-	598050	432655	76.38	13.41	784.6	792.35	-	-
1/120N	41	598050	432778	74.25	14.07	784.1	792.35	-	-
1/140N	42	598045	432803	77.04	14.34	782.1	791.1	-195.2	0.23
1/160N	43	598044	432822	80.12	14.38	776.9	786.0	-200.3	0.22
1/180N	44	598043	432842	81.11	14.41	774.5	784.6	-202.6	0.22
1/200N	45	598043	432862	83.15	14.54	770.6	780.1	-206.2	0.21
Base 0/1	-	598050	432655	76.38	15.04	782.6	792.35	-	-
1/220N	46	598042	432881	85.80	15.13	765.1	775.3	-211.0	0.21
1/240N	47	598040	432902	86.40	15.17	762.5	772.8	-213.4	0.21

STATION NUMBER		CO-ORDINATES		STATION ELEVATION	TIME	READING	CSR BASE/ TIME CORRECTED	MINES DEPT. CALCULATED DIFFERENCE	DR. D. LEAMAN TERRAIN CORRECTION
Original	Mines D.	mE	mN						
1/260N	48	598040	432922	87.29	15.20	762.2	772.7	-213.6	0.20
1/280N	49	598040	432940	87.08	15.24	761.5	772.1	-214.1	0.20
1/300N	50	598038	432962	87.07	15.27	761.0	771.8	-214.5	0.20
1/320N	51	598037	432982	85.59	15.31	764.9	775.9	-210.4	0.21
1/340N	52	598036	432002	85.17	15.36	766.3	779.5	-208.8	0.20
1/360N	53	598035	433022	85.63	15.41	765.6	777.0	-209.3	0.20
1/380N	54	598035	433041	87.15	15.44	762.9	774.4	-211.8	0.21
1/400N	55	598034	433062	86.95	15.49	762.3	774.1	-212.2	0.21
1/420N	56	598033	433082	85.76	15.53	765.6	777.5	-208.7	0.22
1/440N	57	598032	433102	89.12	15.56	761.8	773.9	-212.4	0.22
1/460N	58	598031	433122	88.82	15.59	758.8	771.0	-215.3	0.20
1/480N	59	598030	433142	90.34	16.03	755.1	767.5	-218.8	0.19
1/500N	60	598030	433161	91.62	16.06	751.7	764.2	-222.0	0.19
Base 1/0	-	598050	432655	76.38	16.16	779.4	792.35	-	-
2/500N	61	597998	433154	91.64	16.35	747.8	761.3	-225.0	0.17
2/480N	61	597998	433135	90.40	16.38	750.1	763.7	-222.6	0.18
2/460N	63	597998	433115	89.46	16.41	751.6	765.2	-221.0	0.17
2/440N	64	597998	433095	88.14	16.44	755.1	768.8	-217.4	0.19
2/420N	65	597998	433075	86.68	16.52	758.7	772.7	-213.6	0.19
2/400N	66	597998	433055	84.45	16.57	763.1	772.2	-209.1	0.19
2/380N	67	597998	433035	82.82	17.08	767.6	782.0	-204.2	0.18
Base 1/0	-	598050	432655	76.38	17.24	777.5	792.35	-	-
2/000N	68	597998	433655	77.21	17.31	778.7	793.6	-793.9	0.20
2/010N	69	597998	433665	76.83	17.34	777.4	792.3	-196.7	0.20
Base 1/0	-	598050	433655	76.38	17.42	780.7	Ignored	-	-
2/360N	70	597998	433015	82.51	18.04	764.0	779.0	-209.4	0.20
2/340N	71	597998	432995	82.40	18.08	765.1	780.1	-208.1	0.19
2/320N	72	597998	432975	82.72	18.12	763.3	772.3	-209.7	0.18
2/300N	73	597998	432955	82.92	18.20	762.9	778.0	-209.7	0.17
2/280N	74	597998	432935	83.20	18.22	763.0	778.1	-209.5	0.17
2/260N	75	597998	432915	82.55	18.26	763.9	779.0	-208.4	0.17
2/240N	76	597998	432895	83.64	18.29	762.9	778.0	-209.2	0.18
2/220N	77	597998	432875	80.13	18.31	767.1	782.2	-204.9	0.19
2/200N	78	597998	432855	77.93	18.35	773.0	758.1	-198.8	0.19
2/180N	79	597998	432835	75.98	18.39	778.0	793.1	-193.6	0.17
2/160N	80	597998	432825	75.68	18.41	777.9	793.0	-193.6	0.18
Base 1/0	-	597998	432655	76.38	18.48	777.2	792.35	-	-
2/140N	81	597998	432995	75.70	18.53	777.4	792.6	-193.7	0.19
2/120N	82	597998	432775	77.90	18.56	773.4	788.6	-197.6	0.19
2/100N	83	597998	432755	79.55	18.59	770.4	785.6	-200.6	0.18
2/90N	84	597998	432745	79.62	19.02	770.3	785.6	-200.7	0.18
2/80N	85	597998	432735	79.24	19.04	770.7	786.0	-200.3	0.18
2/70N	86	597998	432715	77.95	19.12	773.8	789.1	-197.1	0.19
2/50N	88	597998	432705	77.21	19.14	775.0	790.4	-195.9	0.19
2/20N	89	597998	432695	76.46	19.16	777.2	792.6	-193.7	0.19
2/30N	90	597998	432685	76.28	19.19	776.2	791.6	-194.7	0.19
2/20N	91	597998	432675	76.71	19.22	776.5	791.9	-194.3	0.10
Base 1/0	-	598050	432655	76.38	19.27	776.9	792.35	-	-
Base 1/0	-	598050	432655	76.38	8.32	778.1	792.35	-	-
2/105	92	597998	432645	78.22	8.43	774.3	785.4	-197.8	0.20
2/205	93	597998	432635	79.54	8.47	771.1	785.2	-201.1	0.19
2/305	94	597998	432625	80.46	8.52	769.1	783.1	-203.2	0.18
2/405	95	597998	432615	81.37	8.57	767.0	780.9	-205.3	0.18

STATION NUMBER		CO-ORDINATES		STATION ELEVATION	TIME	READING	CSR BASE/ TIME CORRECTED	MINES DEPT. CALCULATED DIFFERENCE	DR. D. LEAMAN TERRAIN CORRECTION
Original	Mines D.	mE	mN						
2/50S	96	597998	432605	81.88	9.02	766.2	780.1	-206.2	0.19
2/60S	97	597998	432595	81.87	9.07	766.1	779.9	-206.4	0.19
2/70S	98	597998	432585	80.60	9.12	766.9	780.6	-205.6	0.19
2/80S	99	597998	432575	81.24	9.16	768.0	781.7	-204.6	0.18
2/90S	100	597998	432565	80.98	9.20	768.8	782.4	-203.8	0.18
2/100S	101	597998	432555	80.71	9.26	769.6	783.1	-203.1	0.18
2/120S	102	597998	432535	80.75	9.35	770.0	783.4	-202.8	0.18
Base 1/0	-	598050	432655	76.38	9.41	779.0	792.35	-	0.18
2/140S	103	597998	432515	81.88	9.48	768.7	782.1	-204.1	0.18
2/160S	104	597998	432495	83.74	9.52	763.4	776.8	-209.4	0.18
2/180S	105	597998	432475	84.62	9.57	761.3	774.7	-211.4	0.19
2/200S	106	597998	432455	83.93	10.01	762.7	776.1	-210.0	0.18
2/220S	107	597998	432435	81.00	10.07	768.7	782.1	-203.9	0.18
2/240S	108	597998	432415	79.17	10.15	772.3	785.8	-200.3	0.17
2/260S	109	597998	432395	80.15	10.18	771.2	784.7	-201.3	0.17
2/280S	110	597998	432375	80.99	10.21	769.2	782.7	-203.3	0.18
2/300S	111	597998	432355	80.85	10.26	770.0	783.5	-202.4	0.19
2/320S	112	597998	432335	81.15	10.30	769.6	783.1	-202.8	0.20
Base 1/0	-	598050	432655	76.38	10.41	778.4	Ignored	-	-
2/340S	113	597998	432315	81.36	10.51	768.9	782.5	-203.4	0.21
2/360S	114	597998	432295	81.26	10.56	768.8	782.4	-203.5	0.22
2/380S	115	597998	432275	82.56	10.59	766.5	780.1	-205.9	0.23
2/400S	116	597998	432255	83.80	11.06	763.3	776.9	-209.1	0.25
2/420S	117	597998	432235	85.61	11.13	759.4	773.0	-213.0	0.27
2/440S	118	597998	432215	86.71	11.15	757.6	771.2	-214.8	0.28
2/460S	119	597998	432195	85.73	11.21	759.3	773.0	-213.1	0.29
2/480S	120	597998	432175	87.02	11.30	756.4	770.1	-215.9	0.29
2/500S	121	597998	432165	87.76	11.37	755.8	769.5	-216.7	0.30
Base 1/0	-	598050	432655	76.38	11.50	778.6	792.35	-	-
3/500S	122	597948	432155	91.28	12.09	745.2	759.0	-227.3	0.32
3/480S	123	597948	432175	88.82	12.13	750.00	763.8	-222.5	0.31
3/460S	124	597948	432195	87.66	12.16	752.2	766.0	-220.3	0.30
3/440S	125	597948	432215	88.45	12.19	750.3	764.1	-222.2	0.30
3/420S	126	597948	432235	88.44	12.21	750.7	764.5	-221.8	0.29
3/400S	127	597948	432255	86.15	12.25	755.6	769.4	-216.9	0.26
3/380S	128	597948	432275	83.55	12.30	760.8	774.6	-211.7	0.24
3/360S	129	597948	432295	83.18	12.35	761.9	775.7	-210.6	0.23
Base 1/0	-	598050	432655	76.38	12.43	778.6	792.35	-	-
3/340S	130	597948	432315	83.40	13.09	761.1	775.0	-211.2	0.22
3/320S	131	597948	432335	83.57	13.13	760.5	774.4	-211.8	0.21
3/300S	132	597948	432355	84.47	13.17	759.4	773.4	-212.9	0.21
3/280S	133	597948	432375	84.91	13.20	757.9	771.9	-214.4	0.20
3/260S	134	597948	432395	84.05	13.23	759.8	773.8	-212.4	0.19
3/240S	135	597948	432415	82.72	13.26	76.30	777.0	-209.2	0.17
3/220S	136	597948	432435	82.07	13.30	763.0	777.0	-209.2	0.17
3/220S	137	597948	432455	82.65	13.33	762.1	776.2	-210.1	0.17
3/180S	138	597948	432475	83.43	13.36	761.1	775.2	-211.1	0.18
Base 1/0	-	598050	432655	76.38	13.44	778.2	792.35	-	-
3/160S	139	597948	432495	84.79	13.49	757.8	771.9	-214.4	0.18
3/140S	140	597948	432515	84.37	13.55	759.0	773.1	-213.3	0.18
3/120S	141	597948	432535	84.70	13.57	757.5	771.6	-214.8	0.18
3/100S	142	597948	432555	84.11	14.01	759.02	773.3	-213.2	0.18

STATION NUMBER		CO-ORDINATES		STATION ELEVATION	TIME	READING	CSR BASE/TIME CORRECTED	MINES DEPT. CALCULATED DIFFERENCE	DR. D. LEAMAN TERRAIN CORRECTION
Original	Mines D.	mE	mN						
3/90S	143	597948	432565	83.52	14.05	760.8	774.9	-211.7	0.18
3/80S	144	597948	432575	82.94	14.09	762.0	776.1	-210.5	0.17
3/70S	145	597948	432585	82.21	14.12	764.8	778.9	-207.8	0.17
3/60S	146	597948	432595	81.69	14.15	765.7	779.8	-206.9	0.17
3/50S	147	597948	432605	81.24	14.19	766.5	780.6	-206.2	0.17
3/40S	148	597948	432615	80.78	14.22	767.4	781.5	-205.4	0.17
3/30S	149	597948	432625	79.91	14.25	769.2	783.2	-203.6	0.17
3/20S	150	597948	432635	78.91	14.24	771.1	785.1	-201.8	0.17
3/10S	151	597948	432645	78.10	14.33	772.6	786.6	-200.2	0.18
3/0S	152	597948	432655	77.31	14.37	773.9	787.9	-199.1	0.17
Base 1/0	-	598050	432655	76.38	14.42	779.2	Ignored	-	-
3/10N	153	597948	432665	77.07	14.48	774.7	788.7	-198.3	0.17
3/20N	154	597948	432675	77.16	14.51	774.4	788.4	-198.6	0.17
3/30N	155	597948	432685	77.21	14.55	774.8	788.8	-198.2	0.17
3/40N	156	597948	432695	76.84	15.00	775.2	789.2	-197.7	0.17
3/50N	157	597948	432705	76.78	15.06	775.3	789.3	-197.5	0.17
3/60N	158	597948	432715	77.41	15.09	774.4	788.4	-198.4	0.17
3/70N	159	597948	432725	78.47	15.12	772.8	786.7	-200.0	0.18
3/80N	160	597948	432735	79.40	15.15	770.7	784.6	-202.0	0.18
3/90N	161	597948	432745	80.19	15.18	769.4	783.3	-203.3	0.19
3/100N	162	597948	432755	80.74	15.21	768.0	781.9	-204.7	0.19
3/120N	163	597948	432775	81.50	15.24	766.3	780.2	-206.3	0.19
3/140N	164	597948	432795	82.09	15.37	765.5	779.4	-207.1	0.19
3/160N	165	597948	432815	81.08	15.31	767.6	781.5	-205.0	0.18
3/180N	166	597948	432835	80.05	15.34	770.1	784.0	-202.4	0.18
3/200N	167	597948	432855	78.19	15.39	774.3	788.2	-198.2	0.19
Base 1/0	-	598050	432655	76.38	15.45	778.5	792.35	-	-
3/220N	168	597948	432875	74.84	15.53	779.6	793.3	-192.9	0.21
3/240N	169	597948	432895	74.78	15.58	780.0	793.7	-192.6	0.20
3/260N	170	597948	432915	75.30	16.08	779.8	793.3	-192.9	0.19
3/280N	171	597948	432935	75.89	16.12	778.2	791.7	-194.6	0.19
3/300N	172	597948	432955	76.57	16.19	776.4	789.8	-196.5	0.19
3/320N	173	597948	432975	78.77	16.26	772.3	785.6	-200.7	0.19
3/340N	174	597948	432993	81.99	16.29	766.2	779.4	-206.8	0.19
Base 1/0	-	598050	432655	76.38	16.41	779.3	792.35	-	-
3/360N	175	597948	433013	85.19	16.51	759.8	772.8	-213.4	0.23
3/380N	176	597948	433033	86.20	16.53	757.8	770.8	-215.4	0.21
3/400N	177	597948	433053	87.80	16.56	754.4	767.4	-218.8	0.19
3/420N	178	597948	433073	88.09	17.00	752.8	765.8	-220.5	0.18
3/440N	179	597948	433093	87.80	17.03	752.8	765.8	-220.5	0.17
3/460N	180	597948	433113	88.69	17.06	751.2	764.8	-222.1	0.17
3/480N	181	597948	433133	88.93	17.10	751.2	764.2	-221.1	0.17
3/500N	182	597948	433153	89.83	17.13	749.2	762.1	-224.1	0.17
Base 1/0	-	598050	432655	76.38	17.42	779.5	792.35	-	-
Base 1/0	-	598050	432655	76.38	16.41	779.3	792.35	-	-
2/360N	183	597948	433015	82.51	17.22	766.7	779.6	-206.6	0.20
2/0	184	597948	432655	77.21	17.33	777.8	790.7	-195.6	0.20
2/10N	185	597948	432665	76.83	17.38	778.6	791.5	-194.8	0.20
Base 1/0	-	598050	432655	76.38	17.42	779.5	792.35	-	-
1/10S	186	598050	432645	77.15	17.46	777.7	790.7	-195.6	0.21
1/20S	187	598050	432635	77.99	17.49	775.7	788.9	-	-
Base 1/0	-	598050	432655	76.38	17.56	779.1	792.35	-	-
Base 1/0	-	598050	432655	76.34	11.50	778.6	792.35	-216.0	0.29
2/480S	188	597948	432175	87.02	12.00	756.5	770.25	-216.0	0.29
2/500S	189	597948	432155	87.76	12.05	755.2	768.95	-217.3	0.29
Base 1/0	-	598050	432655	76.38	12.43	778.6	792.35	-	-

Drum

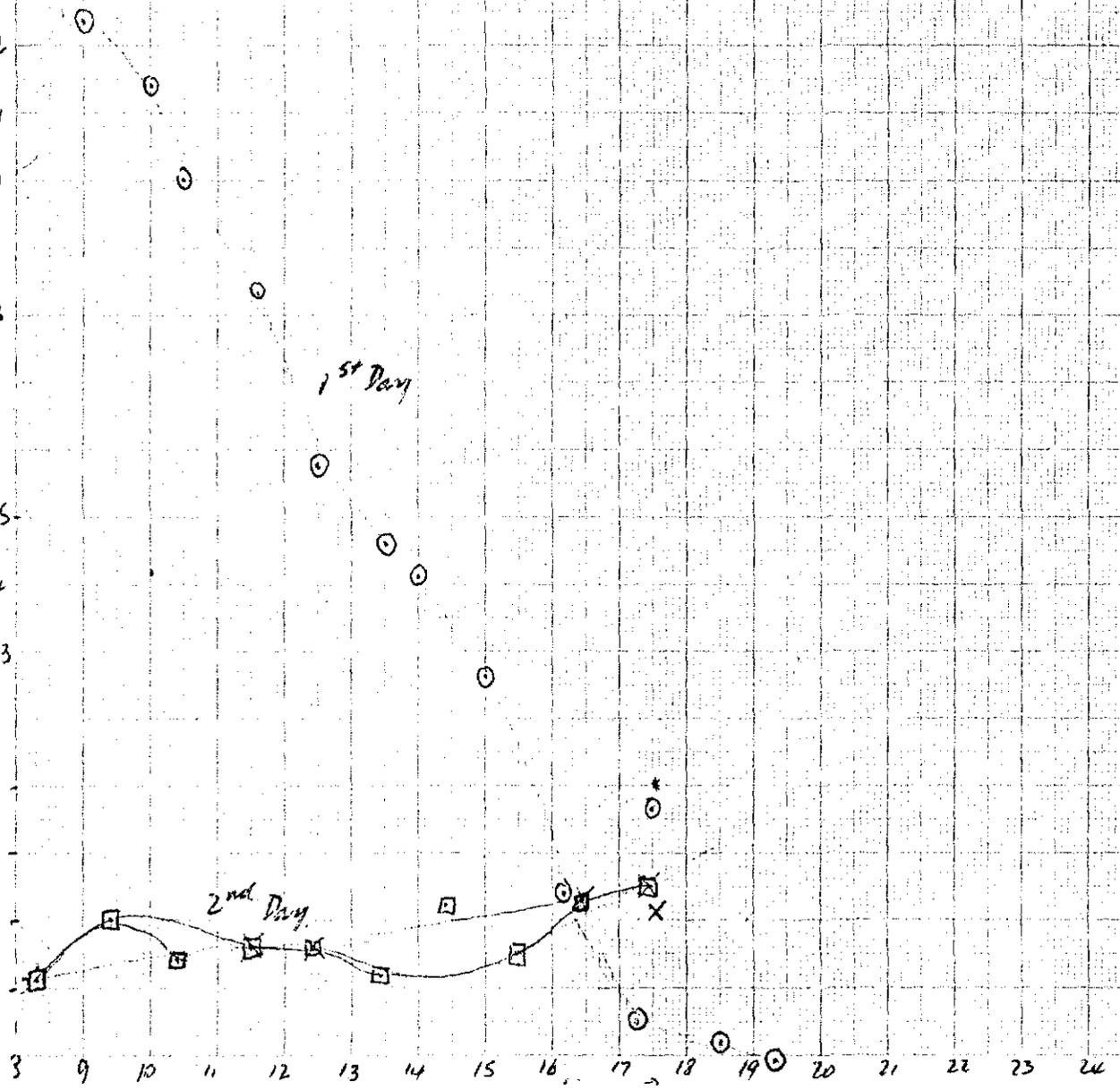
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Base 1/0 Drift curves.

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- - second check
- x - check
- ⊠ - second check coincide

1st Day

2nd Day



GRAVITY DATA SHEET

BASEL STAT

1/0

ELLIS DATE INSTRUMENT SODIN REF. LEVEL BOOK - ALTSHEETS - P<sub>1</sub>=2.8 P<sub>2</sub>=2.8 P<sub>3</sub>=2.8 CORR. BASE (mgals)  
 AREA 7.5 M<sup>2</sup> METER CONST. 0.9967 OPERATOR P. ELLIS C<sub>1</sub> C<sub>2</sub> C<sub>3</sub> STAND. CORR (mgals)

LINE	STAT	RDS [DIV]	TIME	CORR RDG		ELEV [Meters]	ELEV DIFF	LAT CORR [Mgal]	BOUGUER GRAVITY			C <sub>n</sub> = 0.3086 - 0.04185 · P <sub>n</sub>		REMARKS
				Mgals	[Mgal]				P <sub>1</sub> 2-4	P <sub>2</sub> 2-67	P <sub>3</sub> 28	M <sub>2-2</sub>	2-67	
1	500S	767.0	1232		77.0	106.37	-9.99	-0.21	0.76	-0.42	-1.02	99.62	98.72	97.52
	480S	768.7	1228		77.2	105.86	-9.98	-0.39	0.87	-0.32	-0.90	99.73	98.84	97.65
	460S	768.5	1225		77.2	106.15	-9.77	-0.37	0.95	-0.25	-0.83	99.81	98.92	97.72
	440S	767.9	1217		77.0	106.54	-10.16	-0.36	0.25	-0.36	-0.94	99.71	98.82	97.61
	420S	771.0	1212		77.3	104.68	-8.3	-0.36	0.22	-0.41	-0.98	99.62	98.75	97.56
	400S	773.6	1149		77.5	104.02	-7.65	-0.32	0.26	-0.32	-0.28	99.70	98.83	97.65
	380S	775.5	1144		77.7	103.71	-7.33	-0.31	1.01	-0.16	-0.73	99.75	98.98	97.81
	360S	777.3	1130		77.8	102.66	-6.28	-0.29	0.91	-0.26	-0.81	99.73	98.78	97.71
	340S	779.3	1124		78.0	101.81	-5.93	-0.28	0.94	-0.21	-0.76	99.77	98.91	97.76
	320S	781.5	1120		78.2	100.84	-4.46	-0.26	0.96	-0.18	-0.73	99.77	98.93	97.79
	300S	783.3	1116		78.4	100.21	-3.83	-0.24	1.04	-0.09	-0.63	99.85	99.01	97.88
	280S	784.1	1112		78.4	99.89	-3.51	-0.23	0.99	-0.14	-0.68	99.80	98.96	97.83
	260S	785.2	1106		78.5	99.45	-3.07	-0.21	1.02	-0.11	-0.65	99.82	98.99	97.85
	240S	789.1	1101		78.9	97.07	-0.69	-0.19	0.94	-0.16	-0.69	99.72	98.91	97.81
	220S	791.2	1046		79.1	96.18	0.20	-0.18	0.97	-0.12	-0.64	99.75	98.92	97.85
	200S	788.2	1042		78.8	97.85	-1.47	-0.16	1.03	-0.07	-0.60	99.82	99.02	97.90
	180S	785.7	1037		78.5	99.07	-2.69	-0.15	1.00	-0.12	-0.65	99.80	98.97	97.85
	160S	786.2	1032		78.5	98.62	-2.24	-0.13	0.93	-0.19	-0.72	99.72	98.90	97.78
	140S	787.5	1027		78.6	97.64	-1.26	-0.11	0.84	-0.26	-0.80	99.63	98.81	97.71
	120S	785.7	1019		78.4	98.98	-2.60	-0.10	0.93	-0.18	-0.72	99.74	98.92	97.79
	100S	783.3	1015		78.2	100.12	-3.74	-0.08	0.99	-0.14	-0.69	99.80	98.96	97.83
	90S	782.5	1011		78.1	100.15	-3.77	-0.07	0.90	-0.23	-0.78	99.71	98.87	97.76
	80S	783.4	1007		78.2	100.09	-3.71	-0.06	1.00	-0.13	-0.68	99.81	98.97	97.84
	70S	783.1	959		78.1	100.00	-3.62	-0.06	0.89	-0.24	-0.79	99.69	98.86	97.73
	60S	784.8	949		78.3	99.74	-3.36	-0.05	1.04	-0.09	-0.63	99.85	99.01	97.88
	50S	786.2	944		78.6	99.27	-2.89	-0.04	1.05	-0.07	-0.61	99.87	99.03	97.90

561112

GRAVITY DATA SHEET

BASE STAT

DATE

INSTRUMENT

REF. LEVEL BOOK -  
ALT SHEETS -

P<sub>1</sub>=2.0 P<sub>2</sub>=2.6 P<sub>3</sub>=2.8

CORR BASE  
(mgals)

AREA TMS -

METER CONST. 09967

OPERATOR P. ELLIS

C<sub>1</sub> C<sub>2</sub> C<sub>3</sub>

STAND. CORR  
(mgals)

LINE	STAT	RDG [DIV]	TIME	TIDAL Mgals	CORR RDG [Mgal]	ELEV [Meters]	ELEV DIFF	LAT CORR [Mgal]	BOUGUER GRAVITY			REMARKS		
									P <sub>1</sub>	P <sub>2</sub> 2.67	P <sub>3</sub>	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>
1	40S	786.5	9:39		78.4	98.92	-2.54	-0.03	0.99	-0.13	-0.67	99.78	98.96	97.84
	30S	787.7	9:30		78.6	98.52	-2.14	-0.02	1.11	0.00	-0.54	99.91	99.08	97.97
	20S	788.8	9:25		78.6	97.99	-1.61	-0.02	1.01	-0.10	-0.63	99.78	98.96	97.85
	10S	791.4	9:18		78.9 (78.8)	97.15	-0.77	-0.01	1.08	-0.06	-0.58	99.83	97.01	97.91
	0	792.35	8:59		79.0	96.38	0	0.00	1.09	0.00	-0.52	from A'PORT 500 P 11.57 99.00	980.30	90.00 (90.00)
	10N	788.4	12:47		79.2	95.45	0.93	0.01	1.10	0.03	-0.49	99.87	99.07	98.00
	20N	788.8	12:50		79.3	94.92	1.46	0.02	1.10	0.03	-0.49	99.87	99.07	98.00
	30N	789.0	12:53		79.3	95.16	1.22	0.02	1.16	0.09	-0.43	99.83	99.13	98.06
	40N	788.6	12:58		79.3	95.72	0.66	0.03	1.29	0.20	-0.32	100.06	99.26	98.17
	50N	786.1	13:00		79.0	96.57	-0.19	0.04	1.17	0.08	-0.45	99.95	99.14	98.05
	60N	784.9	13:07		78.9	96.65	-0.27	0.05	1.10	0.00	-0.52	99.87	99.07	97.97
	70N	785.7	13:09		79.1	96.38	0	0.06	1.25	0.16	-0.37	100.02	99.22	98.12
	80N	788.5	13:13		79.3	95.42	0.96	0.06	1.26	0.18	-0.34	100.02	99.23	98.15
	90N	789.6	13:25		79.4	94.80	1.58	0.07	1.23	0.16	-0.35	100.00	99.20	98.13
	100N	789.2	13:34		79.4	94.92	1.46	0.08	1.27	0.19	-0.32	100.03	99.24	98.16
	120N	787.0	14:28		79.3	95.25	1.13	0.10	1.25	0.18	-0.34	100.02	99.22	98.15
	140N	782.1	14:34		78.8	97.04	-0.66	0.11	1.14	0.04	-0.48	99.92	99.11	98.11
	160N	776.9	14:38		78.3	100.12	-3.74	0.13	1.30	0.17	-0.38	100.11	99.27	98.14
	180N	774.5	14:41		78.2	101.11	-4.73	0.15	1.42	0.28	-0.27	100.24	99.39	98.25
	200N	770.6	14:54		77.8	103.15	-6.77	0.16	1.46	0.30	-0.27	100.30	99.43	98.27
	220N	765.1	15:13		77.3	105.80	-9.42	0.18	1.53	0.33	-0.24	100.39	99.50	98.30
	240N	762.5	15:17		77.0	106.40	-10.02	0.19	1.37	0.17	-0.41	100.23	99.36	98.14
	260N	762.2	15:20		77.0	107.29	-10.91	0.21	1.57	0.36	-0.22	100.44	99.54	98.33
	280N	761.5	15:24		77.0	107.08	-10.70	0.23	1.54	0.33	-0.25	100.41	99.51	98.30
	300N	761.0	15:27		76.9	107.07	-10.69	0.24	1.46	0.25	-0.33	100.32	99.43	98.22
	320N	764.9	15:31		77.3	105.51	-9.13	0.26	1.55	0.36	-0.22	100.40	99.50	98.22

C<sub>n</sub> = 0.3086 - 0.04185 - P<sub>n</sub>

5

50  
111  
11

GRAVITY DATA SHEET

BASE STAT 1/0

DATE \_\_\_\_\_ INSTRUMENT SODIN REF. LEVEL BOOK - \_\_\_\_\_ ALT SHEETS - \_\_\_\_\_  
 AREA TASMANIA METER CONST. 0.9967 OPERATOR P. ELLIS  $P_1=2.6 P_2=2.6 P_3=2.7$   
 $C_1 C_2 C_3$

CORR BASE (mgals)  
 STAND. CORR (mgals)

LINE	STAT	RDG [DIV]	TIME	TIDAL Mgals	CORR RDG [Mgal]	ELEV [Meters]	ELEV DIFF (m)	LAT CORR [Mgal]	BOUGUER GRAVITY			REMARKS		
									P <sub>1</sub>	P <sub>2</sub>	P <sub>3</sub>	2.2	2.67	2.67
1	340N	766.3	1536		77.5	105.17	-8.79	0.28	1.70	0.51	-0.07	100.55	99.67	98.48
	360N	765.6	1541		77.4	105.63	-9.25	0.29	1.71	0.51	-0.06	100.56	99.68	98.48
	380N	762.9	1544		77.2	107.15	-10.77	0.31	1.84	0.63	0.05	100.71	99.81	98.60
	400N	762.3	1549		77.2	106.95	-10.57	0.32	1.81	0.61	0.02	1100.68	99.78	98.58
	420N	765.6	1553		77.5	105.76	-9.38	0.34	1.98	0.69	0.11	100.74	99.85	98.66
	440N	761.8	1556		77.1	109.12	-12.74	0.36	2.20	0.97	0.37	101.08	100.17	98.94
	460N	758.8	1559		76.8	108.82	-12.44	0.37	1.85	0.62	0.03	100.73	99.82	98.59
	480N	755.1	1603		76.5	110.34	-13.96	0.39	1.89	0.64	0.04	100.78	99.86	98.61
	500N	757.7	1606		76.2	111.62	-15.24	0.41	1.87	0.61	0.00	100.77	99.84	98.58
2	500N	747.8	1635		75.9	111.64	-15.26	0.41	1.57	0.31	-0.30	100.48	99.54	98.28
	480N	750.1	1638		76.1	110.40	-14.02	0.39	1.50	0.25	-0.35	100.39	99.47	98.22
	460N	751.6	1641		76.3	109.46	-13.08	0.37	1.49	0.25	-0.35	100.37	99.45	98.22
	440N	755.1	1644		76.6	108.24	-11.76	0.36	1.49	0.27	-0.32	100.27	99.46	98.24
	420N	758.7	1652		77.0	106.68	-10.3	0.34	1.57	0.37	-0.21	100.44	99.59	98.34
	400N	763.1	1657		77.5	104.45	-8.07	0.32	1.59	0.41	-0.15	100.44	99.56	98.38
	380N	767.6	1708		77.9	102.82	-6.44	0.31	1.64	0.48	-0.08	100.47	99.61	98.45
	360N	764.0	1804		77.6(77.7)	102.51	-6.13	0.29	1.36	0.20	-0.36	100.19	99.33	98.17
	340N	765.1	1808		77.8	102.40	-6.02	0.28	1.42	0.26	-0.30	100.25	99.39	98.23
	320N	763.3	1812		77.6	102.72	-6.34	0.26	1.27	0.11	-0.45	100.10	99.24	98.08
	300N	762.9	1820		77.5	102.92	-6.54	0.24	1.19	0.03	-0.53	100.03	99.16	98.00
	280N	763.0	1822		77.6	103.20	-6.82	0.23	1.34	0.17	-0.39	100.17	99.31	98.14
	260N	763.9	1826		77.6	102.55	-6.17	0.21	1.19	0.03	-0.53	100.01	99.16	98.00
	240N	762.9	1829		77.5	103.64	-7.26	0.19	1.30	0.12	-0.44	100.13	99.27	98.09
220N	767.1	1831		78.0	100.13	-3.75	0.18	1.05	0.08	-0.63	99.86	99.02	97.89	

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561114

GRAVITY DATA SHEET

BASE STAT 1/0

DATE

INSTRUMENT *SODIN*

REF. LEVEL BOOK #  
ALT SHEETS #

$P_1=2.4 P_2=2.6 P_3=2.9$

CORR BASE (mgals)

AREA TASMANIA

METER CONST. *09967*

OPERATOR *R. ELLIS*

$C_1 C_2 C_3$

STAND. CORR (mgals)

LINE	STAT	RDG [DIV]	TIME	TIDAL	CORR RDG	ELEV	ELEV   LAT CORR		BOUGUER GRAVITY			$C_n = 0.3086 - 0.04185 \cdot P_n$		
				Mgals	[Mgal]	[Meters]	DIFF (m)	[Mgal]	$P_1$	$P_2$	$P_3$	2.2	REMARKS	2.67
2	200N	773.0	18:35		78.6	97.93	-1.55	0.16	1.18	0.07	-0.46	99.96	99.15	98.04
	180N	778.0	18:39		79.0	95.98	0.40	0.15	1.15	0.07	-0.45	99.93	99.12	98.04
	160N	777.9	18:41		79.0	95.68	0.70	0.13	1.07	-0.01	-0.53	99.85	99.04	97.96
	140N	777.4	18:53		79.0	95.70	0.68	0.11	1.06	-0.02	-0.54	99.82	99.03	97.95
	120N	773.4	18:56		78.6	97.90	-1.52	0.10	1.10	0.00	-0.54	99.89	99.07	97.97
	100N	770.4	18:59		78.3	99.55	-3.17	0.08	1.13	0.01	-0.54	99.93	99.10	97.98
	90N	770.3	19:02		78.3	99.62	-3.24	0.07	1.14	0.01	-0.54	99.94	99.11	97.98
	80N	770.7	19:04		78.3	99.24	-2.86	0.06	1.05	-0.07	-0.61	99.85	99.02	97.90
	70N	771.6	19:08		78.4	98.66	-2.28	0.06	1.02	-0.09	-0.63	99.82	98.99	97.88
	60N	773.8	19:12		78.6	97.95	-1.57	0.05	1.07	-0.04	-0.57	99.86	99.04	97.93
	50N	775.0	19:14		78.8	97.21	-0.83	0.04	1.10	0.00	-0.52	99.89	99.07	97.97
	40N	772.2	19:16		79.0	96.46	-0.08	0.03	1.14	0.05	-0.48	99.92	99.11	98.02
	30N	776.2	19:19		78.9	96.28	-0.1	0.02	0.99	-0.09	-0.62	99.77	98.96	97.88
	20N	776.5	19:22		78.9	96.71	-0.33	0.02	1.08	-0.02	-0.54	99.85	99.05	97.95
	10N	777.4	17:39		79.0 (78.9)	96.83	-0.45	0.01	1.09	0.00	-0.53	99.87	99.06	97.97
	00	778.7	17:31		79.1 (78.9)	97.21	-0.83	0	1.06	-0.00	-0.56	99.85	99.03	97.93
	10S	774.3	8:43		78.6	98.22	-1.84	-0.01	1.07	-0.05	-0.58	99.86	99.04	97.92
	20S	771.1	8:47		78.3	99.54	-3.16	-0.02	1.03	-0.09	-0.64	99.83	99.00	97.88
	30S	769.1	8:52		78.0	100.46	-4.08	-0.02	0.91	-0.22	-0.77	99.73	98.88	97.75
	40S	767.0	8:57		77.8	101.37	-4.99	-0.03	0.90	-0.25	-0.80	99.71	98.87	97.72
	50S	766.2	9:02		77.8	101.88	-5.50	-0.04	0.99	-0.16	-0.71	99.82	98.96	97.81
	60S	766.1	9:07		77.7	101.87	-5.49	-0.05	0.88	-0.27	-0.82	99.71	98.85	97.70
	70S	766.9	9:12		77.8	100.60	-4.22	-0.06	0.92	-0.42	-0.86	99.52	98.68	97.53
	80S	768.0	9:16		77.9	101.24	-4.86	-0.06	0.94	-0.21	-0.76	99.75	98.91	97.76
	90S	768.8	9:20		78.0	100.98	-4.60	-0.07	0.97	-0.17	-0.72	99.79	98.94	97.80
	100S	769.6	9:26		78.0	100.71	-4.33	-0.08	0.91	-0.23	-0.78	99.72	98.89	97.74

501115

GRAVITY DATA SHEET

BASE STAT 1/0

DATE

INSTRUMENT SODIN

REF. LEVEL BOOK -  
ALT SHEETS -

P<sub>1</sub>=2.4 P<sub>2</sub>=2.6 P<sub>3</sub>=2.8

CORR BASE  
(mgals)

AREA TASMANIA

METER CONST. 0.9967

OPERATOR P. ELLIS

C<sub>1</sub> C<sub>2</sub> C<sub>3</sub>

STAND. CORR  
(mgals)

LINE	STAT	RDG [DIV]	TIME	TIDAL Mgals	CORR RDG [Mgal]	ELEV [Meters]	ELEV DIFF (m)	LAT CORR [Mgal]	BOUGUER GRAVITY			REMARKS		
									P <sub>1</sub>	P <sub>2</sub>	P <sub>3</sub>	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>
2	120 S	770.0	935		78.1	100.75	-4.37	-0.10	1.00	-0.14	-0.68	99.82	98.97	97.83
	140 S	768.7	948		78.0	101.88	-5.50	-0.11	1.12	-0.03	-0.58	99.94	99.09	97.94
	160 S	763.4	952		77.4	103.74	-7.36	-0.13	0.89	-0.28	-0.84	99.73	98.86	97.69
	180 S	761.3	957		77.2	104.62	-8.24	-0.15	0.86	-0.32	-0.89	99.70	98.83	97.65
	200 S	761.7	1001		77.4	103.93	-7.55	-0.16	0.90	-0.28	-0.84	99.74	98.87	97.69
	220 S	768.7	1007		78.0	101.00	-4.62	-0.18	0.87	-0.27	-0.82	99.69	98.84	97.70
	240 S	772.3	1015		78.3	99.17	-2.17	-0.19	0.78	-0.34	-0.88	99.58	98.75	97.63
	260 S	771.2	1018		78.2	100.15	-3.77	-0.21	0.86	-0.27	-0.81	99.67	98.83	97.70
	280 S	769.2	1021		78.0	100.99	-4.61	-0.23	0.82	-0.32	-0.87	99.64	98.79	97.65
	300 S	770.0	1026		78.1	100.85	-4.47	-0.24	0.88	-0.26	-0.81	99.69	98.85	97.71
	320 S	769.6	1030		78.0	101.15	-4.77	-0.26	0.82	-0.32	-0.87	99.64	98.79	97.65
	340 S	768.9	1051		78.0	101.36	-4.98	-0.28	0.85	-0.29	-0.85	99.67	98.82	97.68
	360 S	768.8	1056		78.0	101.26	-4.88	-0.29	0.81	-0.38	-0.88	99.63	98.78	97.64
	380 S	766.5	1059		77.8	102.56	-6.18	-0.31	0.87	-0.29	-0.85	99.70	98.84	97.68
	400 S	763.3	1106		77.4	103.80	-7.42	-0.32	0.71	-0.46	-1.03	99.55	98.68	97.57
	420 S	759.4	1112		77.0	105.61	-9.23	-0.36	0.65	-0.54	-1.11	99.52	98.64	97.55
	440 S	757.6	1115		76.9	106.71	-10.33	-0.36	0.78	-0.42	-1.00	99.65	98.75	97.55
	460 S	759.3	1121		77.0	105.73	-9.35	-0.37	0.66	-0.53	-1.11	99.52	98.63	97.44
	480 S	758.4	1130		76.7(76.8)	107.02	-10.64	-0.39	0.72	-0.49	-1.08	99.58	98.69	97.48
	500 S	755.8	1137		76.7(76.6)	107.76	-11.38	-0.41	0.65	-0.56	-1.15	99.53	98.62	97.41

201110

GRAVITY DATA SHEET

BASE STAT 1/0

DATE

INSTRUMENT EDDIN

REF. LEVEL BOOK -  
ALT SHEETS -

$P_1=2.4 P_2=2.6 P_3=2.8$

CORR BASE  
(mgals)

AREA TASMANIA

METER CONST. 0.9967

OPERATOR P. ELLIS

$C_1 C_2 C_3$

STAND. CORR  
(mgals)

LINE	STAT	RDG [DIV]	TIME	TIDAL Mgals	CORR RDG [Mgal]	ELEV [Meters]	DEV		BOUGUER GRAVITY			REMARKS		
							DIFF (m)	[Mgal]	$P_1$	$P_2$	$P_3$	$C_n = 0.3086 - 0.04185 \cdot P_n$		
3	500S	745.2	1209		75.6	111.28	-14.90	-0.41	0.39	-0.87	-1.48	99.25	98.36	97.10
	480S	750.0	1213		76.1	108.82	-12.44	-0.39	0.39	-0.84	-1.43	99.27	98.36	97.12
	460S	752.2	1216		76.4	107.62	-11.28	-0.37	0.46	-0.75	-1.34	99.34	98.43	97.22
	440S	750.3	1219		76.2	108.45	-12.07	-0.36	0.45	-0.78	-1.37	99.32	98.42	97.19
	420S	750.7	1221		76.2	108.44	-12.06	-0.34	0.46	-0.77	-1.36	99.34	98.43	97.20
	400S	755.6	1225		76.7	106.15	-9.77	-0.32	0.52	-0.70	-1.28	99.36	98.42	97.27
	380S	760.8	1230		77.2	103.55	-7.17	-0.31	0.47	-0.70	-1.26	99.31	98.44	97.27
	360S	761.9	1235		77.3	103.19	-6.81	-0.29	0.52	-0.65	-1.21	99.35	98.49	97.32
	340S	761.1	1309		77.2	103.40	-7.02	-0.28	0.48	-0.69	-1.26	99.31	98.45	97.28
	320S	760.5	1313		77.2	103.57	-7.19	-0.26	0.53	-0.64	-1.21	99.26	98.50	97.33
	300S	759.4	1317		77.1	104.47	-8.09	-0.24	0.63	-0.55	-1.12	99.48	98.60	97.42
	280S	757.9	1320		76.9	104.91	-8.53	-0.23	0.54	-0.65	-1.22	99.39	98.51	97.32
	260S	759.8	1323		77.1	104.05	-7.67	-0.21	0.58	-0.60	-1.17	99.42	98.55	97.37
	240S	763.0	1326		77.4	102.72	-6.34	-0.19	0.61	-0.58	-1.10	99.45	98.59	97.43
	220S	763.0	1330		77.4	102.07	-5.69	-0.18	0.50	-0.66	-1.21	99.32	98.47	97.31
	200S	762.1	1333		77.4	102.65	-6.27	-0.16	0.63	-0.53	-1.09	99.46	98.60	97.44
	180S	761.1	1336		77.3	103.43	-7.05	-0.15	0.71	-0.46	-1.02	99.55	98.68	97.51
	160S	761.1	1349		76.9	104.79	-8.41	-0.13	0.61	-0.57	-1.14	99.46	98.58	97.40
	140S	757.8	1355		77.0	104.37	-7.99	-0.11	0.64	-0.54	-1.11	99.48	98.61	97.43
	120S	757.5	1357		76.9	104.70	-8.32	-0.10	0.62	-0.56	-1.13	99.47	98.59	97.41
	100S	759.2	1401		77.1	104.11	-7.73	-0.08	0.72	-0.46	-1.03	99.56	98.69	97.57
	90S	760.8	1405		77.2	103.52	-7.14	-0.07	0.70	-0.47	-1.03	99.54	98.67	97.50
	80S	762.0	1409		77.4	102.94	-6.56	-0.06	0.79	-0.37	-0.93	99.62	98.76	97.60
	70S	764.8	1412		77.6	102.21	-5.83	-0.06	0.85	-0.31	-0.86	99.67	98.82	97.66
	60S	765.7	1415		77.7	101.69	-5.31	-0.05	0.85	-0.30	-0.86	99.67	98.82	97.67
	50S	766.5	1419		77.8	101.24	-4.86	-0.04	0.86	-0.28	-0.83	99.68	98.82	97.67

SEE  
ATTN

GRAVITY DATA SHEET

BASE STAT 1/0

DATE

INSTRUMENT SODIN

REF. LEVEL BOOK - ALT SHEETS -

P<sub>1</sub>=24 P<sub>2</sub>=267 P<sub>3</sub>=28

CORR BASE (mgals)

AREA TASMANIA

METER CONST. 09967

OPERATOR P. ELLIS

C<sub>1</sub> C<sub>2</sub> C<sub>3</sub>

STAND. CORR (mgals)

LINE	STAT	RDG (DIV)	TIME	TIDAL Mgals	CORR RDG [Mgal]	ELEV [Meters]	ELEV DIFF (m)	LAT CORR [Mgal]	BOUGUER GRAVITY			C <sub>n</sub> = 0.3086 - 0.04185 - P <sub>n</sub>		
									P <sub>1</sub>	P <sub>2</sub>	P <sub>3</sub>	REMARKS	2.2	2.62
3	40S	767.4	1422		77.9	100.78	-4.40	-0.03	0.87	-0.27	-0.81	99.75	98.91	97.77
	30S	769.2	1425		78.1	99.91	-3.53	-0.02	0.90	-0.23	-0.77	99.71	98.87	97.74
	20S	771.1	1429		78.2	98.91	-2.53	-0.02	0.80	-0.32	-0.86	99.60	98.77	97.65
	10S	772.6	1433		78.5	98.10	-1.72	-0.01	0.94	-0.17	-0.70	99.73	98.91	97.80
	0S	773.9	1437		78.5	97.31	-0.93	0	0.78	-0.32	-0.85	99.74	98.92	97.81
	10N	774.7	1448		78.6	97.08	-0.70	0.01	0.84	-0.25	-0.78	99.61	98.80	97.70
	20N	774.4	1451		78.6	97.16	-0.78	0.02	0.87	-0.23	-0.76	99.63	98.82	97.72
	30N	774.8	1455		78.6	97.21	-0.83	0.02	0.89	-0.21	-0.74	99.67	98.86	97.76
	40N	775.2	1500		78.7	96.84	-0.46	0.03	0.92	-0.18	-0.70	99.70	98.89	97.79
	50N	775.3	1506		78.7	96.78	-0.40	0.04	0.91	-0.18	-0.71	99.69	98.88	97.79
	60N	774.4	1509		78.6	97.41	-1.03	0.05	0.95	-0.15	-0.68	99.74	98.92	97.82
	70N	772.8	1512		78.4	98.47	-2.09	0.06	0.98	-0.13	-0.67	99.78	98.95	97.84
	80N	770.7	1515		78.2	99.40	-3.02	0.06	0.98	-0.14	-0.68	99.79	98.95	97.83
	90N	769.4	1518		78.1	100.19	-3.81	0.07	1.06	-0.08	-0.62	99.86	99.03	97.89
	100N	768.0	1521		77.9	100.74	-4.36	0.08	0.98	-0.16	-0.71	99.71	98.95	97.81
	120N	766.3	1524		77.8	101.50	-5.12	0.10	1.05	-0.09	-0.65	99.87	99.02	97.88
	140N	765.5	1527		77.7	102.09	-5.71	0.11	1.09	-0.06	-0.62	99.92	99.06	97.91
	160N	767.6	1531		77.9	101.08	-4.70	0.13	1.10	-0.04	-0.59	99.91	99.07	97.93
	180N	770.1	1534		78.1	100.05	-3.67	0.15	1.10	-0.03	-0.58	99.91	99.04	97.94
	200N	774.3	1539		78.6	98.19	-1.81	0.16	1.23	0.12	-0.41	100.02	99.20	98.09
	220N	779.6	1553		79.1	94.84	1.54	0.18	1.05	-0.02	-0.54	99.81	99.02	97.95
	240N	780.0	1558		79.1	94.78	1.60	0.19	1.05	-0.02	-0.54	99.82	99.02	97.95
	260N	779.8	1608		79.1	95.30	1.08	0.21	1.18	0.10	-0.42	99.94	99.15	98.07
	280N	778.2	1612		78.9	95.89	0.49	0.23	1.12	0.03	-0.49	99.89	99.09	98.08
	300N	776.4	1619		78.7	96.57	-0.19	0.24	1.07	-0.02	-0.50	99.85	99.04	97.95
	320N	772.3	1626		78.3	98.77	-2.39	0.26	1.15	0.03	-0.57	99.90	99.11	98.07

8

GRAVITY DATA SHEET

BASE STAT 110

DATE

INSTRUMENT SODIN

REF. LEVEL BOOK -  
ALT SHEETS -

P<sub>1</sub>=24 P<sub>2</sub>=26 P<sub>3</sub>=28

CORR BASE  
(mgals)

AREA TASMANIA

METER CONST. 09967

OPERATOR P. ELLIS

C<sub>1</sub> C<sub>2</sub> C<sub>3</sub>

STAND. CORR  
(mgals)

LINE	STAT	RDG	TIME	TIDAL	CORR RDG	ELEV	ELEV	LAT CORR	BOUGUER GRAVITY			C <sub>n</sub> = 0.3086 - 0.04185 · P <sub>n</sub>		
		[DIV]		Mgals	[Mgal]	[Meters]	DIFF (m)	[Mgal]	P <sub>1</sub>	P <sub>2</sub>	P <sub>3</sub>	2.2	REMARKS	
3	340N	766.2	1629		77.7	101.99	-5.61	0.28	1.23	0.08	-0.47	100.06	99.20	98.05
	360N	759.8	1657		77.0	105.19	-8.81	0.29	1.22	0.03	-0.55	100.07	99.19	98.00
	380N	757.8	1653		76.8	106.20	-9.82	0.31	1.24	0.04	-0.54	100.10	99.21	98.01
	400N	754.4	1656		76.5	107.80	-11.42	0.32	1.29	0.07	-0.51	100.16	99.26	98.04
	420N	752.8	1700		76.3	108.09	-11.71	0.34	1.17	-0.05	-0.64	100.03	99.12	97.90
	440N	752.8	1703		76.3	107.80	-11.42	0.36	1.12	-0.09	-0.68	100.00	99.09	97.88
	460N	751.2	1706		76.2	108.69	-12.51	0.37	1.23	0.00	-0.59	100.11	99.20	97.97
	480N	751.2	1710		76.2	108.93	-12.55	0.39	1.29	0.06	-0.53	100.17	99.26	98.03
	500N	749.2	1713		76.0	109.83	-13.65	0.41	1.30	0.05	-0.58	100.18	99.27	98.02

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*Close station*

✓ 8251.0001	598050.0	432645.0	23.52	980.282928	980.292060	0.21	-4.30**	CSR01	0.000	1
8251.0136	598050.0	432645.0	23.52	980.282808	980.292060	0.21	-4.42**	CSR01	0.000	2
8251.0002	598050.0	432635.0	23.77	980.282659	980.292068	0.21	-4.52**	CSR01	0.000	3
✓ 8251.0187	598050.0	432635.0	23.77	980.282619	980.292068	0.21	-4.56**	CSR01	0.000	4
✓ 8251.0068	597998.0	432655.0	23.53	980.282978	980.292052	0.20	-4.25**	CSR01	0.000	5
8251.0184	597998.0	432655.0	23.53	980.282808	980.292052	0.20	-4.42**	CSR01	0.000	6
✓ 8251.0070	597998.0	433015.0	25.15	980.281434	980.291762	0.20	-5.18**	CSR01	0.000	7
8251.0183	597998.0	433015.0	25.15	980.281713	980.291762	0.20	-4.90**	CSR01	0.000	8
✓ 8251.0130	597998.0	432175.0	26.52	980.280786	980.292439	0.29	-6.15**	CSR01	0.000	9
8251.0188	597998.0	432175.0	26.52	980.280776	980.292439	0.29	-6.16**	CSR01	0.000	10
✓ 8251.0131	597998.0	432165.0	26.75	980.280707	980.292447	0.30	-6.18**	CSR01	0.000	11
8251.0189	597998.0	432165.0	26.75	980.280647	980.292447	0.30	-6.24**	CSR01	0.000	12

REL. NO. 1712118

REL. NO. 1712118

BASE	SNUM	TIME	OBS	SHIFT
1	0	8.59	792.3	-193.9
2	0	10.01	791.4	-193.9
3	0	10.54	790.0	-193.9
4	0	11.58	788.3	-193.9
5	0	12.42	785.8	-193.9
6	0	13.41	784.6	-193.9
7	0	14.07	784.1	-193.9
8	0	15.04	782.6	-193.9
9	0	16.16	779.4	-193.9
10	0	17.24	777.5	-193.9
11	0	17.42	780.7	-193.9
12	0	18.48	777.2	-193.9
13	0	19.27	776.9	-193.9

BASE	SNUM	DIFF	TIME	OBS
1	1	-194.4	9.18	791.6
1	2	-197.1	9.25	788.0
1	3	-198.1	9.30	787.7
1	4	-199.1	9.39	786.5
1	5	-199.4	9.44	786.2
1	6	-200.7	9.49	784.8
1	7	-202.2	9.59	783.1
2	8	-201.7	10.07	783.4
2	9	-202.5	10.11	782.5
2	10	-201.6	10.15	783.3
2	11	-199.1	10.19	785.7
2	12	-197.1	10.27	787.5
2	13	-198.3	10.32	786.2
2	14	-198.6	10.37	785.7
2	15	-196.0	10.42	788.2
2	16	-192.9	10.46	791.2
3	17	-194.6	11.01	789.1
3	18	-198.4	11.06	785.2
3	19	-199.3	11.12	784.1
3	20	-200.0	11.16	783.3
3	21	-201.7	11.20	781.5
3	22	-203.8	11.24	779.3
3	23	-205.6	11.30	777.3
3	24	-207.1	11.44	775.5
3	25	-208.8	11.49	773.6
4	26	-210.4	12.12	771.0
4	27	-213.2	12.17	767.9
4	28	-212.2	12.25	768.5
4	29	-211.8	12.28	768.7
4	30	-213.3	12.32	767.0
5	31	-191.2	12.47	788.4
5	32	-190.7	12.50	788.3
5	33	-190.5	12.53	789.0
5	34	-191.0	12.58	788.4
5	35	-193.2	13.00	786.1
5	36	-194.3	13.07	784.9
5	37	-193.5	13.09	785.7
5	38	-190.6	13.13	788.5
5	39	-189.2	13.25	789.6
5	40	-189.4	13.34	789.2
7	41	-190.4	14.28	787.0
7	42	-195.2	14.34	782.1
7	43	-200.3	14.38	776.9

844 No. 11102843

844 No. 11102843

1	7	44	-202.6	14.41	774.5
2	7	45	-206.2	14.54	770.6
3	8	46	-211.0	15.13	765.1
4	8	47	-213.4	15.17	762.5
5	8	48	-213.6	15.20	762.2
6	8	49	-214.1	15.24	761.5
7	8	50	-214.5	15.27	761.0
8	8	51	-210.4	15.31	764.9
9	8	52	-208.8	15.36	766.3
10	8	53	-209.3	15.41	765.6
11	8	54	-211.0	15.44	762.9
12	8	55	-212.2	15.49	762.3
13	8	56	-208.7	15.53	765.6
14	8	57	-212.4	15.56	761.8
15	8	58	-215.3	15.59	758.8
16	8	59	-218.8	16.03	755.1
17	8	60	-222.0	16.06	751.7
18	9	61	-225.0	16.35	747.8
19	9	62	-222.6	16.38	750.1
20	9	63	-221.0	16.41	751.6
21	9	64	-217.4	16.44	755.1
22	9	65	-213.6	16.52	758.7
23	9	66	-209.1	16.57	763.1
24	9	67	-204.2	17.08	767.6
25	10	68	-193.9	17.31	778.7
26	10	69	-196.7	17.39	777.4
27	11	70	-209.4	18.04	764.0
28	11	71	-208.1	18.08	765.1
29	11	72	-209.7	18.12	763.3
30	11	73	-209.7	18.20	762.9
31	11	74	-209.5	18.22	763.0
32	11	75	-208.4	18.26	763.9
33	11	76	-209.2	18.29	762.9
34	11	77	-204.9	18.31	767.1
35	11	78	-198.8	18.35	773.0
36	11	79	-193.6	18.39	778.0
37	11	80	-193.6	18.41	777.9
38	12	81	-193.7	18.53	777.4
39	12	82	-197.6	18.56	773.4
40	12	83	-200.6	18.59	770.4
41	12	84	-200.7	19.02	770.3
42	12	85	-200.3	19.04	770.7
43	12	86	-199.3	19.08	771.6
44	12	87	-197.1	19.12	773.8
45	12	88	-195.9	19.14	775.0
46	12	89	-193.7	19.16	777.2
47	12	90	-194.7	19.19	776.2
48	12	91	-194.3	19.22	776.5

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BASE	SNUM	TIME	OBS	SHIFT
1	0	16.41	779.3	-193.9
2	0	17.42	779.5	-193.9
3	0	17.56	779.1	-193.9

BASE	SNUM	DIFF	TIME	OBS
1	183	-206.6	17.22	766.7
1	184	-195.6	17.33	777.8
1	185	-194.8	17.38	778.6
2	186	-195.6	17.46	777.7
2	187	-197.5	17.49	775.7

REF. DIS. MISSISSIPPI

MISSISSIPPI

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BASE	SNUM	TIME	OBS	SHIFT
1	0	8.32	778.1	-193.9
2	0	9.41	779.0	-193.9
3	0	10.41	778.4	-193.9
4	0	11.50	778.6	-193.9
5	0	12.43	778.6	-193.9
6	0	13.44	778.2	-193.9
7	0	14.42	779.2	-193.9
8	0	15.45	778.5	-193.9
9	0	16.41	779.3	-193.9
10	0	17.42	779.5	-193.9

BASE	SNUM	DIFF	TIME	OBS
1	92	-197.8	8.43	774.3
1	93	-201.2	8.47	771.0
1	93	-201.1	8.47	771.1
1	94	-203.2	8.52	769.1
1	95	-205.3	8.57	767.0
1	96	-206.2	9.02	766.2
1	97	-206.4	9.07	766.1
1	98	-205.6	9.12	766.9
1	99	-204.6	9.16	768.0
1	700	-203.8	9.20	768.8
1	101	-203.1	9.26	769.6
1	102	-202.8	9.35	770.0
2	103	-204.1	9.48	768.7
2	104	-209.4	9.52	763.4
2	105	-211.4	9.57	761.3
2	106	-210.0	10.01	762.7
2	107	-203.9	10.07	768.7
2	108	-200.3	10.15	772.3
2	109	-201.3	10.18	771.2
2	110	-203.3	10.21	769.2
2	111	-202.4	10.26	770.0
2	112	-202.8	10.30	769.6
3	113	-203.4	10.51	768.9
3	114	-203.5	10.56	768.8
3	115	-205.9	10.59	766.5
3	116	-209.1	11.06	763.3
3	117	-213.0	11.13	759.4
3	118	-214.8	11.15	757.6
3	119	-213.1	11.21	759.3
3	120	-215.9	11.30	756.5
3	121	-216.7	11.37	755.8
4	122	-227.3	12.09	745.2
4	123	-222.5	12.01	750.0
4	123	-222.5	12.13	750.0
4	124	-220.3	12.16	752.2
4	125	-222.2	12.19	750.3
4	126	-221.8	12.21	750.7
4	127	-216.9	12.25	755.6
4	128	-211.7	12.30	760.8
4	129	-210.6	12.35	761.9
5	130	-211.2	13.09	761.1
5	131	-211.8	13.13	760.5
5	132	-206.4	13.17	759.9
5	132	-212.9	13.17	759.4
5	133	-214.4	13.20	757.9
5	134	-212.4	13.23	759.8
5	135	-209.2	13.26	763.0

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Ref. No. 1113185

W.A. WIGHT FURNISH COMPANY

1	5	136	-209.2	13.30	763.0	1
2	5	137	-210.1	13.33	762.1	2
3	5	138	-211.1	13.36	761.1	3
4	6	139	-214.4	13.49	757.8	4
5	6	140	-213.3	13.55	759.0	5
6	6	141	-214.8	13.57	757.5	6
7	6	142	-213.2	14.01	759.2	7
8	6	143	-211.7	14.05	760.0	8
9	6	144	-210.5	14.09	762.0	9
10	6	145	-207.8	14.12	764.8	10
11	6	146	-206.9	14.15	765.7	11
12	6	147	-206.2	14.19	766.5	12
13	6	148	-205.4	14.22	767.4	13
14	6	149	-203.6	14.25	769.2	14
15	6	150	-201.8	14.29	771.1	15
16	6	151	-200.3	14.33	772.6	16
17	6	152	-199.1	14.37	773.9	17
18	7	153	-198.3	14.48	774.7	18
19	7	154	-198.6	14.51	774.4	19
20	7	155	-198.2	14.55	774.8	20
21	7	156	-197.7	15.00	775.2	21
22	7	157	-197.5	15.06	775.3	22
23	7	158	-198.4	15.09	774.4	23
24	7	159	-200.0	15.12	772.8	24
25	7	160	-202.0	15.15	770.7	25
26	7	161	-203.3	15.18	769.4	26
27	7	162	-204.7	15.21	768.0	27
28	7	163	-206.3	15.24	766.3	28
29	7	164	-207.1	15.27	765.5	29
30	7	165	-205.0	15.31	767.6	30
31	7	166	-202.4	15.34	770.1	31
32	7	167	-198.2	15.39	774.3	32
33	8	168	-192.9	15.53	779.6	33
34	8	169	-192.6	15.58	780.0	34
35	8	170	-192.9	16.03	779.8	35
36	8	171	-194.6	16.12	778.2	36
37	8	172	-196.5	16.19	776.4	37
38	8	173	-200.7	16.26	772.3	38
39	8	174	-206.8	16.29	766.2	39
40	9	175	-213.4	16.51	759.8	40
41	9	176	-215.4	16.53	757.8	41
42	9	177	-218.8	16.56	754.4	42
43	9	178	-220.5	17.00	752.8	43
44	9	179	-220.5	17.03	752.8	44
45	9	180	-222.1	17.06	751.2	45
46	9	181	-222.1	17.10	751.2	46
47	9	182	-224.1	17.13	749.2	47
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ST NUMBER	EAST	NORTH	HEIGHT	OBS GRAV	THEO GRAV	CORN	BA	COMMENT
8251.0165	597948.	432815.	81.08	980.28187	980.29192	0.18	6.08	**CSRV01**
8251.0166	597948.	432835.	80.85	980.28213	980.29191	0.18	6.31	**CSRV01**
8251.0167	597948.	432855.	78.19	980.28255	980.29189	0.19	6.23	**CSRV01**
8251.0168	597948.	432875.	74.84	980.28308	980.29188	0.21	6.13	**CSRV01**
8251.0169	597948.	432895.	74.78	980.28311	980.29186	0.20	6.16	**CSRV01**
8251.0170	597948.	432915.	75.30	980.28308	980.29184	0.19	6.23	**CSRV01**
8251.0171	597948.	432935.	75.89	980.28291	980.29183	0.19	6.20	**CSRV01**
8251.0172	597948.	432955.	76.57	980.28272	980.29181	0.19	6.16	**CSRV01**
8251.0173	597948.	432975.	78.77	980.28230	980.29179	0.19	6.19	**CSRV01**
8251.0174	597948.	432993.	81.99	980.28169	980.29178	0.19	6.23	**CSRV01**
8251.0175	597948.	433013.	85.19	980.28104	980.29176	0.23	6.26	**CSRV01**
8251.0176	597948.	433033.	86.20	980.28084	980.29175	0.21	6.25	**CSRV01**
8251.0177	597948.	433053.	87.80	980.28050	980.29173	0.19	6.22	**CSRV01**
8251.0178	597948.	433073.	88.09	980.28033	980.29172	0.18	6.12	**CSRV01**
8251.0179	597948.	433093.	87.80	980.28033	980.29170	0.17	6.07	**CSRV01**
8251.0180	597948.	433113.	88.69	980.28017	980.29168	0.17	6.10	**CSRV01**
8251.0181	597948.	433133.	88.93	980.28017	980.29167	0.17	6.16	**CSRV01**
8251.0182	597948.	433153.	89.83	980.27997	980.29165	0.17	6.16	**CSRV01**
8251.0183	597998.	433015.	82.51	980.28171	980.29176	0.20	6.38	**CSRV01**
8251.0184	597998.	432655.	77.21	980.28281	980.29205	0.20	6.14	**CSRV01**
8251.0185	597998.	432665.	76.83	980.28289	980.29204	0.20	6.16	**CSRV01**
8251.0186	598050.	432645.	77.15	980.28281	980.29206	0.21	6.13	**CSRV01**
8251.0187	598050.	432635.	77.99	980.28262	980.29207	0.21	6.10	**CSRV01**
8251.0188	597998.	432175.	87.02	980.28078	980.29244	0.29	5.74	**CSRV01**
8251.0189	597998.	432155.	87.76	980.28065	980.29246	0.30	5.75	**CSRV01**
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ST NUMBER	EAST	NORTH	HEIGHT	OBS GRAY	THEO GRAY	CORRN	BA	COMMENT
8251.0110	597998.	432375.	80.99	980.28204	980.29228	0.18	5.87	**CSRV01**
8251.0111	597998.	432355.	80.85	980.28213	980.29229	0.19	5.93	**CSRV01**
8251.0112	597998.	432335.	81.15	980.28209	980.29231	0.20	5.94	**CSRV01**
8251.0113	597998.	432315.	81.36	980.28203	980.29233	0.21	5.92	**CSRV01**
8251.0114	597998.	432295.	81.26	980.28202	980.29234	0.22	5.88	**CSRV01**
8251.0115	597998.	432275.	82.56	980.28178	980.29236	0.23	5.89	**CSRV01**
8251.0116	597998.	432255.	83.80	980.28146	980.29237	0.25	5.82	**CSRV01**
8251.0117	597998.	432235.	85.61	980.28106	980.29239	0.27	5.79	**CSRV01**
8251.0118	597998.	432215.	86.71	980.28090	980.29241	0.28	5.82	**CSRV01**
8251.0119	597998.	432195.	85.73	980.28107	980.29242	0.29	5.79	**CSRV01**
8251.0120	597998.	432175.	87.02	980.28079	980.29244	0.29	5.75	**CSRV01**
8251.0121	597998.	432155.	87.76	980.28071	980.29246	0.30	5.81	**CSRV01**
8251.0122	597948.	432155.	91.28	980.27965	980.29246	0.32	5.47	**CSRV01**
8251.0123	597948.	432175.	88.82	980.28013	980.29244	0.31	5.47	**CSRV01**
8251.0124	597948.	432195.	87.66	980.28035	980.29242	0.30	5.47	**CSRV01**
8251.0125	597948.	432215.	88.45	980.28016	980.29241	0.30	5.45	**CSRV01**
8251.0126	597948.	432235.	88.44	980.28020	980.29239	0.29	5.49	**CSRV01**
8251.0127	597948.	432255.	86.15	980.28069	980.29237	0.26	5.52	**CSRV01**
8251.0128	597948.	432275.	83.55	980.28120	980.29236	0.24	5.52	**CSRV01**
8251.0129	597948.	432295.	83.19	980.28131	980.29234	0.23	5.56	**CSRV01**
8251.0130	597948.	432315.	83.40	980.28125	980.29233	0.22	5.55	**CSRV01**
8251.0131	597948.	432335.	83.57	980.28119	980.29231	0.21	5.53	**CSRV01**
8251.0132	597948.	432355.	84.47	980.28109	980.29229	0.21	5.62	**CSRV01**
8251.0133	597948.	432375.	84.91	980.28094	980.29228	0.20	5.56	**CSRV01**
8251.0134	597948.	432395.	84.05	980.28113	980.29226	0.19	5.59	**CSRV01**
8251.0135	597948.	432415.	82.72	980.28145	980.29225	0.17	5.65	**CSRV01**
8251.0136	597948.	432435.	82.07	980.28145	980.29223	0.17	5.54	**CSRV01**
8251.0137	597948.	432455.	82.65	980.28136	980.29221	0.17	5.58	**CSRV01**
8251.0138	597948.	432475.	83.43	980.28126	980.29220	0.18	5.66	**CSRV01**
8251.0139	597948.	432495.	83.79	980.28094	980.29218	0.18	5.41	**CSRV01**
8251.0140	597948.	432515.	84.37	980.28105	980.29217	0.18	5.65	**CSRV01**
8251.0141	597948.	432535.	84.70	980.28090	980.29215	0.18	5.59	**CSRV01**
8251.0142	597948.	432555.	84.11	980.28106	980.29213	0.18	5.65	**CSRV01**
8251.0143	597948.	432565.	83.52	980.28120	980.29213	0.18	5.69	**CSRV01**
8251.0144	597948.	432575.	82.94	980.28132	980.29212	0.17	5.69	**CSRV01**
8251.0145	597948.	432585.	82.21	980.28159	980.29211	0.17	5.82	**CSRV01**
8251.0146	597948.	432595.	81.69	980.28168	980.29210	0.17	5.82	**CSRV01**
8251.0147	597948.	432605.	81.24	980.28175	980.29209	0.17	5.81	**CSRV01**
8251.0148	597948.	432615.	80.78	980.28183	980.29208	0.17	5.81	**CSRV01**
8251.0149	597948.	432625.	79.91	980.28201	980.29208	0.17	5.82	**CSRV01**
8251.0150	597948.	432635.	78.91	980.28219	980.29207	0.17	5.81	**CSRV01**
8251.0151	597948.	432645.	78.10	980.28234	980.29206	0.18	5.82	**CSRV01**
8251.0152	597948.	432655.	77.31	980.28246	980.29205	0.17	5.78	**CSRV01**
8251.0153	597948.	432665.	77.08	980.28254	980.29204	0.17	5.83	**CSRV01**
8251.0154	597948.	432675.	77.16	980.28251	980.29204	0.17	5.82	**CSRV01**
8251.0155	597948.	432685.	77.21	980.28255	980.29203	0.17	5.88	**CSRV01**
8251.0156	597948.	432695.	76.84	980.28260	980.29202	0.17	5.86	**CSRV01**
8251.0157	597948.	432705.	76.78	980.28262	980.29201	0.17	5.88	**CSRV01**
8251.0158	597948.	432715.	77.41	980.28253	980.29200	0.17	5.92	**CSRV01**
8251.0159	597948.	432725.	78.47	980.28237	980.29200	0.18	5.99	**CSRV01**
8251.0160	597948.	432735.	79.40	980.28217	980.29199	0.18	5.98	**CSRV01**
8251.0161	597948.	432745.	80.19	980.28204	980.29198	0.19	6.02	**CSRV01**
8251.0162	597948.	432755.	80.74	980.28190	980.29197	0.19	6.00	**CSRV01**
8251.0163	597948.	432775.	81.50	980.28174	980.29196	0.19	6.01	**CSRV01**
8251.0164	597948.	432795.	82.09	980.28166	980.29194	0.19	6.06	**CSRV01**

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ST NUMBER	EAST	NORTH	HEIGHT	OBS GRAY	THEO GRAY	CORRN	BA	COMMENT
8251.0055	598034	433062	86.95	980.28115	980.29172	0.21	6.74	**CSRV01**
8251.0056	598033	433082	85.76	980.28150	980.29171	0.22	6.88	**CSRV01**
8251.0057	598032	433102	89.12	980.28113	980.29169	0.22	7.19	**CSRV01**
8251.0058	598031	433122	88.82	980.28035	980.29168	0.20	6.84	**CSRV01**
8251.0059	598030	433142	90.43	980.28050	980.29166	0.19	6.81	**CSRV01**
8251.0060	598030	433161	91.62	980.28018	980.29164	0.19	6.75	**CSRV01**
8251.0061	597998	433154	91.64	980.27988	980.29165	0.17	6.42	**CSRV01**
8251.0062	597998	433135	90.40	980.28012	980.29167	0.18	6.41	**CSRV01**
8251.0063	597998	433115	89.46	980.28029	980.29168	0.17	6.36	**CSRV01**
8251.0064	597998	433095	88.14	980.28064	980.29170	0.19	6.47	**CSRV01**
8251.0065	597998	433075	86.68	980.28102	980.29171	0.19	6.54	**CSRV01**
8251.0066	597998	433055	84.45	980.28146	980.29173	0.19	6.53	**CSRV01**
8251.0067	597998	433035	82.82	980.28195	980.29175	0.18	6.68	**CSRV01**
8251.0068	597998	432655	77.21	980.28298	980.29205	0.20	6.31	**CSRV01**
8251.0069	597998	432765	76.83	980.28270	980.29196	0.20	6.05	**CSRV01**
8251.0070	597998	433015	82.51	980.28143	980.29176	0.20	6.10	**CSRV01**
8251.0071	597998	432995	82.40	980.28156	980.29178	0.19	6.18	**CSRV01**
8251.0072	597998	432975	82.72	980.28140	980.29179	0.18	6.06	**CSRV01**
8251.0073	597998	432955	82.92	980.28140	980.29181	0.17	6.07	**CSRV01**
8251.0074	597998	432935	83.20	980.28142	980.29183	0.17	6.13	**CSRV01**
8251.0075	597998	432915	82.55	980.28153	980.29184	0.17	6.10	**CSRV01**
8251.0076	597998	432895	83.64	980.28145	980.29186	0.18	6.23	**CSRV01**
8251.0077	597998	432875	80.13	980.28188	980.29187	0.19	5.96	**CSRV01**
8251.0078	597998	432855	77.93	980.28249	980.29189	0.19	6.12	**CSRV01**
8251.0079	597998	432835	75.98	980.28301	980.29191	0.17	6.21	**CSRV01**
8251.0080	597998	432823	75.68	980.28301	980.29192	0.18	6.16	**CSRV01**
8251.0081	597998	432795	75.70	980.28300	980.29194	0.19	6.14	**CSRV01**
8251.0082	597998	432775	77.90	980.28261	980.29196	0.19	6.17	**CSRV01**
8251.0083	597998	432755	79.55	980.28231	980.29197	0.18	6.17	**CSRV01**
8251.0084	597998	432745	79.62	980.28230	980.29198	0.18	6.16	**CSRV01**
8251.0085	597998	432735	79.24	980.28234	980.29199	0.18	6.12	**CSRV01**
8251.0086	597998	432725	78.66	980.28244	980.29200	0.19	6.11	**CSRV01**
8251.0087	597998	432715	77.95	980.28266	980.29200	0.19	6.18	**CSRV01**
8251.0088	597998	432705	77.21	980.28278	980.29201	0.19	6.14	**CSRV01**
8251.0089	597998	432695	76.46	980.28300	980.29202	0.19	6.21	**CSRV01**
8251.0090	597998	432685	76.28	980.28290	980.29203	0.19	6.06	**CSRV01**
8251.0091	597998	432675	76.71	980.28294	980.29204	0.19	6.18	**CSRV01**
8251.0092	597998	432645	78.22	980.28259	980.29206	0.20	6.11	**CSRV01**
8251.0093	597998	432635	79.54	980.28226	980.29207	0.19	6.03	**CSRV01**
8251.0094	597998	432625	80.46	980.28205	980.29208	0.18	5.98	**CSRV01**
8251.0095	597998	432615	81.37	980.28184	980.29208	0.18	5.94	**CSRV01**
8251.0096	597998	432605	81.88	980.28175	980.29209	0.19	5.95	**CSRV01**
8251.0097	597998	432595	81.87	980.28173	980.29210	0.19	5.93	**CSRV01**
8251.0098	597998	432585	80.60	980.28181	980.29211	0.19	5.75	**CSRV01**
8251.0099	597998	432575	81.24	980.28191	980.29212	0.18	5.95	**CSRV01**
8251.0100	597998	432565	80.98	980.28199	980.29212	0.18	5.97	**CSRV01**
8251.0101	597998	432555	80.71	980.28206	980.29213	0.18	5.98	**CSRV01**
8251.0102	597998	432535	80.75	980.28209	980.29215	0.18	6.00	**CSRV01**
8251.0103	597998	432515	81.88	980.28196	980.29217	0.18	6.08	**CSRV01**
8251.0104	597998	432495	83.74	980.28143	980.29218	0.18	5.90	**CSRV01**
8251.0105	597998	432475	84.62	980.28123	980.29220	0.19	5.87	**CSRV01**
8251.0106	597998	432455	83.93	980.28137	980.29221	0.18	5.85	**CSRV01**
8251.0107	597998	432435	81.00	980.28198	980.29223	0.18	5.86	**CSRV01**
8251.0108	597998	432415	79.17	980.28234	980.29225	0.17	5.84	**CSRV01**
8251.0109	597998	432395	80.15	980.28224	980.29226	0.17	5.91	**CSRV01**

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ST NUMBER	EAST	NORTH	HEIGHT	OBS GRV	THEO GRV	CORRN	BA	COMMENT
8251.0000	598050	432655	76.38	980.28298	980.29205	0.21	6.16	**CSR01**
8251.0001	598050	432645	77.15	980.28293	980.29206	0.21	6.25	**CSR01**
8251.0002	598050	432635	77.99	980.28266	980.29207	0.21	6.14	**CSR01**
8251.0003	598050	432625	78.52	980.28256	980.29208	0.20	6.13	**CSR01**
8251.0004	598050	432615	78.92	980.28246	980.29208	0.20	6.10	**CSR01**
8251.0005	598050	432605	79.27	980.28243	980.29209	0.20	6.13	**CSR01**
8251.0006	598050	432595	79.74	980.28230	980.29210	0.20	6.08	**CSR01**
8251.0007	598050	432585	80.00	980.28215	980.29211	0.20	5.98	**CSR01**
8251.0008	598050	432575	80.09	980.28220	980.29212	0.19	6.03	**CSR01**
8251.0009	598050	432565	80.15	980.28212	980.29212	0.19	5.95	**CSR01**
8251.0010	598049	432555	80.12	980.28221	980.29213	0.21	6.05	**CSR01**
8251.0011	598049	432535	78.98	980.28246	980.29215	0.22	6.07	**CSR01**
8251.0012	598049	432515	77.64	980.28266	980.29216	0.21	5.98	**CSR01**
8251.0013	598048	432495	78.62	980.28254	980.29218	0.20	6.02	**CSR01**
8251.0014	598048	432475	79.07	980.28251	980.29220	0.22	6.09	**CSR01**
8251.0015	598048	432455	77.85	980.28277	980.29221	0.21	6.08	**CSR01**
8251.0016	598048	432435	76.18	980.28308	980.29223	0.20	6.03	**CSR01**
8251.0017	598048	432415	77.07	980.28291	980.29225	0.18	6.00	**CSR01**
8251.0018	598048	432395	79.45	980.28253	980.29226	0.19	6.09	**CSR01**
8251.0019	598048	432375	79.89	980.28244	980.29228	0.19	6.07	**CSR01**
8251.0020	598048	432355	80.21	980.28237	980.29229	0.20	6.05	**CSR01**
8251.0021	598048	432335	80.84	980.28220	980.29231	0.21	6.00	**CSR01**
8251.0022	598048	432315	81.81	980.28199	980.29233	0.22	5.98	**CSR01**
8251.0023	598048	432295	82.66	980.28181	980.29234	0.23	5.96	**CSR01**
8251.0024	598048	432275	83.71	980.28166	980.29236	0.24	6.01	**CSR01**
8251.0025	598048	432255	84.03	980.28154	980.29237	0.24	5.94	**CSR01**
8251.0026	598048	432235	84.68	980.28133	980.29239	0.25	5.85	**CSR01**
8251.0027	598048	432215	86.54	980.28106	980.29241	0.26	5.93	**CSR01**
8251.0028	598048	432195	86.15	980.28115	980.29242	0.26	5.94	**CSR01**
8251.0029	598048	432175	85.86	980.28119	980.29244	0.27	5.91	**CSR01**
8251.0030	598048	432155	86.37	980.28105	980.29245	0.27	5.85	**CSR01**
8251.0031	598051	432665	75.45	980.28325	980.29204	0.21	6.25	**CSR01**
8251.0032	598051	432675	74.92	980.28330	980.29204	0.21	6.21	**CSR01**
8251.0033	598051	432685	75.16	980.28332	980.29203	0.21	6.28	**CSR01**
8251.0034	598051	432695	75.72	980.28327	980.29202	0.21	6.35	**CSR01**
8251.0035	598051	432705	76.57	980.28305	980.29201	0.20	6.30	**CSR01**
8251.0036	598051	432715	76.65	980.28294	980.29200	0.20	6.21	**CSR01**
8251.0037	598050	432725	76.37	980.28303	980.29200	0.21	6.26	**CSR01**
8251.0038	598050	432735	75.42	980.28331	980.29199	0.21	6.36	**CSR01**
8251.0039	598050	432745	74.80	980.28345	980.29198	0.21	6.39	**CSR01**
8251.0040	598050	432758	74.92	980.28343	980.29197	0.21	6.40	**CSR01**
8251.0041	598050	432778	74.25	980.28333	980.29195	0.22	6.20	**CSR01**
8251.0042	598045	432803	77.04	980.28285	980.29193	0.23	6.30	**CSR01**
8251.0043	598044	432822	80.12	980.28234	980.29192	0.22	6.40	**CSR01**
8251.0044	598043	432842	81.11	980.28211	980.29190	0.22	6.38	**CSR01**
8251.0045	598043	432862	83.15	980.28175	980.29188	0.21	6.43	**CSR01**
8251.0046	598042	432881	85.80	980.28127	980.29187	0.21	6.49	**CSR01**
8251.0047	598040	432902	86.40	980.28104	980.29185	0.12	6.30	**CSR01**
8251.0048	598040	432922	87.29	980.28102	980.29184	0.20	6.55	**CSR01**
8251.0049	598040	432940	87.08	980.28097	980.29182	0.20	6.47	**CSR01**
8251.0050	598038	432962	87.07	980.28093	980.29180	0.21	6.46	**CSR01**
8251.0051	598037	432982	85.59	980.28133	980.29179	0.21	6.59	**CSR01**
8251.0052	598036	433002	85.17	980.28159	980.29177	0.20	6.77	**CSR01**
8251.0053	598035	433022	85.63	980.28144	980.29176	0.20	6.73	**CSR01**
8251.0054	598035	433041	87.15	980.28119	980.29174	0.21	6.81	**CSR01**

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LINE	XMIN	597.940	XMAX	598.064	YMIN	432.150	YMAX	433.174	SPACING	0.020
1	TITLE	C. S. R.	B. A. &							
2	LINE	1 AT	432.150	KM N.						
3		5.47	5.60		5.69	5.81	5.80	5.94	5.85	
4	LINE	2 AT	432.170	KM N.						
5		5.47	5.56		5.73	5.75	5.79	5.86	5.88	
6	LINE	3 AT	432.189	KM N.						
7		5.47	5.53		5.69	5.79	5.82	5.89	5.90	
8	LINE	4 AT	432.209	KM N.						
9		5.45	5.54		5.70	5.82	5.85	5.90	5.91	
10	LINE	5 AT	432.229	KM N.						
11		5.49	5.85		5.71	5.79	5.85	5.88	5.91	
12	LINE	6 AT	432.249	KM N.						
13		5.51	5.56		5.73	5.82	5.87	5.90	5.93	
14	LINE	7 AT	432.269	KM N.						
15		5.52	5.59		5.76	5.89	5.91	5.94	5.96	
16	LINE	8 AT	432.288	KM N.						
17		5.54	5.61		5.78	5.88	5.93	5.96	5.97	
18	LINE	9 AT	432.308	KM N.						
19		5.55	5.62		5.81	5.92	5.93	5.97	5.98	
20	LINE	10 AT	432.328	KM N.						
21		5.55	5.63		5.81	5.94	5.94	5.98	6.00	
22	LINE	11 AT	432.348	KM N.						
23		5.57	5.65		5.82	5.93	5.95	6.01	6.03	
24	LINE	12 AT	432.367	KM N.						
25		5.58	5.65		5.82	5.87	5.96	6.03	6.05	
26	LINE	13 AT	432.387	KM N.						
27		5.59	5.66		5.80	5.91	5.95	6.03	6.06	
28	LINE	14 AT	432.407	KM N.						
29		5.60	5.66		5.80	5.84	5.93	6.01	6.05	
30	LINE	15 AT	432.427	KM N.						
31		5.59	5.64		5.78	5.86	5.91	6.00	6.04	
32	LINE	16 AT	432.447	KM N.						
33		5.58	5.65		5.77	5.85	5.92	6.02	6.05	
34	LINE	17 AT	432.466	KM N.						
35		5.59	5.63		5.80	5.87	5.94	6.03	6.05	
36	LINE	18 AT	432.486	KM N.						
37		5.55	5.63		5.81	5.90	5.96	6.02	6.05	
38	LINE	19 AT	432.506	KM N.						
39		5.57	5.65		5.85	6.08	5.98	6.02	6.03	
40	LINE	20 AT	432.526	KM N.						
41		5.61	5.68		5.89	6.00	6.01	6.02	6.02	
42	LINE	21 AT	432.545	KM N.						
43		5.66	5.68		5.88	5.98	6.00	6.02	6.02	
44	LINE	22 AT	432.565	KM N.						
45		5.69	5.70		5.87	5.97	5.94	6.01	5.95	
46	LINE	23 AT	432.585	KM N.						
47		5.82	5.76		5.89	5.75	5.91	6.03	5.98	
48	LINE	24 AT	432.605	KM N.						
49		5.81	5.80		5.90	5.95	5.94	6.09	6.13	
50	LINE	25 AT	432.625	KM N.						
51		5.82	5.81		5.98	5.98	6.02	6.13	6.13	
52	LINE	26 AT	432.644	KM N.						
53		5.82	5.81		6.12	6.11	6.12	6.16	6.25	
54	LINE	27 AT	432.664	KM N.						
55		5.83	5.82		6.17	6.16	6.17	6.21	6.25	
56	LINE	28 AT	432.684	KM N.						
57		5.88	5.85		6.11	6.06	6.17	6.27	6.28	
58	LINE	29 AT	432.704	KM N.						
59		5.88	5.89		6.11	6.14	6.17	6.28	6.30	
60										

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MM

1			437 723 111 N							
2	LINE	31 AT	432.743 KM N.	5.99	5.95	6.12	6.11	6.16	6.30	6.26
3				6.02	5.99					
4	LINE	32 AT	432.763 KM N.	6.01	6.01	6.11	6.16	6.16	6.33	6.39
5				6.01	6.01					
6	LINE	33 AT	432.783 KM N.	6.03	6.05	6.12	6.05	6.18	6.33	6.40
7				6.03	6.05					
8	LINE	34 AT	432.802 KM N.	6.09	6.11	6.11	6.17	6.17	6.29	6.20
9				6.09	6.11					
10	LINE	35 AT	432.822 KM N.	6.15	6.17	6.14	6.14	6.23	6.30	6.33
11				6.15	6.17					
12	LINE	36 AT	432.842 KM N.	6.21	6.21	6.17	6.16	6.26	6.40	6.34
13				6.21	6.21					
14	LINE	37 AT	432.862 KM N.	6.21	6.21	6.17	6.21	6.27	6.38	6.38
15				6.20	6.17					
16	LINE	38 AT	432.882 KM N.	6.20	6.17	6.13	6.12	6.25	6.43	6.40
17				6.18	6.15					
18	LINE	39 AT	432.901 KM N.	6.18	6.15	6.11	5.96	6.25	6.49	6.39
19				6.18	6.15					
20	LINE	40 AT	432.921 KM N.	6.18	6.18	6.14	6.23	6.27	6.30	6.42
21				6.20	6.18					
22	LINE	41 AT	432.941 KM N.	6.20	6.18	6.15	6.10	6.30	6.55	6.43
23				6.20	6.17					
24	LINE	42 AT	432.961 KM N.	6.20	6.17	6.12	6.13	6.30	6.47	6.45
25				6.16	6.16					
26	LINE	43 AT	432.980 KM N.	6.16	6.16	6.12	6.07	6.30	6.46	6.50
27				6.19	6.19					
28	LINE	44 AT	433.000 KM N.	6.19	6.19	6.13	6.06	6.37	6.59	6.55
29				6.23	6.22					
30	LINE	45 AT	433.020 KM N.	6.23	6.22	6.20	6.18	6.47	6.77	6.63
31				6.23	6.24					
32	LINE	46 AT	433.040 KM N.	6.23	6.24	6.31	6.10	6.57	6.73	6.67
33				6.22	6.30					
34	LINE	47 AT	433.060 KM N.	6.22	6.30	6.40	6.68	6.64	6.81	6.77
35				6.18	6.25					
36	LINE	48 AT	433.079 KM N.	6.18	6.25	6.45	6.53	6.70	6.74	6.81
37				6.13	6.20					
38	LINE	49 AT	433.099 KM N.	6.13	6.20	6.38	6.54	6.74	6.88	6.86
39				6.11	6.17					
40	LINE	50 AT	433.119 KM N.	6.11	6.17	6.34	6.47	6.78	7.19	6.87
41				6.10	6.17					
42	LINE	51 AT	433.139 KM N.	6.10	6.17	6.33	6.36	6.72	6.84	6.85
43				6.16	6.22					
44	LINE	52 AT	433.158 KM N.	6.16	6.22	6.30	6.41	6.64	6.81	6.82
45				6.16	6.23					
46	MAX IS		7.190			6.37	6.42	6.64	6.75	6.75
47	MIN IS		5.450							

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APPENDIX VII

LA COSTE GRAVITY SURVEY, FORESTER CREEK AREA

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Forester Creek Gravity Survey 9/7/82

Gravity Meter : La Coste Romberg G473  
read by : Mitre Geophysics (J.R.B.)  
date : 9-12/7/82

Survey tied into St. Helens Airport BMR sta.

Date : 9/7/82

STN	TIME	READING	PL	mE	mN	Terrain Correction
BASE #1 <sup>440</sup>	13.55	3809.29	78.83	598010	432392	
"	.59	.31				
"	14.00	.31				
"	15.14	.36				
"	.16	.36				
"	16.37	.38				
"	.39	.39				
"	17.25	.48				
"	.27	.48				
12.00 1.7 *** * ①						
2/260 S	14.06	3809.00	80.15	597998	432345	0.17
8251-0190	.08	9.00				
191/280 S	14.14	8.86	80.98	597998	432375	0.18
191	.15	8.86				
192/300 S	14.21	8.90	80.85	597998	432355	0.19
193 320 S	14.27	8.86	81.15	597998	432355	0.20
	.32	.87				
194 340 S	14.37	8.78	81.36	597998	432315	0.21
	.40	.79				

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Forester Creek Gravity Survey 9/7/82

STN	TIME	READING	RL	mE	mN	Temp-Correct	
195	2   360 S	1445 .47	3808.80 8.80	81.26	597998	432295	0.22
196	380 S	1453 .55	8.52 8.53	82.56	597998	432275	0.23
197	400 S	1500	8.27	83.80	597998	432255	0.25
198	420 S	1506 .08	7.92 7.93	85.61	597998	432235	0.27
		1514 1516	* 9.36 *				
199	440 S	1524 .26	7.69 7.70	86.71	597998	432215	0.29
200	460 S	1532 .33	7.89 7.90	85.73	597998	432195	0.29
201	480 S	1538 .40	7.65 7.65	87.02	597998	432175	0.29
202	500 S	1543	7.50	87.76	597998	432155	0.30
203	500 S	1556 .57	7.90 7.89	86.37	598048	432155	0.27
204	480 S	1603	8.03	85.86	598048	432175	0.27
205	460 S	1607 .09	7.95 7.95	86.15	598048	432195	0.26
206	440 S	1614	7.86	86.54	598048	432215	0.26

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Forester Creek Gravity Survey 9/7/82

STN	TIME	READING	P.L.	mE	mN	Terrain Correction
207	1420 S	1619 .21	3808.20 8.20	84.68	598048	432235 0.25
208	400 S	1625	8.35	84.03	598048	432255 0.24
209	380 S	1630 1637 * 1639 * 1645 *	8.44 ①	83.71	598048	432275 0.24
210	360 S	1645	8.68	82.66	598048	432295 0.23
211	340 S	1650	8.93	81.81	598048	432315 0.22
212	320 S	1655 .58	9.10 9.11	80.84	598048	432335 0.21
213	300 S	1703	9.24	80.21	598048	432355 0.20
214	280 S	1709	9.33	79.89	598048	432375 0.19
215	260 S	1717 1725 * * 9.48	9.43 ①	79.45	598048	432395 0.19

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Forester Creek Gravity Survey

10/9/82

STN	TIME	READING	RL	mE	mN	Terrain Correction
BASE #1	8.02	3809.38	78.83	598010	432392	
"	.04	.39				
"	9.16	.44				
"	.17	.44				
"	11.05	.41				
"	.07	.41				
"	.18	.42				
"	12.59	.42				
"	13.00	.42				
"	13.24	.42				
"	14.57	.41				
"	14.59	.41				
"	16.14	.44				
"	17.24	.47				
<hr/> 8:04 9:39 * * (1)						
216	1/260 S	8.10	3809.36	79.45	598048	432395 0.19
217	240 S	8.15	9.79	77.07	598048	432415 0.18
218	220 S	8.19	9.96	76.18	598048	432435 0.20
		.20	.95			
219	200 S	8.23	9.60	77.85	598048	432455 0.21
220	180 S	8.30	9.34	79.07	598048	432475 0.22
		.31	.34			
221	160 S	8.35	9.43	78.62	598048	432495 0.20
222	140 S	8.41	9.66	77.64	598049	432515 0.21
223	120 S	8.47	9.21			

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## Forester Creek Gravity Survey 10/7/82

STN	TIME	READING	R.L.	mE	mN	Terrain Correction	
224	1/100 S	8.52	3809.12	80.12	598049	432555	0.21
225	90 S	8.57 .58	9.07 .08	80.15	598050	432565	0.19
226	80 S	9.03	9.08	80.09	598050	432575	0.19
227	70 S	9.07 9.16 9.17	9.08 * * ①	80.00	598050	432585	0.20
228	60 S	9.28	9.15	79.74	598050	432595	0.20
229	50 S	9.32	9.26	79.27	598050	432605	0.20
230	40 S	9.36	9.33	78.92	598050	432615	0.20
231	30 S	9.41	9.43	78.52	598050	432625	0.20
232	20 S	9.46 .49	9.53 .53	77.99	598050	432635	0.21
233	10 S	9.53	9.72	77.15	598050	432645	0.21
234	00	9.57 10.00	9.86 9.86	76.38	598050	432655	0.21
235	10 N	10.04	10.09	75.45	598051	432665	0.21
* 236	20 N	10.13	10.14	74.13	598051	432675	0.21
237	30 N	10.21 .24	10.17 .17	75.20	598051	432685	0.21

\* new station

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Forester Creek Gravity Survey

10/7/82

STN	TIME	READING	R.L.	mE	mN	Terrain Correction
<sup>238</sup> 40 N	1028	3810.06	75.72	598051	432695	0.21
239 50 N	1031	9.88	76.57	598051	432705	0.20
240 60 N	1035	9.85	76.65	598051	432715	0.20
241 70 N	1039	9.90	76.38	598050	432725	0.21
242 80 N	1044	10.15	75.45	598050	432735	0.21
* <sup>243</sup> 90 N	10.55	10.24	74.84	598050	432745	0.21
	11:05 9.41 11:07 9.41	* * * ①				
* <sup>244</sup> 240 S	11.27	9.27	79.35	597998	432415	0.17
245 220 S	11.35	8.87	81.00	597998	432435	0.18
246 200 S	11.40	8.29	83.93	597998	432455	0.19
247 180 S	11.44	8.15	84.62	597998	432475	0.19
248 160 S	11.49	8.35	83.74	597998	432495	0.18
* <sup>249</sup> 140 S	11.59	8.81	81.72	597998	432515	0.18
<sup>250</sup> 120 S	12.04	8.99	80.75	597998	432535	0.18
<sup>251</sup> 100 S	12.10	8.92	80.71	597999	432555	0.18
<sup>252</sup> 90 S	12.14	8.90	80.98	597998	432565	0.18
<sup>253</sup> 80 S	12.18	8.82	81.24	597999	432575	0.18

\* new station

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### Forrester Creek Gravity Survey

10/7/82

STU	TIME	READING	R.L.	ME	MN	Terrain Correction	
254	2   70 S	1221	3808.72	80.60	597998	432585	0.19
255	60 S	1226	8.65	81.87	597998	432595	0.19
256	80 S	1231	8.64	81.88	597998	432605	0.19
257	40 S	1235	8.74	81.37	597998	432615	0.18
258	30 S	1238	8.96	80.46	597998	432625	0.18
259	20 S	1242	9.17	79.54	597998	432635	0.19
260	10 S	1246	9.45	78.22	597998	432645	0.20
261	00	1251	9.67	77.21	597998	432655	0.20
262	3   240 S	1331	8.33	83.72	597948	432415	0.17
263	260 S	1338	8.06	85.05	597948	432395	0.19
264	280 S	1342	7.83	85.91	597948	432375	0.20
265	300 S	1346	7.91	85.67	597948	432355	0.21
266	320 S	1351	8.10	84.57	597948	432335	0.21
		.52	8.10				
267	340 S	1357	8.12	84.40	597948	432315	0.22
268	360 S	1403	8.18	84.19	597948	432295	0.23
269	380 S	1407	8.10	84.56	597948	432275	0.24

<sup>12.59</sup> 4.92  
<sup>13.29</sup> \* \* \*  
<sup>4.92</sup> \* \* \*

(1)

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561143

(8)

## Forester Creek Gravity Survey

10/7/82

STN	TIME	READING	R.L.	mE	mN	Terrain Correction
270 3   400S	1412	3807.58	87.15	597948	432255	0.26
271 420S	1417	7.08	89.44	597948	432235	0.29
272 440S	1421	7.06	89.45	597948	432215	0.30
273 460S	1426	7.23	89.66	597948	432295	0.30
274 480S	1430	7.04	89.92	597948	432175	0.31
275 500S	1436	6.55	92.28	597948	432155	0.32
276 4   500S	1441	5.92	95.93	597903	432135	
277 480S	1446	6.14	94.77	597903	432155	
278 460S	1455	6.29	93.98	597901	432175	
	1457 4.71	* * (1)				
	1459 9.41					
279 440S	1507	6.81	91.51	597900	432195	
280 420S	1511	7.00	90.42	597898	432215	
281 400S	1516	7.08	90.06	597898	432235	
282 380S	1520	7.40	88.58	597899	432255	
	21	7.40				
283 360S	1526	7.45	88.25	597896	432275	
284 340S	1530	7.13	88.49	597895	432295	
285 320S	1535	7.05	89.69	597894	432315	

(9)

Forester Creek Gravity Survey 10/7/82

STN	TIME	READING	R.L.	mE	mN	Terrain Correction
<sup>286</sup> 4   300 S	1540	3807.15	89.09	597898	432335	
287 280 S	1545	7.06	89.41	597898	432355	
288 260 S	1549	7.13	89.14	597898	432375	
289 240 S	1557	7.16	88.95	597898	432395	
290 220 S	1601	7.25	88.50	597898	432415	
291 200 S	1608 1114	7.43	87.63	597898	432435	
<sup>293</sup> 3   220 S	1619	8.47	83.07	597948	432435	0.17
293 200 S	1622	8.30	83.65	597948	432455	0.17
294 180 S	1627	8.20	84.43	597948	432475	0.18
295 160 S	1631	7.91	85.76	597948	432495	0.18
<sup>296</sup> * 140 S	1638	7.94	85.67	597948	432515	0.18
297 120 S	1642	7.94	85.68	597948	432535	0.18
298 100 S	1646	8.05	85.11	597948	432555	0.18
299 90 S	1650	8.20	84.52	597948	432565	0.18
300 80 S	1655	8.30	83.94	597948	432575	0.17
301 70 S	1700	8.48	83.21	597948	432585	0.17

\* new station

(10)

Fovester Creek Gravits Survey

10/7/82

STN	TIME	READING	RL	mE	mN	Terram Correction
<sup>307</sup> 360S	1705	3808.58	82.69	597948	432595	0.17
<sup>307</sup> 50S	1710	8.66	82.24	597948	432605	0.17
<sup>304</sup> 40S	1715	8.73	81.78	597948	432615	0.17
		* (1)				
	1724	9.47				

145

561146

(11)

## Fovester Creek Gravity Surveys

11/7/82

STN	TIME	READING	P.L.	mE	mN	Terram Correction	
BASE #2	441 8:08	3808.18	83.84	597919	432804		
"	8:11	8.18					
"	9:43	8.21					
"	9:46	8.21					
"	10:54	8.19					
BASE #1	11:03	9.44	78.83	598010	432392		
"	11:13	9.45					
BASE #2	12:09	8.18	83.84	597919	432804		
"	13:35	8.16					
"	13:52	8.16					
"	15:19	8.15					
BASE #1	15:30	9.42	78.83	598010	432392		
"	15:32	9.41					
439 3   360 N	16:09	7.91	86.19	597948	433013	0.23	
"	17:17	7.92					
305 3   120 N	8:11 8:18	8.18 3808.63	** * *	597948	432775	0.19	
306	100 N	8:22	8.80	81.74	597948	432755	0.19
307	90 N	8:25	8.92	81.19	597948	432745	0.19
308	80 N	8:29	9.08	80.40	597948	432735	0.18
309	70 N	8:33	9.29	79.47	597948	432725	0.18
310	60 N	8:38	9.49	78.41	597948	432715	0.17

(2)

Forester Creek Gravels Survey

11/7/82

STN	TIME	READING	R.L	mE	mN	Terrain Correction	
311	3   50 N	8.42	<del>380</del> 9.58	77.78	597948	432705	0.17
312	40 N	8.49	9.56	77.84	597948	432695	0.17
313	30 N	8.53	9.46	78.21	597948	432685	0.17
314	20 N	8.58	9.47	78.16	597948	432675	-0.17
315	10 N	9.06	9.49	78.08	597948	432665	0.17
316	* 00	9.13	9.46	78.31	597948	432655	0.17
317	10 S	9.19	9.28	79.10	597948	432645	0.19
318	20 S	9.24	9.14	79.91	597948	432635	0.17
319	30 S	9.28	8.95	80.91	597948	432625	0.17
320	40 S	9.35	8.76	81.78	597948	432615	0.17
321	2   00	9.54	9.72	77.21	597998	432655	0.20
322	10 N	9.59	9.81	76.83	597998	432665	0.20
323	20 N	10.03	9.84	76.71	597998	432675	0.19
324	30 N	10.08	9.93	76.28	597998	432685	0.19
		.09	9.93				
325	40 N	10.13	9.88	76.46	597998	432695	0.19

\* new Station

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561148

(13)

Forester Creek Gravits Survey 11/7/82

STN	TIME	READING	R.L.	mE	mN	Ferram Correction	
326	2/50 N	1017	3809.74	77.21	597998	432705	0.19
327	60 N	1021	9.57	77.95	597998	432715	0.19
328	70 N	1025	9.44	78.66	597998	432725	0.19
329	80 N	1028	9.33	79.24	597998	432735	0.19
330	* 90 N	1032	9.26	79.58	597998	432745	0.19
331	100 N	1036	9.27	79.55	597998	432755	0.19
332	120 N	1040	9.62	77.90	597998	432775	0.19
333	140 N	1045	10.04	75.70	597998	432795	0.19
334	4   200 S	11.22	7.45	87.63	597888	432435	
335	180 S	1126 .28	7.48 7.48	87.53	597887	432455	
336	160 S	1133	7.45	87.78	597886	432475	
337	140 S	1138	7.44	87.54	597885	432495	
338	120 S	1142	7.51	87.20	597884	432515	
339	100 S	1147	7.37	87.85	597883	432535	
340	90 S	1150	7.39	87.74	597882	432555	

\* new station

(14)

## Forester Creek Gravity Survey

11/7/82

STW	TIME	READING	R.L.	mE	mN	Terrain Correction
341 4   80 S	1154	3807.44	87.56	597882	432555	
342 70 S	1158	7.47	87.34	597882	432565	
343 60 S	1201 1204	8.18 * (2)	7.50	86.97	597881	432575
344 50 S	1216	7.85	86.67	597881	432585	
345 40 S	1223	7.59	86.47	597880	432595	
346 30 S	1227	7.64	86.21	597880	432605	
347 20 S	1229	7.74	85.68	597879	432615	
348 10 S	1233	7.96	84.76	597879	432625	
349 00	1239	8.18	83.84	597878	432635	
350 10 N	1244	8.45	82.65	597878	432645	
351 20 N	1252	8.73	81.01	597877	432655	
352 30 N	1256	8.92	80.45	597877	432665	
353 40 N	1300	9.05	79.90	597876	432675	
354 50 N	1305	9.09	79.59	597876	432685	
355 60 N	1312	9.14	79.37	597875	432695	
356 70 N	1316	9.17	79.13	597875	432705	

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561150

(15)

## Forester Creek Gravity Survey

11/7/82

STN	TIME	READING	R.L.	mE	mN	Terrain Correction
* <sup>397</sup> 80 N	1323	3809.14	79.27	597874	432715	
* <sup>398</sup> 90 N	1329 <sub>1335</sub>	8-16 9.13	78.32	597874	432725	
359 100 N	1359 <sub>1352</sub>	* <sup>8-16</sup> * <sup>(2)</sup> 9.08	79.60	597873	432735	
360 120 N	1403	8.95	80.07	597872	432755	
361 140 N	1407	8.76	80.88	597871	432775	
362 160 N	1411	8.62	81.55	597870	432795	
363 180 N	1415	8.39	82.54	597869	432815	
364 200 N	1418	8.18	83.37	597868	432835	
365 220 N	1423	8.06	83.71	597867	432855	
366 240 N	1427	8.37	82.29	597866	432875	
367 260 N	1432	9.18	78.44	597865	432895	
368 280 N	1439	9.71	76.23	597864	432915	
* <sup>369</sup> 3   220 N	1451	9.91	75.84	597948	432875	0.21
370 200 N	1456	9.35	79.19	597948	432855	0.19
371 180 N	1501	8.97	91.05	597948	432835	0.19
372 160 N	1505	8.67	82.05	597948	432815	0.18
* new station						

(16)

### Foster Creek Gravity Surveys

11/7/82

STN	TIME	READING	R.L.	ME	mN	Terrain Correction
373 3	140 N 1510	3808.45	83.09	597948	432795	0.19
374	120 N 1514 1519	8.15 8.59	82.50	597948	432775	0.19
375 3	380 N 1613 1609	7.91 7.72	87.20	597948	433033	0.21
376	400 N 1619	7.39	88.90	597948	433053	0.19
377	420 N 1627	7.46	88.18	597948	433073	0.18
378 *	440 N 1632	7.42	88.12	597948	433093	0.17
379	460 N 1636	7.09	89.69	597948	433113	0.17
380	480 N 1640	7.07	89.93	597948	433133	0.17
381	500 N 1645	6.87	91.83	597948	433153	0.17
382 4	500 N 1653	8.40	82.38	597853	433135	
383	480 N 1700	8.53	81.68	597854	433115	
384	460 N 1704	8.90	80.14	597855	433045	
385	440 N 1710	9.13	79.94	597856	433075	
		(3) 1717 7.92				

\* new station

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Forester Creek Gravits Survey

12/7/82

STN	TIME	READING	R.L.	mE	mN	Terrain Correction
BASE #1	740	3809.38	78.83	598010	432392	
3   360 N	7.51	7.90	86.19	597948	433013	0.23
"	9.42	7.96				
"	9.45	7.95				
"	11.22	7.96				
"	11.35	7.96				
"	13.05	7.95				
"	13.21	7.95				
"	14.43	7.91				
BASE #1	1454	9.41	78.83	598010	432392	
BASE #2	1503	8.14	83.84	597919	432904	
BASE #1	1523	9.43	78.83	598010	432392	
3   360 N	1543	7.92	86.19	597948	433013	0.23
AIRPORT	1558	3829.11	21.0	607090	422490	
	59	9.10				
3   360 N	1623	3807.90	86.19	597948	433013	0.23
	24	7.90				
AIRPORT	1707	3829.08	21.0	607090	422490	
	08	9.09				

Forester Creek Gravits Survey

12/7/82

STN	TIME	READING	R.L.	mE	mN	Terrain Correction
386 4/440 N	7:58 <sup>③</sup> <sub>7.90</sub>	380	9.11	78.94	597856	433075
387	420 N	8.06	9.33	77.75	597857	433055
388	400 N	8.12	9.43	77.32	597858	433035
389	380 N	8.19	9.25	78.64	597859	433015
* 390	360 N	8.29	9.41	78.00	597860	432995
* 391	340 N	8.35	9.01	80.26	597861	432975
392	320 N	8.41	9.05	80.08	597862	432955
393	300 N	8.49	9.73	76.52	597863	432935
* 394	3/260 N	9.10	9.81	76.90	597948	432915 0.19
* 395	280 N	9.20	9.71	77.24	597948	432935 0.19
* 396	240 N	9.25	9.86	76.50	597948	432895 0.20
397	300 N	9.33 <sup>9.41</sup> <sub>7.96</sub>	9.63	77.57	597948	432955 0.19
398	360 N	9.49 <sup>③</sup> <sub>7.75</sub>	8.61	82.99	597948	432995 0.19
399	320 N	9.53	9.28	79.77	597948	432975 0.19
400	2/168 N	10.07	9.99	75.68	597948	432823 0.18
* 401	180 N	10.14	9.98	75.84	597948	432835 0.17

\* new station

(19)

Forester Creek Gravity Survey

12/7/8

STN	TIME	READING	R.L	ME	MN	Terram Correction
402 2/200	1018	3809.63	77.93	597998	432855	0.19
403 220 N	1023	9.25	80.13	597998	432875	0.19
404 240 N	1028	8.53	83.64	597998	432895	0.18
405 260 N	1034	8.70	82.55	597998	432915	0.17
406 280 N	1038	8.59	83.20	597998	432935	0.17
407 300 N	1042	8.62	82.92	597998	432955	0.19
408 320 N	1045	8.58	83.15	597998	432975	0.18
409 340 N	1050	8.75	82.40	597998	432995	0.19
410 360 N	1057	8.62	83.09	597998	433015	0.20
411 * 380 N	1108	8.71	82.72	597998	433035	0.18
412 400 N	1114	1122 7.46 8.33	84.45	597998	433055	0.19
413 420 N	1142	1139 7.95 7.86	86.69	597998	433075	0.19
414 440 N	1146	7.51	88.14	597998	433095	0.19
415 460 N	1150	7.22	89.46	597998	433115	0.17
416 480 N	1154	7.06	90.40	597998	433135	0.18
417 500 N	1158	6.79	91.64	597998	433154	0.17

\* new station

(20)

Forester Creek Gaits Survey

12/7/82

STN	TIME	READING	R.L.	mE	mN	Terrain Correction
11/418 500 N	1207	3806.83	91.62	598030	433161	0.19
419 480 N	1229	7.12	90.34	598030	433142	0.19
420 460 N	1233	7.46	88.82	598031	433122	0.20
421 440 N	1237	7.80	89.12	598032	433102	0.22
422 420 N	1242	8.12	85.76	598033	433082	0.22
423 400 N	1246	7.86	86.95	598034	433062	0.21
424 380 N	1251	7.84	87.15	598035	433041	0.21
425 360 N	1254	8.18	85.63	598035	433022	0.20
426 340 N	1259 <sup>1305 7.45</sup>	8.28	85.15	598036	433002	0.20
427 320 N	1325 <sup>(3) (3) 1321 7.45</sup>	8.15	85.59	598037	432982	0.21
428 300 N	1330	7.81	87.07	598038	432962	0.21
429 280 N	1334	7.80	87.08	598040	432940	0.20
430 260 N	1339	7.86	87.29	598040	432922	0.20
431 240 N	1342	8.11	85.87	598040	432902	0.21
432 220 N	1346	8.19	85.52	598042	432981	0.21
433 200 N	1355	8.64	83.15	598042	432962	0.21
434 180 N	1401	9.01	81.11	598043	432942	0.22

(21)

Forester Creek Gravity Survey

12/7/82

STN	TIME	READING	A.L.	ME	m.N	Terrain Correction
435 160 N	1406	3809.22	80.13	598044	432822	0.22
436 140 N	1410	9.81	77.04	598045	432803	0.23
437 120 N	1427	10.14	75.25	598050	432778	0.22
438 100 N	1433	1443 7.91 10.21	74.92	598050	432758	0.21

(3) → (1) → (2) → (1) → (3) → Air → (3) → Air

To convert to milligals: 3800 = 3836.20 milligals.

Factor for interval above this is 1.00909.

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561157

STN N.S	EAST	NORTH	ELEVATION	DIFF	TERRAIN CORRECTION	CSK STN N°
0	597998	432395	80.15	-20.00	0.17	2/26
191	597998	432375	80.98	-20.15	0.18	2/28
192	597998	432355	80.85	-20.11	0.19	2/300
193	597998	432335	81.15	-20.16	0.20	2/320
194	597998	432315	81.36	-20.24	0.21	2/340
195	597998	432295	81.26	-20.23	0.22	2/360
196	597998	432275	82.56	-20.52	0.23	2/380
197	597998	432255	83.80	-20.77	0.25	2/400
198	597998	432235	85.61	-21.12	0.27	2/420
199	597998	432215	86.71	-21.36	0.28	2/440
200	597998	432195	85.73	-21.16	0.29	2/460
201	597998	432175	87.02	-21.41	0.29	2/480
202	597998	432155	87.76	-21.56	0.30	2/500
203	598048	432155	86.37	-21.16	0.27	1/500
204	598048	432175	85.86	-21.03	0.27	1/480
205	598048	432195	86.15	-21.11	0.26	1/460
206	598048	432215	86.54	-21.20	0.26	1/440
207	598048	432235	84.68	-20.87	0.25	1/420
208	598048	432255	84.03	-20.72	0.24	1/400
209	598048	432275	83.71	-20.63	0.24	1/380
210	598048	432295	82.66	-20.47	0.23	1/360
211	598048	432315	81.81	-20.07	0.22	1/340
212	598048	432335	80.84	-20.09	0.21	1/320
213	598048	432355	80.21	-19.89	0.20	1/300
214	598048	432375	79.89	-19.81	0.19	1/280
215	598048	432395	79.45	-19.72	0.19	1/260
216	598048	432395	79.45	-19.72	0.19	1/260
217	598048	432415	77.07	-19.38	0.18	1/240
218	598048	432435	76.18	-19.43	0.20	1/220
219	598048	432455	77.85	-19.49	0.21	1/200
220	598048	432475	79.07	-19.76	0.22	1/180
221	598048	432495	78.62	-19.67	0.20	1/160

error  
 (check previous  
 survey) - 2120 = 20.87

-21.20

22	598049	432515	77.64	-19.45	0.21	1/140S
223	598049	432535	78.98	-19.75	0.22	1/120S
224	598049	432555	80.12	-19.99	0.21	1/100S
225	598050	432565	80.15	-20.05	0.19	1/90S
226	598050	432575	80.09	-20.04	0.19	1/80S
227	598050	432585	80.00	-20.00	0.20	1/70S
228	598050	432595	79.74	-19.98	0.20	1/60S
229	598050	432605	79.27	-19.87	0.20	1/50S
230	598050	432615	78.92	-19.79	0.20	1/40S
231	598050	432625	78.52	-19.69	0.20	1/30S
232	598050	432635	77.99	-19.59	0.21	1/20S
233	598050	432645	77.15	-19.40	0.21	1/10S
234	598050	432655	76.38	-19.26	0.21	1/0
235	598051	432665	75.45	-19.03	0.21	1/10N
236	598051	432675	74.13	-18.97	0.21	1/20N
237	598051	432685	75.20	-18.94	0.21	1/30N
238	598051	432695	75.72	-19.05	0.21	1/40N
239	598051	432705	76.57	-19.23	0.20	1/50N
240	598051	432715	76.65	-19.26	0.20	1/60N
241	598050	432725	76.38	-19.21	0.21	1/70N
242	598050	432735	75.45	-18.96	0.21	1/80N
243	598050	432745	74.84	-18.86	0.21	1/90N
244	597998	432415	79.35	-19.83	0.17	2/240S
245	597998	432435	81.00	-20.23	0.18	2/220S
246	597998	432455	83.93	-20.81	0.18	2/200S
247	597998	432475	84.62	-20.95	0.19	2/180S
248	597998	432495	83.74	-20.75	0.18	2/160S
249	597998	432515	81.72	-20.29	0.18	2/140S
250	597998	432535	80.75	-20.12	0.18	2/120S
251	597998	432555	80.71	-20.19	0.18	2/100S
252	597998	432575	80.98	-20.21	0.18	2/90S
253	597998	432595	81.24	-20.29	0.18	2/80S

254	597448	432585	80-60	-20.34	0.19	2/70
255	597448	432595	81-87	-20.46	0.19	2/60
256	597448	432605	81-88	-20.47	0.19	2/50
257	597448	432615	81-37	-20.37	0.18	2/40
258	597448	432625	80-46	-20.15	0.18	2/30
259	597448	432635	79-54	-19.94	0.19	2/20
260	597448	432645	78-22	-19.66	0.20	2/10
261	597448	432655	77-21	-19.44*	0.20	2/0
262	597448	432415	83-72	-20.78	0.17	3/240
263	597448	432395	85-05	-21.05	0.19	3/260S
264	597448	432375	85-91	-21.28	0.20	3/280S
265	597448	432355	85-47	-21.20	0.21	3/300S
266	597448	432335	84-57	-21.01	0.21	3/320S
267	597448	432315	84-40	-20.99	0.22	3/340
268	597448	432295	84-19	-20.93	0.23	3/360S
269	597448	432275	84-54	-21.01	0.24	3/380S
270	597448	432255	87-15	-21.52	0.26	3/400
271	597448	432235	84-44	-22.02	0.29	3/420S
272	597448	432215	84-45	-22.04	0.30	3/440S
273	597448	432195	88-66	-21.87	0.30	3/460S
274	597448	432175	84-82	-22.06	0.31	3/480S
275	597448	432155	92-28	-22.55	0.32	3/500S
276	597903	432135	95-93	-23.18	0.32	4/500S
277	597902	432155	96-77	-22.96	0.31	4/520S
278	597901	432175	93-98	-22.81	0.30	4/460S
279	597900	432195	91-51	-22.29	0.28	4/440S
280	597899	432215	90-42	-22.10	0.26	4/420S
281	597898	432235	90-06	-22.03	0.26	4/400S
282	597897	432255	88-58	-21.71	0.24	4/380S
283	597896	432275	88-25	-21.66	0.24	4/360S
284	597845	432295	88-49	-21.98	0.23	4/340S
285	597894	432315	84-69	-22.06	0.21	4/320S

286	597893	432335	89.09	-21.97	0.20	4/300
287	597892	432355	89.41	-22.06	0.19	4/280S
288	597891	432375	89.14	-21.99	0.18	4/260S
289	597890	432395	88.95	-21.96	0.17	4/240S
290	597889	432415	88.50	-21.87	0.17	4/220S
291	597888	432435	87.63	-21.70	0.16	4/200
292	597988	432435	83.07	-20.66	0.17	3/220S
293	597988	432455	83.65	-20.83	0.17	3/200
294	597988	432475	84.43	-20.94	0.18	3/180S
295	597988	432495	85.76	-21.23	0.18	3/160S
296	597988	432515	85.67	-21.20	0.18	3/140S
297	597948	432535	85.68	-21.20	0.18	3/120S
298	597948	432555	85.11	-21.09	0.18	3/100
299	597948	432565	84.52	-20.95	0.18	3/90S
300	597948	432575	83.94	-20.85	0.17	3/80S
301	597948	432585	83.21	-20.67	0.17	3/70S
302	597948	432595	82.69	-20.57	0.17	3/60S
303	597948	432605	82.24	-20.49	0.17	3/50S
304	597948	432615	81.78	-20.43	0.17	3/40S
305	597948	432775	82.50	-20.51	0.19	3/120N
306	597948	432755	81.74	-20.34	0.19	3/100N
307	597948	432745	81.19	-20.22	0.19	3/90N
308	597948	432735	80.40	-20.07	0.18	3/80N
309	597948	432725	79.47	-19.86	0.18	3/70N
310	597948	432715	78.41	-19.66	0.17	3/60N
311	597948	432705	77.78	-19.57	0.17	3/50N
312	597948	432695	77.84	-19.59	0.17	3/40N
313	597948	432685	78.21	-19.69	0.17	3/30N
314	597948	432675	78.16	-19.69	0.17	3/20N
315	597948	432665	78.08	-19.67	0.17	3/10N
316	597948	432655	78.31	-19.70	0.17	3/0
317	597948	432645	79.10	-19.88	0.18	3/10S

8	597948	432635	79.91	-20.02	0.17	3/20S
319	597948	432625	80.91	-20.22	0.17	3/30S
20	597948	432615	81.78	-20.41	0.17	3/40S
321	597948	432655	77.21	-19.45	0.20	2/0
2	597948	432665	76.83	-19.36	0.20	2/10N
323	597948	432675	76.71	-19.32	0.19	2/20N
4	597948	432685	76.28	-19.23	0.19	2/30N
25	597948	432695	76.46	-19.28	0.19	2/40N
326	597948	432705	77.21	-19.42	0.19	2/50N
7	597948	432715	77.95	-19.59	0.19	2/60N
328	597948	432725	78.66	-19.72	0.19	2/70N
9	597948	432735	79.24	-19.83	0.18	2/80N
330	597948	432745	79.58	-19.90	0.18	2/90N
3	597948	432755	79.55	-19.89*	0.18	2/100N
332	597948	432775	77.90	-19.53	0.19	2/120N
333	597948	432795	75.70	-19.11	0.19	2/140N
334	597888	432435	87.63	-21.64	0.16	4/200S
335	597887	432455	87.53	-21.66	0.16	4/180S
3	597886	432475	87.78	-21.69	0.17	4/160S
337	597885	432495	87.54	-21.70	0.17	4/140S
3	597884	432515	87.20	-21.63	0.17	4/120S
339	597883	432335	87.85	-21.77	0.16	4/100S
34	597883	432345	87.74	-21.75	0.16	4/90S
341	597882	432555	87.56	-21.70	0.17	4/80S
342	597882	432565	87.34	-21.67	0.16	4/70S
34	597881	432575	86.97	-21.64	0.16	4/60S
344	597881	432585	86.67	-21.59	0.16	4/50S
34	597880	432595	86.47	-21.55	0.16	4/40S
46	597880	432605	86.21	-21.50	0.16	4/30S
4	597879	432615	85.68	-21.40	0.17	4/20S
48	597879	432625	84.76	-21.17	0.16	4/10S
4	597878	432635	83.84	-20.95	0.16	4/0

350	597878	432645	82.65	-20.68	0.18	4/10N
351	597877	432655	81.01	-20.40	0.17	4/20N
352	597877	432665	80.45	-20.21	0.17	4/30N
353	597876	432675	79.90	-20.08	0.17	4/40N
354	597876	432685	79.59	-20.00	0.17	4/50N
355	597875	432695	79.37	-19.99	0.16	4/60N
356	597875	432705	79.13	-19.95	0.16	4/70N
357	597874	432715	79.27	-19.98	0.16	4/80N
358	597874	432725	78.32	-19.99	0.17	4/90N
359	597873	432735	79.60	-20.00	0.19	4/100N
360	597872	432755	80.07	-20.17	0.17	4/120N
361	597871	432775	80.88	-20.36	0.17	4/140N
362	597870	432795	81.55	-20.50	0.18	4/160N
363	597869	432815	82.50	-20.73	0.17	4/180N
364	597868	432835	83.37	-20.90	0.17	4/200N
365	597867	432855	83.71	-21.06	0.17	4/220N
366	597866	432875	82.29	-20.75	0.18	4/240N
367	597865	432895	78.44	-19.94	0.20	4/260N
368	597864	432915	76.23	-19.40	0.20	4/280N
369	597948	432875	75.84	-19.20	0.21	3/220N
370	597948	432855	79.19	-19.76	0.19	3/200N
371	597948	432835	81.05	-20.34	0.18	3/180N
372	597948	432815	82.08	-20.40	0.18	3/160N
373	597948	432795	83.09	-20.66	0.19	3/140N
374	597948	432775	82.50	-20.52	0.19	3/120N
375	597948	433033	87.20	-21.38	0.21	3/380N
376	597948	433053	88.80	-21.71	0.19	3/400N
377	597948	433073	88.18	-21.60	0.18	3/420N
378	597948	433093	88.12	-21.68	0.18	3/440N
379	597948	433113	89.69	-22.01	0.18	3/460N
380	597948	433133	89.93	-22.03	0.17	3/480N
381	597948	433153	91.83	-22.24	0.17	3/500N

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382	597853	433133	82.98	-20.71	0.16	4/500
383	597854	433115	81.68	-20.58	0.16	4/480
384	597855	433095	80.14	-20.21	0.15	4/460
385	597856	433075	78.94	-19.98	0.15	4/440
386	597856	433075	78.94	-19.98	0.15	4/440
387	597857	433055	77.75	-19.77	0.16	4/420
388	597858	433035	77.32	-19.67	0.16	4/400
389	597859	433015	78.64	-19.86	0.17	4/380
390	597860	432995	78.00	-19.70	0.17	4/360
391	597861	432975	80.26	-20.10	0.18	4/340
392	597862	432955	80.08	-20.07	0.19	4/320
393	597863	432935	76.52	-19.39	0.18	4/300
394	597948	432915	76.90	-19.32	0.19	3/260
395	597948	432935	77.24	-19.43	0.19	3/240
396	597948	432895	76.50	-19.28	0.20	3/220
397	597948	432955	77.57	-19.52	0.19	3/200
398	597948	432995	82.99	-20.53	0.19	3/180
399	597948	432975	79.77	-19.86	0.19	3/160
400	597998	432823	75.68	-19.15	0.15	2/168
401	597998	432835	75.84	-19.16	0.17	2/180
402	597998	432855	77.93	-19.51	0.19	2/200
403	597998	432875	80.13	-19.89	0.19	2/220
404	597998	432895	83.64	-20.61	0.18	2/240
405	597998	432915	82.55	-20.45	0.17	2/260
406	597998	432935	83.20	-20.56	0.17	2/280
407*	597998	432955	82.92	-20.53	0.17	2/300
408	597998	432975	83.15	-20.57	0.18	2/320
409	597998	432995	82.40	-20.40	0.19	2/340
410	597998	433015	83.09	-20.53	0.20	2/360
411	597998	433035	82.72	-20.46	0.18	2/380
412	597998	433055	84.45	-20.82	0.19	2/400
413	597998	433075	86.68	-21.29	0.19	2/420

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4	597998	433095	88.14	-21.64	0.19	2/4401
415	597998	433115	89.46	-21.93	0.17	2/460N
416	597998	433135	90.40	-22.09	0.18	2/480N
417	597998	433154	91.64	-22.36	0.17	2/500N
418	598030	433161	91.62	-22.32	0.19	1/5001
419	598030	433162	90.34	-22.02	0.19	1/480N
420	598031	433122	88.82	-21.68	0.20	1/460N
421	598032	433102	89.12	-21.34	0.22	1/440N
422	598033	433082	85.76	-21.02	0.22	1/420N
423	598034	433062	86.45	-21.28	0.21	1/400N
424	598035	433041	87.15	-21.30	0.21	1/380N
425	598035	433022	85.63	-20.96	0.20	1/360N
426	598036	433002	85.15	-20.86	0.20 +	1/340N
427	598037	432982	85.59	-20.99	0.21	1/320N
428	598038	432962	87.07	-21.33	0.21	1/300N
429	598040	432940	87.08	-21.33	0.20	1/280N
430	598040	432922	87.29	-21.27	0.20	1/260N
431	598040	432902	85.87	-21.02	0.21	1/240N
432	598042	432881	85.52	-20.94	0.21	1/220N
433	598042	432862	83.15	-20.48	0.21	1/200N
434	598043	432842	81.11	-20.11	0.22	1/180N
435	598044	432822	80.13	-19.90	0.22	1/160N
436	598045	432803	77.04	-19.31	0.23	1/140N
437	598050	432778	75.25	-18.97	0.22	1/120N
438	598050	432758	74.92	-18.89	0.21	1/100N
439	597948	433013	86.19	-21.19	0.23	BASE 3/ 3/360N
440	598010	432392	78.83	-19.69	0.19	BASE 1.
441	597919	432804	83.84	-20.96	0.24	BASE 2.

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LINE	BASE	SNUM	TIME	OBS	SHIFT
1	1	441	8.11	8.18	-20.96
2	2	441	9.43	8.21	-20.96
3	3	441	9.46	8.21	-20.96
4	4	441	10.54	8.19	-20.96
5	5	440	11.13	9.45	-19.69
6	6	441	12.09	8.18	-20.96
7	7	441	13.35	8.16	-20.96
8	8	441	13.52	8.16	-20.96
9	9	441	15.19	8.15	-20.96
10	10	439	16.09	7.72	-21.19
11	11	439	17.17	7.92	-21.19

LINE	BASE	SNUM	DIFF	TIME	OBS
13	1	305	-20.51	8.18	8.63
14	1	306	-20.34	8.22	8.80
15	1	307	-20.22	8.25	8.92
16	1	308	-20.07	8.29	9.08
17	1	309	-19.86	8.33	9.29
18	1	310	-19.66	8.38	9.49
19	1	311	-19.57	8.42	9.58
20	1	312	-19.59	8.49	9.56
21	1	313	-19.69	8.53	9.46
22	1	314	-19.69	8.58	9.47
23	1	315	-19.67	9.06	9.49
24	1	316	-19.70	9.13	9.46
25	1	317	-19.88	9.19	9.28
26	1	318	-20.02	9.24	9.14
27	1	319	-20.22	9.28	8.95
28	1	320	-20.41	9.35	8.76
29	3	321	-19.45	9.54	9.72
30	3	322	-19.36	9.59	9.81
31	3	323	-19.32	10.03	9.84
32	3	324	-19.23	10.08	9.93
33	3	325	-19.28	10.13	9.88
34	3	326	-19.42	10.17	9.74
35	3	327	-19.59	10.21	9.57
36	3	328	-19.72	10.25	9.44
37	3	329	-19.83	10.28	9.33
38	3	330	-19.90	10.32	9.26
39	3	331	-19.89	10.36	9.27
40	3	332	-19.53	10.40	9.62
41	3	333	-19.11	10.45	10.04
42	5	334	-21.69	11.22	7.45
43	5	335	-21.66	11.26	7.48
44	5	336	-21.69	11.33	7.45
45	5	337	-21.70	11.38	7.44
46	5	338	-21.63	11.42	7.51
47	5	339	-21.77	11.47	7.37
48	5	340	-21.75	11.50	7.39
49	5	341	-21.70	11.54	7.44
50	5	342	-21.67	11.58	7.47
51	5	343	-21.64	12.01	7.50
52	6	344	-21.59	12.16	7.55
53	6	345	-21.55	12.23	7.59
54	6	346	-21.50	12.27	7.64
55	6	347	-21.40	12.29	7.74
56	6	348	-21.17	12.33	7.96
57	6	349	-20.95	12.39	8.18
58	6	350	-20.68	12.44	8.45

6	351	-20.40	12.52	0.73	
6	352	-20.21	12.56	0.92	
6	353	-20.08	13.00	9.05	
6	354	-20.04	13.05	9.09	
6	355	-19.99	13.12	9.14	
6	356	-19.95	13.16	9.17	
6	357	-19.98	13.23	9.14	
6	358	-19.99	13.29	9.13	
8	359	-20.04	13.59	9.08	
8	360	-20.17	14.03	8.95	
8	361	-20.36	14.07	8.76	
8	362	-20.50	14.11	8.62	
8	363	-20.73	14.15	8.39	
8	364	-20.94	14.18	8.18	
8	365	-21.06	14.23	8.06	
8	366	-20.75	14.27	8.37	
8	367	-19.94	14.32	9.18	
8	368	-19.40	14.39	9.71	
8	369	-19.20	14.51	9.91	
8	370	-19.76	14.56	9.35	
8	371	-20.34	15.01	8.77	
8	372	-20.44	15.05	8.67	
8	373	-20.66	15.10	8.45	
8	374	-20.52	15.14	8.59	
10	375	-21.01	16.13	7.91	
10	376	-21.55	16.19	7.39	
10	377	-21.50	16.27	7.46	
10	378	-21.56	16.32	7.42	
10	379	-21.90	16.36	7.09	
10	380	-21.93	16.40	7.07	
10	381	-22.15	16.45	6.87	
10	382	-20.64	16.53	8.40	
10	383	-20.53	17.00	8.53	
10	384	-20.17	17.04	8.90	
10	385	-19.96	17.10	9.13	

*ML - Return*

XMIN 521.000 XMAX 541.000 YMIN 295.000 YMAX 322.000 SPACING 0.500  
 TITLE OATLANDS AT 6.5KM&

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MS	TTT	BASE	SNUM	TIME	OBS	SHIFT
1		1	440	8.04	9.39	-19.69
2		2	440	9.16	9.44	-19.69
3		3	440	9.17	9.44	-19.69
4		4	440	11.05	9.41	-19.69
5		5	440	11.07	9.41	-19.69
6		6	440	12.59	9.42	-19.69
7		7	440	13.24	9.42	-19.69
8		8	440	14.57	9.41	-19.69
9		9	440	14.57	9.41	-19.69
10		10	440	14.59	9.41	-19.69
11		11	440	16.14	9.44	-19.69
12		12	440	17.24	9.47	-19.69
13						
MS	TTT	BASE	SNUM	DIFF	TIME	OBS
14		1	216	-19.72	8.10	9.36
15		1	217	-19.30	8.15	9.79
16		1	218	-19.13	8.19	9.96
17		1	219	-19.49	8.25	9.60
18		1	220	-19.76	8.30	9.34
19		1	221	-19.67	8.35	9.43
20		1	222	-19.45	8.41	9.66
21		1	223	-19.75	8.47	9.36
22		1	224	-19.99	8.52	9.12
23		1	225	-20.05	8.57	9.07
24		1	226	-20.04	9.03	9.08
25		1	227	-20.04	9.07	9.08
26		3	228	-19.98	9.28	9.15
27		3	229	-19.07	9.32	9.26
28		3	230	-19.79	9.36	9.33
29		3	231	-19.69	9.41	9.43
30		3	232	-19.59	9.46	9.53
31		3	233	-19.48	9.53	9.72
32		3	234	-19.26	9.57	9.86
33		3	235	-19.03	10.04	10.09
34		3	236	-18.97	10.13	10.14
35		3	237	-18.94	10.21	10.17
36		3	238	-19.05	10.28	10.06
37		3	239	-19.23	10.31	9.88
38		3	240	-19.26	10.35	9.85
39		3	241	-19.21	10.39	9.90
40		3	242	-18.96	10.44	10.15
41		3	243	-18.86	10.55	10.24
42		5	244	-19.83	11.27	9.27
43		5	245	-20.23	11.35	8.87
44		5	246	-20.81	11.40	8.29
45		5	247	-20.95	11.44	8.15
46		5	248	-20.75	11.49	8.35
47		5	249	-20.29	11.59	8.81
48		5	250	-20.12	12.04	8.99
49		5	251	-20.19	12.10	8.92
50		5	252	-20.21	12.14	8.90
51		5	253	-20.29	12.18	8.82
52		5	254	-20.39	12.21	8.72
53		5	255	-20.46	12.26	8.65
54		5	256	-20.47	12.31	8.64
55		5	257	-20.37	12.35	8.74
56		5	258	-20.15	12.38	8.96
57		5	259	-19.94	12.42	9.17
58		5	260	-19.66	12.46	9.45

5	261	-19.44	12.51	9.67	
7	262	-20.78	13.31	8.33	
7	263	-21.05	13.38	8.06	
7	264	-21.28	13.42	7.83	
7	265	-21.20	13.46	7.91	
7	266	-21.01	13.51	8.10	
7	267	-20.99	13.57	8.12	
7	268	-20.93	14.03	8.18	
7	269	-21.01	14.07	8.10	
7	270	-21.52	14.12	7.58	
7	271	-22.02	14.17	7.08	
7	272	-22.04	14.21	7.06	
7	273	-21.87	14.26	7.23	
7	274	-22.06	14.30	7.04	
7	275	-22.55	14.36	6.55	
7	276	-23.18	14.41	5.92	
7	277	-22.96	14.46	6.14	
7	278	-22.81	14.55	6.29	
10	279	-22.29	15.07	6.81	
10	280	-22.10	15.11	7.00	
10	281	-22.03	15.15	7.08	
10	282	-21.71	15.20	7.40	
10	283	-21.66	15.26	7.45	
10	284	-21.98	15.30	7.13	
10	285	-22.06	15.35	7.05	
10	286	-21.97	15.40	7.15	
10	287	-22.06	15.45	7.06	
10	288	-21.99	15.49	7.13	
10	289	-21.96	15.57	7.16	
10	290	-21.87	16.01	7.25	
10	291	-21.70	16.08	7.43	
11	292	-20.66	16.19	8.47	
11	293	-20.83	16.22	8.30	
11	294	-20.94	16.27	8.20	
11	295	-21.23	16.31	7.91	
<del>11</del>	<del>296</del>	<del>-20.76</del>	<del>16.30</del>	<del>8.00</del>	
11	296	-21.20	16.38	7.94	
11	297	-21.20	16.42	7.94	
11	298	-21.09	16.46	8.05	
11	299	-20.95	16.50	8.20	
11	300	-20.85	16.55	8.30	
11	301	-20.67	17.00	8.48	
11	302	-20.57	17.05	8.58	
11	303	-20.49	17.10	8.66	
11	304	-20.43	17.15	8.73	

9/7/82

BASE	SNUM	TIME	OBS	SHIFT
1	440	14.00	9.31	-19.69
2	440	15.14	9.36	-19.69
3	440	15.16	9.36	-19.69
4	440	16.37	9.38	-19.69
5	440	16.39	9.39	-19.69
6	440	17.25	9.48	-19.69

BASE	SNUM	DIFF	TIME	OBS
1	190	-20.00	14.06	9.00
1	191	-20.15	14.14	8.86
1	192	-20.11	14.21	8.90
1	193	-20.16	14.27	8.86
1	194	-20.24	14.37	8.78
1	195	-20.23	14.45	8.80
<del>1</del>	<del>196</del>	<del>-20.79</del>	<del>8.52</del>	<del>0.00</del>
1	196	-20.52	14.53	8.52
1	197	-20.77	15.00	8.27
1	198	-21.12	15.06	7.92
<del>1</del>	<del>199</del>	<del>-20.43</del>	<del>8.00</del>	<del>9.00</del>
3	199	-21.36	15.24	7.69
<del>3</del>	<del>200</del>	<del>-21.46</del>	<del>15.32</del>	<del>7.59</del>
3	200	-21.16	15.32	7.89
3	201	-21.41	15.38	7.65
3	202	-21.56	15.43	7.50
3	203	-21.16	15.56	7.90
3	204	-21.03	16.03	8.03
3	205	-21.11	16.07	7.95
3	206	-21.20	16.14	7.86
3	207	-20.87	16.19	8.20
3	208	-20.72	16.25	8.35
3	209	-20.63	16.30	8.44
5	210	-20.41	16.45	8.68
5	211	-20.17	16.50	8.93
5	212	-20.01	16.55	9.10
5	213	-19.89	17.03	9.24
5	214	-19.81	17.09	9.33
5	215	-19.72	17.17	9.43

11/7/82 LOWT

BASE	SNUM	TIME	OBS	SHIFT
1	439	16.09	7.91	-21.19
2	439	17.17	7.92	-21.19

BASE	SNUM	DIFF	TIME	OBS
1	375	-21.38	16.13	7.72
1	376	-21.71	16.19	7.39
1	377	-21.64	16.27	7.46
1	378	-21.68	16.32	7.42
1	379	-22.01	16.36	7.09
1	380	-22.03	16.40	7.07
1	381	-22.24	16.45	6.87
1	382	-20.71	16.53	8.40
1	383	-20.58	17.00	8.53
1	384	-20.21	17.04	8.90
1	385	-19.98	17.10	9.13

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BASE	SNUM	TIME	OBS	SHIFT
1	439	7.51	7.90	-21.19
2	439	9.42	7.96	-21.19
3	439	9.45	7.95	-21.19
4	439	11.22	7.96	-21.19
5	439	11.35	7.96	-21.19
6	439	13.05	7.95	-21.19
7	439	13.21	7.95	-21.19
8	439	14.43	7.91	-21.19

BASE	SNUM	DIFF	TIME	OBS
1	386	-19.98	7.59	9.11
1	387	-19.77	8.06	9.33
1	388	-19.67	8.12	9.43
1	389	-19.86	8.19	9.25
1	390	-19.70	8.29	9.41
1	391	-20.10	8.35	9.01
1	392	-20.07	8.41	9.05
1	393	-19.39	8.49	9.73
1	394	-19.32	9.10	9.81
1	395	-19.43	9.20	9.71
1	396	-19.28	9.25	9.86
1	397	-19.52	9.33	9.63
3	399	-20.53	9.49	8.61
3	399	-19.86	9.53	9.28
3	400	-19.15	10.07	9.99
<del>3</del>	<del>401</del>	<del>-19.16</del>	<del>10.14</del>	<del>9.98</del>
3	401	-19.16	10.14	9.98
3	402	-19.51	10.18	9.63
3	403	-19.89	10.23	9.25
3	404	-20.61	10.28	8.53
3	405	-20.45	10.34	8.78
3	406	-20.56	10.38	8.59
3	407	-20.53	10.42	8.62
3	408	-20.57	10.45	8.58
3	409	-20.40	10.50	8.75
3	410	-20.53	10.57	8.62
3	411	-20.44	11.03	8.71
3	412	-20.82	11.14	8.33
5	413	-21.29	11.42	7.86
5	414	-21.64	11.46	7.51
5	415	-21.93	11.50	7.22
5	416	-22.09	11.54	7.06
5	417	-22.36	11.58	6.79
5	418	-22.32	12.07	6.83
5	419	-22.02	12.29	7.12
5	420	-21.68	12.33	7.46
5	421	-21.34	12.37	7.80
5	422	-21.02	12.42	8.12
5	423	-21.28	12.46	7.86
5	424	-21.38	12.51	7.84
5	425	-20.96	12.54	8.18
5	426	-20.86	12.59	8.28
7	427	-20.99	13.25	8.15
7	428	-21.33	13.30	7.81
7	429	-21.33	13.34	7.80
7	430	-21.27	13.39	7.86
7	431	-21.02	13.42	8.11
7	432	-20.94	13.46	8.19
7	433	-20.48	13.55	8.64

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7	434	-20.11	14.01	9.01
7	435	-19.90	14.06	9.22
7	436	-19.31	14.10	9.01
7	437	-18.97	14.27	10.14
7	438	-18.89	14.33	10.21

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Order No 30673

1	0.8425	598035.0	433022.0	85.63	-20.96	0.20	
2	0.8426	598036.0	433022.0	85.15	-20.86	0.20	
3	0.8427	598037.0	432982.0	85.59	-20.99	0.21	
4	0.8428	598038.0	432982.0	87.07	-21.33	0.21	
5	0.8429	598040.0	432940.0	87.08	-21.33	0.20	
6	0.8430	598040.0	432922.0	87.29	-21.27	0.20	
7	0.8431	598040.0	432902.0	85.87	-21.02	0.21	
8	0.8432	598042.0	432881.0	85.52	-20.94	0.21	
9	0.8433	598042.0	432862.0	83.15	-20.48	0.21	
10	0.8434	598043.0	432842.0	81.11	-20.11	0.22	
11	0.8435	598044.0	432822.0	80.13	-19.90	0.22	
12	0.8436	598045.0	432803.0	77.04	-19.31	0.23	
13	0.8437	598050.0	432778.0	75.25	-18.97	0.22	
14	0.8438	598050.0	432758.0	74.92	-18.89	0.21	
15	0.8439	597948.0	433013.0	86.19	-21.19	0.23	
16	0.8440	598010.0	432392.0	78.83	-19.69	0.19	
17	0.8441	597919.0	432804.0	83.84	-20.96	0.24	
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1	0.8365	597867.0	432855.0	83.71	-21.06	0.17
2	0.8366	597866.0	432875.0	82.29	-20.75	0.18
3	0.8367	597865.0	432895.0	78.44	-19.94	0.20
4	0.8368	597864.0	432915.0	76.23	-19.40	0.20
5	0.8369	597948.0	432875.0	75.84	-19.20	0.21
6	0.8370	597948.0	432855.0	79.19	-19.76	0.19
7	0.8371	597948.0	432635.0	81.05	-20.34	0.18
8	0.8372	597948.0	432615.0	82.08	-20.44	0.18
9	0.8373	597948.0	432795.0	83.09	-20.66	0.19
10	0.8374	597948.0	432775.0	82.50	-20.52	0.19
11	0.8375	597948.0	433033.0	87.20	-21.38	0.21
12	0.8376	597948.0	433053.0	88.20	-21.71	0.19
13	0.8377	597948.0	433073.0	88.18	-21.64	0.18
14	0.8378	597948.0	433093.0	88.12	-21.68	0.17
15	0.8379	597948.0	433113.0	89.69	-22.01	0.17
16	0.8380	597948.0	433133.0	89.93	-22.03	0.17
17	0.8381	597948.0	433153.0	91.83	-22.24	0.17
18	0.8382	597853.0	433135.0	82.38	-20.71	0.16
19	0.8383	597854.0	433115.0	81.68	-20.58	0.16
20	0.8384	597855.0	433095.0	80.14	-20.21	0.15
21	0.8385	597856.0	433075.0	78.94	-19.98	0.15
22	0.8386	597856.0	433075.0	78.94	-19.98	0.15
23	0.8387	597857.0	433055.0	77.75	-19.77	0.16
24	0.8388	597858.0	433035.0	77.32	-19.67	0.16
25	0.8389	597859.0	433015.0	78.64	-19.86	0.17
26	0.8390	597860.0	432995.0	78.00	-19.70	0.17
27	0.8391	597861.0	432975.0	80.26	-20.10	0.18
28	0.8392	597862.0	432955.0	80.08	-20.07	0.19
29	0.8393	597863.0	432935.0	76.52	-19.39	0.18
30	0.8394	597948.0	432915.0	76.90	-19.32	0.19
31	0.8395	597948.0	432935.0	77.24	-19.43	0.19
32	0.8396	597948.0	432895.0	76.50	-19.28	0.20
33	0.8397	597948.0	432955.0	77.57	-19.52	0.19
34	0.8398	597948.0	432995.0	82.99	-20.53	0.19
35	0.8399	597948.0	432975.0	79.77	-19.86	0.19
36	0.8400	597998.0	432823.0	75.68	-19.15	0.18
37	0.8401	597998.0	432835.0	75.84	-19.16	0.17
38	0.8402	597998.0	432855.0	77.93	-19.51	0.19
39	0.8403	597998.0	432875.0	80.13	-19.89	0.19
40	0.8404	597998.0	432895.0	83.64	-20.61	0.18
41	0.8405	597998.0	432915.0	82.55	-20.45	0.17
42	0.8406	597998.0	432935.0	83.20	-20.56	0.17
43	0.8407	597998.0	432955.0	82.92	-20.53	0.17
44	0.8408	597998.0	432975.0	83.15	-20.57	0.18
45	0.8409	597998.0	432995.0	82.40	-20.40	0.19
46	0.8410	597998.0	433015.0	83.09	-20.53	0.20
47	0.8411	597998.0	433035.0	82.72	-20.44	0.18
48	0.8412	597998.0	433055.0	84.45	-20.82	0.19
49	0.8413	597998.0	433075.0	86.68	-21.29	0.19
50	0.8414	597998.0	433095.0	88.14	-21.64	0.19
51	0.8415	597998.0	433115.0	89.46	-21.93	0.17
52	0.8416	598000.0	433135.0	90.40	-22.09	0.18
53	0.8417	597998.0	433154.0	91.64	-22.36	0.17
54	0.8418	598020.0	433161.0	91.62	-22.32	0.18
55	0.8419	598020.0	433142.0	90.34	-22.02	0.19
56	0.8420	598021.0	433122.0	88.82	-21.68	0.20
57	0.8421	598072.0	433102.0	87.02	-21.34	0.22
58	0.8422	598033.0	433082.0	87.76	-21.18	0.22
59	0.8423	598034.0	433062.0	86.95	-21.08	0.21
60	0.8424	598035.0	433041.0	87.15	-21.01	0.21

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1	0.8245	597998.0	432435.0	81.88	-20.23	0.18		
2	0.8246	597998.0	432455.0	83.93	-20.81	0.18		
3	0.8247	597998.0	432475.0	84.62	-20.95	0.19		
4	0.8248	597998.0	432495.0	83.74	-20.75	0.18		
5	0.8249	597998.0	432515.0	81.72	-20.29	0.18		
6	0.8250	597998.0	432535.0	80.75	-20.12	0.18		
7	0.8251	597998.0	432555.0	80.71	-20.19	0.18		
8	0.8252	597998.0	432565.0	80.98	-20.21	0.18		
9	0.8253	597998.0	432575.0	81.24	-20.29	0.18		
10	0.8254	597998.0	432585.0	80.60	-20.39	0.19	87.6092	87.60
11	0.8255	597998.0	432595.0	81.87	-20.46	0.19		
12	0.8256	597998.0	432605.0	81.88	-20.47	0.19		
13	0.8257	597998.0	432615.0	81.37	-20.37	0.19		
14	0.8258	597998.0	432625.0	80.46	-20.15	0.19		
15	0.8259	597998.0	432635.0	79.54	-19.94	0.19		
16	0.8260	597998.0	432645.0	78.22	-19.66	0.20		
17	0.8261	597998.0	432655.0	77.21	-19.44	0.20		
18	0.8262	597948.0	432415.0	83.72	-20.70	0.17		
19	0.8263	597948.0	432395.0	85.05	-21.05	0.19		
20	0.8264	597948.0	432375.0	85.91	-21.28	0.20		
21	0.8265	597948.0	432355.0	85.47	-21.20	0.21		
22	0.8266	597948.0	432335.0	84.57	-21.01	0.21		
23	0.8267	597948.0	432315.0	84.40	-20.99	0.22		
24	0.8268	597948.0	432295.0	84.19	-20.93	0.23		
25	0.8269	597948.0	432275.0	84.54	-21.01	0.24		
26	0.8270	597948.0	432255.0	87.15	-21.52	0.26		
27	0.8271	597948.0	432235.0	89.44	-22.02	0.29		
28	0.8272	597948.0	432215.0	89.45	-22.04	0.30		
29	0.8273	597948.0	432195.0	88.86	-21.87	0.30		
30	0.8274	597948.0	432175.0	89.82	-22.06	0.31		
31	0.8275	597948.0	432155.0	92.28	-22.55	0.32		
32	0.8276	597903.0	432135.0	95.93	-23.18	0.32		
33	0.8277	597902.0	432155.0	94.77	-22.96	0.31		
34	0.8278	597901.0	432175.0	93.98	-22.81	0.30		
35	0.8279	597900.0	432195.0	91.51	-22.29	0.28		
36	0.8280	597899.0	432215.0	90.42	-22.10	0.26		
37	0.8281	597898.0	432235.0	90.06	-22.03	0.26		
38	0.8282	597897.0	432255.0	88.58	-21.71	0.24		
39	0.8283	597896.0	432275.0	88.25	-21.66	0.24		
40	0.8284	597895.0	432295.0	88.49	-21.98	0.23	97.84499	89.49
41	0.8285	597894.0	432315.0	89.69	-22.06	0.21		
42	0.8286	597893.0	432335.0	89.89	-21.97	0.20		
43	0.8287	597892.0	432355.0	89.41	-22.06	0.19		
44	0.8288	597891.0	432375.0	89.14	-21.99	0.18		
45	0.8289	597890.0	432395.0	88.95	-21.96	0.17		
46	0.8290	597889.0	432415.0	88.50	-21.87	0.17		
47	0.8291	597888.0	432435.0	87.63	-21.70	0.16		
48	0.8292	597948.0	432435.0	83.87	-20.66	0.17		
49	0.8293	597948.0	432455.0	83.65	-20.83	0.17		
50	0.8294	597948.0	432475.0	84.43	-20.94	0.18		
51	0.8295	597948.0	432495.0	85.76	-21.23	0.18		
52	0.8296	597948.0	432515.0	85.67	-21.20	0.18		
53	0.8297	597948.0	432535.0	85.68	-21.20	0.18		
54	0.8298	597948.0	432555.0	85.11	-21.09	0.18		
55	0.8299	597948.0	432565.0	84.52	-20.95	0.18		
56	0.8300	597948.0	432575.0	83.94	-20.85	0.17		
57	0.8301	597948.0	432585.0	83.21	-20.67	0.17		
58	0.8302	597948.0	432595.0	82.69	-20.57	0.17		
59	0.8303	597948.0	432605.0	82.24	-20.49	0.17		
60	0.8304	597948.0	432615.0	81.87	-20.42	0.17		

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1	0.8190	597998.0	432395.0	80.15	-20.00	0.17
2	0.8191	597998.0	432375.0	80.98	-20.15	0.18
3	0.8192	597998.0	432355.0	80.85	-20.11	0.19
4	0.8193	597998.0	432335.0	81.15	-20.16	0.20
5	0.8194	597998.0	432315.0	81.36	-20.24	0.21
6	0.8195	597998.0	432295.0	81.26	-20.23	0.22
7	0.8196	597998.0	432275.0	82.56	-20.52	0.23
8	0.8197	597998.0	432255.0	83.00	-20.77	0.25
9	0.8198	597998.0	432235.0	85.61	-21.12	0.27
10	0.8199	597998.0	432215.0	86.71	-21.36	0.28
11	0.8200	597998.0	432195.0	85.73	-21.16	0.29
12	0.8201	597998.0	432175.0	87.02	-21.41	0.29
13	0.8202	597998.0	432155.0	87.76	-21.56	0.30
14	0.8203	598048.0	432155.0	86.37	-21.16	0.27
15	0.8204	598048.0	432175.0	85.86	-21.03	0.27
16	0.8205	598048.0	432195.0	86.15	-21.11	0.26
17	0.8206	598048.0	432215.0	86.54	-20.20 -21.20	0.26
18	0.8207	598048.0	432235.0	84.68	-20.87	0.25
19	0.8208	598048.0	432255.0	84.03	-20.72	0.24
20	0.8209	598048.0	432275.0	83.71	-20.63	0.24
21	0.8210	598048.0	432295.0	82.66	-20.41	0.23
22	0.8211	598048.0	432315.0	81.01	-20.17	0.22
23	0.8212	598048.0	432335.0	80.04	-20.01	0.21
24	0.8213	598048.0	432355.0	80.21	-19.89	0.20
25	0.8214	598048.0	432375.0	79.89	-19.81	0.19
26	0.8215	598048.0	432395.0	79.45	-19.72	0.19
27	0.8216	598048.0	432395.0	79.45	-19.72	0.19
28	0.8217	598048.0	432415.0	77.07	-19.30	0.18
29	0.8218	598048.0	432435.0	76.18	-19.13	0.20
30	0.8219	598048.0	432455.0	77.85	-19.49	0.21
31	0.8220	598048.0	432475.0	79.07	-19.76	0.22
32	0.8221	598048.0	432495.0	79.62	-19.67	0.20
33	0.8222	598048.0	432515.0	77.64	-19.45	0.21
34	0.8223	598048.0	432535.0	78.98	-19.75	0.22
35	0.8224	598048.0	432555.0	80.12	-19.99	0.21
36	0.8225	598050.0	432565.0	80.15	-20.05	0.19
37	0.8226	598050.0	432575.0	80.09	-20.04	0.19
38	0.8227	598050.0	432585.0	80.00	-20.04	0.20
39	0.8228	598050.0	432595.0	79.74	-19.98	0.20
40	0.8229	598050.0	432605.0	79.27	-19.87	0.20
41	0.8230	598050.0	432615.0	79.92	-19.79	0.20
42	0.8231	598050.0	432625.0	78.82	-19.69	0.20
43	0.8232	598050.0	432635.0	77.99	-19.59	0.21
44	0.8233	598050.0	432645.0	77.15	-19.40	0.21
45	0.8234	598050.0	432655.0	76.38	-19.26	0.21
46	0.8235	598051.0	432665.0	75.45	-19.03	0.21
47	0.8236	598051.0	432675.0	74.13	-18.97	0.21
48	0.8237	598051.0	432685.0	75.20	-18.94	0.21
49	0.8238	598051.0	432695.0	75.72	-19.05	0.21
50	0.8239	598051.0	432705.0	76.57	-19.23	0.20
51	0.8240	598051.0	432715.0	76.65	-19.26	0.20
52	0.8241	598050.0	432725.0	76.38	-19.21	0.21
53	0.8242	598050.0	432735.0	75.45	-18.96	0.21
54	0.8243	598050.0	432745.0	74.84	-18.96	0.21
55	0.8244	597998.0	432715.0	74.84	-18.96	0.21

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ST NUMBER	EAST	NORTH	HEIGHT	OBS GRAY	THEO GRAY	CORRN	BA	COMMENT
8251. 8410	597998	433015	82.89	980.28158	980.29176	0.20	6.36	
8251. 8411	597998	433035	82.72	980.28167	980.29175	0.18	6.37	
8251. 8412	597998	433055	84.45	980.28128	980.29173	0.19	6.35	
8251. 8413	597998	433075	86.68	980.28081	980.29171	0.19	6.33	
8251. 8414	597998	433095	88.14	980.28046	980.29170	0.19	6.29	
8251. 8415	597998	433115	89.46	980.28016	980.29168	0.17	6.25	
8251. 8416	597998	433135	90.40	980.28000	980.29167	0.18	6.30	
8251. 8417	597998	433154	91.64	980.27973	980.29165	0.17	6.27	
8251. 8418	598030	433161	91.62	980.27977	980.29164	0.19	6.34	
8251. 8419	598030	433142	90.34	980.28007	980.29166	0.19	6.37	
8251. 8420	598031	433122	88.82	980.28041	980.29168	0.20	6.41	
8251. 8421	598032	433102	87.42	980.28076	980.29169	0.22	6.48	
8251. 8422	598033	433082	85.76	980.28108	980.29171	0.22	6.46	
8251. 8423	598034	433062	86.95	980.28082	980.29172	0.21	6.41	
8251. 8424	598035	433041	87.15	980.28080	980.29174	0.21	6.41	
8251. 8425	598035	433022	85.63	980.28114	980.29176	0.20	6.43	
8251. 8426	598036	433002	85.15	980.28124	980.29177	0.20	6.42	
8251. 8427	598037	432982	85.59	980.28111	980.29179	0.21	6.37	
8251. 8428	598038	432962	87.07	980.28077	980.29180	0.21	6.30	
8251. 8429	598040	432940	87.08	980.28077	980.29182	0.20	6.27	
8251. 8430	598040	432922	87.29	980.28083	980.29184	0.20	6.36	
8251. 8431	598040	432902	85.87	980.28108	980.29185	0.21	6.33	
8251. 8432	598042	432881	85.52	980.28116	980.29187	0.21	6.32	
8251. 8433	598042	432862	83.15	980.28163	980.29188	0.21	6.31	
8251. 8434	598043	432842	81.11	980.28200	980.29190	0.22	6.27	
8251. 8435	598044	432822	80.13	980.28221	980.29192	0.22	6.27	
8251. 8436	598045	432802	77.04	980.28281	980.29193	0.23	6.26	
8251. 8437	598050	432778	75.25	980.28315	980.29195	0.22	6.22	
8251. 8438	598050	432750	74.92	980.28323	980.29197	0.21	6.21	
8251. 8439	597948	433013	86.19	980.28091	980.29176	0.23	6.33	
8251. 8440	598010	432392	78.83	980.28242	980.29226	0.19	5.85	
8251. 8441	597919	432804	83.84	980.28114	980.29193	0.24	5.94	

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ST NUMBER	EAST	NORTH	HEIGHT	OBS GRAV	THEO GRAV	CORRN	GA	COMMENT
8251. 8355	597875.	432895.	79.37	980.28212	980.29202	0.16	5.87	
8251. 8356	597875.	432705.	79.13	980.28216	980.29201	0.16	5.87	
8251. 8357	597874.	432715.	79.27	980.28213	980.29201	0.16	5.88	
8251. 8358	597874.	432725.	79.32	980.28212	980.29200	0.17	5.89	
8251. 8359	597873.	432735.	79.60	980.28207	980.29199	0.19	5.93	
8251. 8360	597872.	432755.	80.07	980.28194	980.29197	0.17	5.88	
8251. 8361	597871.	432775.	80.80	980.28175	980.29196	0.17	5.87	
8251. 8362	597870.	432795.	81.55	980.28161	980.29194	0.18	5.89	
8251. 8363	597869.	432815.	82.54	980.28137	980.29192	0.17	5.95	
8251. 8364	597868.	432835.	83.37	980.28116	980.29191	0.17	5.82	
8251. 8365	597867.	432855.	83.71	980.28104	980.29189	0.17	5.78	
8251. 8366	597866.	432875.	82.29	980.28135	980.29188	0.18	5.84	
8251. 8367	597865.	432895.	78.44	980.28217	980.29186	0.20	5.94	
8251. 8368	597864.	432915.	76.23	980.28272	980.29184	0.20	6.06	
8251. 8369	597948.	432875.	75.84	980.28292	980.29188	0.21	6.17	
8251. 8370	597948.	432855.	79.19	980.28235	980.29189	0.19	6.23	
8251. 8371	597948.	432835.	81.05	980.28177	980.29191	0.18	5.98	
8251. 8372	597948.	432815.	82.02	980.28167	980.29192	0.18	6.07	
8251. 8373	597948.	432795.	83.09	980.28144	980.29194	0.19	6.04	
8251. 8374	597948.	432775.	82.50	980.28159	980.29196	0.19	6.05	
8251. 8375	597948.	433033.	87.20	980.28072	980.29175	0.21	6.33	
8251. 8376	597948.	433053.	86.80	980.28039	980.29173	0.19	6.31	
8251. 8377	597948.	433073.	88.12	980.28046	980.29172	0.18	6.26	
8251. 8378	597948.	433093.	88.12	980.28041	980.29170	0.17	6.22	
8251. 8379	597948.	433113.	89.69	980.28009	980.29168	0.17	6.21	
8251. 8380	597948.	433133.	89.93	980.28006	980.29167	0.17	6.25	
8251. 8381	597948.	433153.	91.83	980.27985	980.29165	0.17	6.43	
8251. 8382	597853.	433135.	82.38	980.28139	980.29167	0.16	6.09	
8251. 8383	597854.	433115.	81.68	980.28152	980.29168	0.16	6.07	
8251. 8384	597855.	433095.	80.14	980.28190	980.29170	0.15	6.11	
8251. 8385	597856.	433075.	78.94	980.28213	980.29172	0.15	6.09	
8251. 8386	597856.	433075.	78.94	980.28213	980.29172	0.15	6.09	
8251. 8387	597857.	433055.	77.75	980.28234	980.29173	0.16	6.06	
8251. 8388	597858.	433035.	77.32	980.28244	980.29175	0.16	6.06	
8251. 8389	597859.	433015.	78.64	980.28225	980.29176	0.17	6.13	
8251. 8390	597860.	432995.	78.00	980.28241	980.29178	0.17	6.14	
8251. 8391	597861.	432975.	80.26	980.28201	980.29180	0.18	6.18	
8251. 8392	597862.	432955.	80.08	980.28204	980.29181	0.19	6.17	
8251. 8393	597863.	432935.	76.52	980.28273	980.29183	0.18	6.13	
8251. 8394	597948.	432915.	76.90	980.28280	980.29184	0.19	6.27	
8251. 8395	597948.	432935.	77.24	980.28269	980.29183	0.19	6.24	
8251. 8396	597948.	432895.	76.50	980.28284	980.29186	0.20	6.22	
8251. 8397	597948.	432855.	77.57	980.28259	980.29181	0.19	6.23	
8251. 8398	597948.	432935.	82.99	980.28158	980.29170	0.19	6.31	
8251. 8399	597948.	432975.	79.77	980.28225	980.29179	0.19	6.31	
8251. 8400	597990.	432823.	75.68	980.28297	980.29192	0.18	6.12	
8251. 8401	597998.	432835.	75.84	980.28296	980.29191	0.17	6.14	
8251. 8402	597998.	432855.	77.93	980.28260	980.29189	0.19	6.23	
8251. 8403	597998.	432875.	80.13	980.28222	980.29187	0.19	6.30	
8251. 8404	597998.	432895.	83.64	980.28149	980.29186	0.18	6.27	
8251. 8405	597998.	432915.	82.55	980.28162	980.29184	0.17	6.23	
8251. 8406	597998.	432935.	83.20	980.28154	980.29183	0.17	6.25	
8251. 8407	597998.	432955.	80.97	980.28158	980.29184	0.17	6.24	
8251. 8408	597998.	432975.	83.15	980.28153	980.29179	0.18	6.29	
8251. 8409	597998.	432995.	81.40	980.28171	980.29178	0.19	6.27	

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ST NUMBER	EAST	NORTH	HEIGHT	OBS GRAV	THEO GRAV	CORRN	GA	COMMENT
8251. 8300	597948	432575	83.94	980.28125	980.29212	0.17	5.92	
8251. 8301	597948	432585	83.21	980.28143	980.29211	0.17	5.86	
8251. 8302	597948	432595	82.69	980.28153	980.29210	0.17	5.87	
8251. 8303	597948	432605	82.24	980.28162	980.29209	0.17	5.87	
8251. 8304	597948	432615	81.79	980.28168	980.29208	0.17	5.85	
8251. 8305	597948	432775	82.50	980.28160	980.29196	0.19	6.06	
8251. 8306	597948	432755	81.74	980.28177	980.29197	0.19	6.06	
8251. 8307	597948	432745	81.19	980.28189	980.29198	0.19	6.07	
8251. 8308	597948	432735	80.40	980.28204	980.29199	0.18	6.04	
8251. 8309	597948	432725	79.47	980.28225	980.29200	0.18	6.07	
8251. 8310	597948	432715	78.41	980.28245	980.29200	0.17	6.04	
8251. 8311	597948	432705	77.78	980.28254	980.29201	0.17	6.00	
8251. 8312	597948	432695	77.84	980.28252	980.29202	0.17	5.98	
8251. 8313	597948	432685	78.21	980.28242	980.29203	0.17	5.95	
8251. 8314	597948	432675	78.16	980.28242	980.29204	0.17	5.93	
8251. 8315	597948	432665	78.06	980.28244	980.29204	0.17	5.93	
8251. 8316	597948	432655	78.31	980.28241	980.29205	0.17	5.93	
8251. 8317	597948	432645	79.10	980.28223	980.29206	0.18	5.91	
8251. 8318	597948	432635	79.91	980.28209	980.29207	0.17	5.91	
8251. 8319	597948	432625	80.91	980.28189	980.29208	0.17	5.90	
8251. 8320	597948	432615	81.78	980.28170	980.29209	0.17	5.87	
8251. 8321	597998	432655	77.21	980.28266	980.29205	0.20	6.00	
8251. 8322	597998	432665	76.83	980.28276	980.29204	0.20	6.02	
8251. 8323	597998	432675	76.71	980.28280	980.29204	0.19	6.04	
8251. 8324	597998	432685	76.28	980.28289	980.29203	0.19	6.05	
8251. 8325	597998	432695	76.46	980.28284	980.29202	0.19	6.05	
8251. 8326	597998	432705	77.21	980.28270	980.29201	0.19	6.06	
8251. 8327	597998	432715	77.95	980.28252	980.29200	0.19	6.04	
8251. 8328	597998	432725	78.66	980.28239	980.29200	0.19	6.06	
8251. 8329	597998	432735	79.24	980.28228	980.29199	0.18	6.06	
8251. 8330	597998	432745	79.58	980.28221	980.29198	0.18	6.06	
8251. 8331	597998	432755	79.55	980.28222	980.29197	0.18	6.08	
8251. 8332	597998	432775	77.90	980.28258	980.29196	0.19	6.14	
8251. 8333	597998	432795	75.70	980.28301	980.29194	0.19	6.15	
8251. 8334	597888	432435	87.63	980.28040	980.29223	0.16	5.57	
8251. 8335	597887	432455	87.53	980.28044	980.29221	0.16	5.60	
8251. 8336	597886	432475	87.78	980.28040	980.29220	0.17	5.64	
8251. 8337	597885	432495	87.54	980.28039	980.29218	0.17	5.60	
8251. 8338	597884	432515	87.20	980.28047	980.29217	0.17	5.62	
8251. 8339	597883	432535	87.85	980.28032	980.29215	0.16	5.61	
8251. 8340	597883	432545	87.74	980.28034	980.29214	0.16	5.62	
8251. 8341	597882	432555	87.56	980.28039	980.29213	0.17	5.65	
8251. 8342	597882	432565	87.34	980.28042	980.29213	0.16	5.64	
8251. 8343	597881	432575	86.97	980.28046	980.29212	0.16	5.60	
8251. 8344	597881	432585	86.87	980.28051	980.29211	0.16	5.60	
8251. 8345	597880	432595	86.47	980.28055	980.29210	0.16	5.61	
8251. 8346	597880	432605	86.21	980.28060	980.29209	0.16	5.62	
8251. 8347	597879	432615	85.68	980.28070	980.29209	0.17	5.63	
8251. 8348	597879	432625	84.76	980.28093	980.29208	0.16	5.68	
8251. 8349	597878	432635	83.84	980.28115	980.29207	0.16	5.73	
8251. 8350	597878	432645	82.65	980.28142	980.29206	0.18	5.80	
8251. 8351	597877	432655	81.01	980.28171	980.29205	0.17	5.76	
8251. 8352	597877	432665	80.45	980.28190	980.29205	0.17	5.85	
8251. 8353	597876	432675	79.90	980.28203	980.29204	0.17	5.88	
8251. 8354	597876	432685	79.59	980.28217	980.29203	0.17	5.90	

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Ref. No.  
CALC. APPROX. ELEVATION, METER

ST NUMBER	EAST	NORTH	HEIGHT	OPS GRAY	THEO GRAY	CORN	BA	COMMENT
8251. 8245	597998	432435	81.00	980.28188	980.29223	0.18	5.76	
8251. 8246	597998	432455	83.93	980.28129	980.29221	0.18	5.77	
8251. 8247	597998	432475	84.62	980.28115	980.29220	0.19	5.79	
8251. 8248	597998	432495	83.74	980.28135	980.29218	0.18	5.82	
8251. 8249	597998	432515	81.72	980.28182	980.29217	0.18	5.91	
8251. 8250	597998	432535	80.75	980.28199	980.29215	0.18	5.90	
8251. 8251	597998	432555	80.71	980.28192	980.29213	0.18	5.84	
8251. 8252	597998	432565	80.98	980.28190	980.29212	0.18	5.89	
8251. 8253	597998	432575	81.24	980.28182	980.29212	0.18	5.86	
8251. 8254	597998	432585	81.60	980.28172	980.29211	0.19	5.85	
8251. 8255	597998	432595	81.87	980.28165	980.29210	0.19	5.84	
8251. 8256	597998	432605	81.88	980.28164	980.29209	0.19	5.84	
8251. 8257	597998	432615	81.37	980.28174	980.29208	0.18	5.84	
8251. 8258	597998	432625	80.46	980.28196	980.29208	0.18	5.89	
8251. 8259	597998	432635	79.54	980.28217	980.29207	0.19	5.94	
8251. 8260	597998	432645	78.22	980.28245	980.29206	0.20	5.98	
8251. 8261	597998	432655	77.21	980.28268	980.29205	0.20	6.01	
8251. 8262	597948	432415	83.72	980.28132	980.29225	0.17	5.71	
8251. 8263	597948	432395	85.05	980.28105	980.29226	0.19	5.71	
8251. 8264	597948	432375	85.91	980.28082	980.29228	0.20	5.64	
8251. 8265	597948	432355	85.47	980.28090	980.29229	0.21	5.63	
8251. 8266	597948	432335	84.57	980.28109	980.29231	0.21	5.62	
8251. 8267	597948	432315	84.40	980.28111	980.29233	0.22	5.61	
8251. 8268	597948	432295	84.19	980.28117	980.29234	0.23	5.62	
8251. 8269	597948	432275	84.54	980.28109	980.29236	0.24	5.60	
8251. 8270	597948	432255	87.15	980.28058	980.29237	0.26	5.60	
8251. 8271	597948	432235	89.44	980.28007	980.29239	0.29	5.56	
8251. 8272	597948	432215	89.45	980.28005	980.29241	0.30	5.54	
8251. 8273	597948	432195	88.86	980.28022	980.29242	0.30	5.58	
8251. 8274	597948	432175	89.82	980.28003	980.29244	0.31	5.57	
8251. 8275	597948	432155	92.28	980.27954	980.29246	0.32	5.55	
8251. 8276	597903	432135	95.93	980.27890	980.29247	0.32	5.62	
8251. 8277	597902	432155	94.77	980.27912	980.29246	0.31	5.62	
8251. 8278	597901	432175	93.98	980.27927	980.29244	0.30	5.62	
8251. 8279	597900	432195	91.51	980.27990	980.29242	0.29	5.65	
8251. 8280	597899	432215	90.42	980.27999	980.29241	0.26	5.62	
8251. 8281	597898	432235	90.06	980.28006	980.29239	0.26	5.64	
8251. 8282	597897	432255	88.59	980.28039	980.29238	0.24	5.67	
8251. 8283	597896	432275	88.25	980.28044	980.29236	0.24	5.67	
8251. 8284	597895	432295	89.49	980.28011	980.29234	0.23	5.60	
8251. 8285	597894	432315	89.69	980.28003	980.29233	0.21	5.56	
8251. 8286	597893	432335	89.09	980.28012	980.29231	0.20	5.53	
8251. 8287	597892	432355	89.41	980.28003	980.29230	0.19	5.51	
8251. 8288	597891	432375	89.14	980.28010	980.29229	0.18	5.54	
8251. 8289	597890	432395	88.95	980.28013	980.29226	0.17	5.54	
8251. 8290	597889	432415	88.50	980.28022	980.29225	0.17	5.55	
8251. 8291	597888	432435	87.63	980.28039	980.29223	0.16	5.56	
8251. 8292	597948	432435	83.07	980.28144	980.29223	0.17	5.72	
8251. 8293	597948	432455	83.65	980.28127	980.29221	0.17	5.68	
8251. 8294	597948	432475	84.43	980.28116	980.29220	0.18	5.75	
8251. 8295	597948	432495	85.76	980.28087	980.29218	0.18	5.74	
8251. 8296	597948	432515	85.67	980.28090	980.29217	0.18	5.76	
8251. 8297	597948	432535	85.60	980.28090	980.29217	0.18	5.78	
8251. 8298	597948	432555	85.41	980.28101	980.29213	0.18	5.80	
8251. 8299	597948	432565	84.52	980.28115	980.29213	0.18	5.81	

ST NUMBER	EAST	NORTH	HEIGHT	OBS GRAV	THEO GRAV	CORRN	BA	COMMENT
8251.8190	597998	432395	80.15	980.28211	980.29226	0.17	5.78	
8251.8191	597998	432375	80.90	980.28196	980.29228	0.18	5.79	
8251.8192	597998	432355	80.85	980.28200	980.29229	0.19	5.80	
8251.8193	597998	432335	81.15	980.28195	980.29231	0.20	5.80	
8251.8194	597998	432315	81.36	980.28187	980.29233	0.21	5.75	
8251.8195	597998	432295	81.26	980.28189	980.29234	0.22	5.74	
8251.8196	597998	432275	82.56	980.28159	980.29236	0.23	5.70	
8251.8197	597998	432255	83.80	980.28133	980.29237	0.25	5.69	
8251.8198	597998	432235	85.61	980.28098	980.29239	0.27	5.70	
8251.8199	597998	432215	86.71	980.28074	980.29241	0.28	5.67	
8251.8200	597998	432195	85.73	980.28094	980.29242	0.29	5.67	
8251.8201	597998	432175	87.82	980.28069	980.29244	0.29	5.65	
8251.8202	597998	432155	87.76	980.28054	980.29246	0.30	5.64	
8251.8203	598048	432155	86.37	980.28094	980.29245	0.27	5.74	
8251.8204	598048	432175	85.86	980.28107	980.29244	0.27	5.79	
8251.8205	598048	432195	86.15	980.28099	980.29242	0.26	5.77	
8251.8206	598048	432215	86.54	980.28090	980.29241	0.26	5.77	
8251.8207	598048	432235	84.68	980.28123	980.29239	0.25	5.75	
8251.8208	598048	432255	84.03	980.28138	980.29237	0.24	5.78	
8251.8209	598048	432275	83.71	980.28147	980.29236	0.24	5.82	
8251.8210	598048	432295	82.65	980.28170	980.29234	0.23	5.84	
8251.8211	598048	432315	81.81	980.28194	980.29233	0.22	5.92	
8251.8212	598048	432335	80.84	980.28210	980.29231	0.21	5.90	
8251.8213	598048	432355	80.21	980.28222	980.29229	0.20	5.90	
8251.8214	598048	432375	79.89	980.28230	980.29228	0.19	5.93	
8251.8215	598048	432395	79.45	980.28239	980.29226	0.19	5.95	
8251.8216	598048	432395	79.45	980.28239	980.29226	0.19	5.95	
8251.8217	598048	432415	77.07	980.28282	980.29225	0.18	5.91	
8251.8218	598048	432435	76.18	980.28299	980.29223	0.20	5.94	
8251.8219	598048	432455	77.05	980.28262	980.29221	0.21	5.93	
8251.8220	598048	432475	79.07	980.28235	980.29220	0.22	5.93	
8251.8221	598048	432495	78.62	980.28244	980.29218	0.20	5.93	
8251.8222	598049	432515	77.64	980.28266	980.29216	0.21	5.98	
8251.8223	598049	432535	78.98	980.28236	980.29215	0.22	5.97	
8251.8224	598049	432555	80.12	980.28212	980.29213	0.21	5.96	
8251.8225	598050	432565	80.15	980.28206	980.29212	0.19	5.89	
8251.8226	598050	432575	80.09	980.28207	980.29212	0.19	5.90	
8251.8227	598050	432585	80.00	980.28207	980.29211	0.20	5.90	
8251.8228	598050	432595	79.74	980.28213	980.29210	0.20	5.91	
8251.8229	598050	432605	79.27	980.28224	980.29209	0.20	5.94	
8251.8230	598050	432615	78.92	980.28232	980.29208	0.20	5.96	
8251.8231	598050	432625	78.52	980.28242	980.29208	0.20	5.99	
8251.8232	598050	432635	77.99	980.28252	980.29207	0.21	6.01	
8251.8233	598050	432645	77.15	980.28272	980.29206	0.21	6.04	
8251.8234	598050	432655	76.38	980.28286	980.29205	0.21	6.04	
8251.8235	598051	432665	75.45	980.28309	980.29204	0.21	6.10	
8251.8236	598051	432675	75.13	980.28315	980.29204	0.21	6.10	
8251.8237	598051	432685	75.20	980.28318	980.29203	0.21	6.15	
8251.8238	598051	432695	75.72	980.28307	980.29202	0.21	6.15	
8251.8239	598051	432705	76.57	980.28289	980.29201	0.20	6.14	
8251.8240	598051	432715	76.65	980.28286	980.29200	0.20	6.13	
8251.8241	598050	432725	76.39	980.28291	980.29200	0.21	6.15	
8251.8242	598050	432735	75.45	980.28316	980.29199	0.21	6.22	
8251.8243	598050	432745	74.84	980.28316	980.29198	0.21	6.11	
8251.8244	597998	432415	79.35	980.28220	980.29220	0.17	5.81	

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SURVEY  
NUMBER 8251

DATUM  
REFERENCE STATION 6491.9139  
VALUE (IN MGALS) 980302.29  
DATE (DECIMAL) 000064

METER  
NUMBER G473  
SCALE CONSTANT 1.00900  
CALIBRATION DATE 9 00000

FIELD DATA  
ELEVATION  
IN METRES 1  
IN FEET 0  
STATION POSITIONS  
IN GRID COORDS 1  
IN LAT/LONG 0  
OBSERVED GRAVITY  
IN MGALS 0  
IN SCALE DIVS 1

OUTPUT DATA  
BOUGUER DENSITY 2.67  
ELEVATION  
IN METRES 1  
IN FEET 0  
ELEVATION DATUM CHANGE 0.00  
STATION POSITIONS  
IN GRID COORDS 1  
IN LAT/LONG 0

CSR FORESTER CREEK 9/7/1982-12/7/1982 (CSR002)

APPENDIX VIII

MAGNETOMETER SURVEY, FORESTER CREEK AREA

STN	TIME	READINGS		CORRECTED READING
1/0	9.39.30	61809	61809	61809
1/105	9.40.30	61811	61810	61811
1/205	9.41.15	61810	61810	61810
1/305	9.42	61811	61811	61811
1/405	9.42.30	61811	61810	61811
1/505	9.43.15	61811	61810	61811
1/605	9.44.30	61812	61811	61812
1/705	9.45.15	61812	61812	61812
1/805	9.46	61812	61812	61812
1/905	9.46.30	61812	61813	61813
1/1005	9.47.30	61812	61813	61813
1/1205	9.48.15	61813	61812	61813
1/1405	9.52	61813	61813	61813
1/1605	9.54	61814	61814	61814
1/1805	9.55	61814	61814	61814
1/2005	9.56	61814	61813	61814
1/2205	9.56.30	61813	61813	61813
1/2405	9.57.30	61814	61814	61814
1/2605	9.58.30	61814	61814	61814
1/2805	9.59.30	61814	61813	61814
1/3005	10.00.30	61814	61814	61814
1/3205	10.01	61814	61813	61814
1/3405	10.02	61814	61813	61814
1/3605	10.03	61814	61814	61814
1/3805	10.04	61814	61815	61815
1/4005	10.04.30	61815	61814	61815
1/4205	10.05.15	61815	61814	61815
1/4405	10.06	61814	61813	61814
1/4605	10.06.45	61813	61813	61813
1/4805	10.07.30	61813	61813	61813
1/5005	10.08.30	61814	61814	61815
2/5005	10.09.45	61814	61814	61815
2/4805	10.10.30	61814	61814	61815

2/460S	10.11.15	61813	61813	61814
2/440S	10.12.15	61814	61815	61815
2/420S	10.13	61814	61814	61815
2/400S	10.13.30	61814	61813	61814
2/380S	10.14.15	61814	61814	61815
2/360S	10.15	61813	61812	61813
2/340S	10.15.45	61813	61813	61814
2/320S	10.16.30	61813	61814	61814
2/300S	10.17.15	61812	61812	61813
2/280S	10.18	61812	61812	61813
2/260S	10.18.45	61812	61812	61813
2/240S	10.19.30	61812	61811	61812
2/220S	10.20.15	61811	61811	61812
2/200S	10.21	61811	61811	61812
2/180S	10.21.45	61812	61811	61812
2/160S	10.22.30	61811	61811	61812
2/140S	10.25.30	61810	61810	61811
2/120S	10.26.30	61811	61810	61811
2/100S	10.27.15	61811	61811	61812
2/90S	10.28	61811	61811	61812
2/80S	10.28.45	61809	61809	61810
2/70S	10.29.15	61809	61808	61809
2/60S	10.29.45	61809	61809	61810
2/50S	10.30.30	61809	61809	61810
2/40S	10.31.15	61809	61809	61810
2/30S	10.31.45	61810	61809	61810
2/20S	10.32.30	61808	61809	61809
2/10S	10.33	61809	61809	61810
2/08	10.33.45	61808	61808	61809
1/0	10.35	61808	61808	61809
1/10N	10.37.30	61808	61808	61808
1/20N	10.38.15	61808	61808	61808
1/30N	10.39.15	61808	61808	61808
1/40N	10.40	61807	61807	61807

61809	61809	61809	11.15.30	N08/E
61810	61810	61810	11.14.15	N08/W
61806	61806	61806	11.13	N08/E
61806	61806	61806	11.12.15	N08/W
61809	61809	61809	11.11.15	N08/W
61806	61806	61806	11.10.15	N08/E
61809	61809	61809	11.09.15	N08/E
61804	61804	61804	11.06	N08/W
61804	61804	61804	11.05.30	N08/W
61805	61805	61805	11.04.30	N08/W
61804	61804	61804	11.04	N08/W
61805	61805	61805	11.03	N08/W
61805	61805	61805	11.02	N08/W
61805	61805	61805	11.01.15	N08/E
61806	61806	61806	11.00.30	N08/W
61806	61806	61806	10.59.45	N08/E
61806	61806	61806	10.59	N08/E
61807	61807	61807	10.58.15	N08/W
61804	61804	61804	10.57.30	N08/W
61807	61807	61807	10.56.30	N08/W
61806	61806	61806	10.55.45	N08/W
61806	61806	61806	10.55	N08/W
61806	61806	61806	10.54	N08/W
61806	61806	61806	10.52.45	N08/W
61806	61806	61806	10.51.15	N08/W
61807	61807	61807	10.50	N08/W
61806	61806	61806	10.48.15	N08/W
61805	61805	61805	10.46.30	N08/W
61807	61807	61807	10.44.30	N08/W
61807	61807	61807	10.42.45	N08/W
61808	61808	61808	10.42.15	N08/W
61808	61808	61808	10.41.30	N08/W
61808	61808	61808	10.40.45	N08/W

61808	61808	61808	11.33.30	2/28N
61808	61808	61808	11.52.45	2/28N
61808	61808	61808	11.52	2/27N
61808	61808	61807	11.51.30	2/26N
61808	61808	61807	11.50.45	2/25N
61808	61808	61808	11.50	2/24N
61808	61808	61807	11.49.15	2/23N
61808	61808	61808	11.48.30	2/22N
61808	61808	61808	11.47.45	2/10N
61809	61809	61809	11.45.30	2/0
61808	61808	61808	11.43	0/0
61808	61807	61808	11.42.15	3/10N
61808	61808	61807	11.41.30	3/0N
61808	61808	61807	11.41	3/0N
61808	61808	61807	11.40.15	3/0N
61808	61808	61808	11.39.45	3/20N
61808	61807	61808	11.39	3/0N
61808	61807	61808	11.38.30	3/70N
61809	61809	61809	11.37.45	3/20N
61809	61809	61809	11.37	3/40N
61808	61808	61808	11.35.45	3/100N
61808	61808	61808	11.34.45	3/120N
61809	61809	61808	11.34	3/100N
61808	61808	61808	11.33.15	3/160N
61810	61810	61809	11.32.15	3/110N
61811	61810	61811	11.31.30	3/120N
61809	61809	61809	11.30.30	3/200N
61809	61809	61809	11.29.45	3/400N
61809	61809	61809	11.22.30	3/600N
61809	61809	61809	11.21.15	3/200N
61809	61809	61808	11.19.45	3/300N
61808	61808	61807	11.18	3/320N
61809	61809	61809	11.17	3/400N
61809	61808	61809	11.16.15	3/600N

2/100N	11.54	61808	61808	61805
2/120N	11.55	61809	61808	61809
2/140N	11.56	61808	61809	61809
2/160N	11.58.30	61810	61810	61809
2/180N	11.59.30	61809	61809	61808
2/200N	12.00.30	61809	61808	61808
2/220N	12.01.30	61808	61808	61807
2/240N	12.02.15	61811	61810	61810
2/260N	12.03.15	61809	61809	61808
2/280N	12.04	61808	61806	61805
2/300N	12.04.45	61809	61809	61808
2/320N	12.05.30	61803	61803	61802
2/340N	12.06.30	61813	61813	61812
2/360N	12.09.45	61809	61808	61808
2/380N	12.11.30	61807	61808	61806
2/400N	12.16.15	61808	61808	61806
2/420N	12.17.15	61808	61809	61807
2/440N	12.18.15	61808	61808	61806
2/460N	12.19.15	61807	61807	61805
2/480N	12.20.15	61808	61807	61806
2/500N	12.21	61809	61808	61807
1/0	12.37	61812	61812	61809
3/10S	12.40.30	61812	61811	61809
3/20S	12.41.15	61812	61812	61809
3/30S	12.42	61811	61811	61809
3/40S	12.42.30	61812	61811	61809
3/50S	12.43.15	61812	61812	61809
3/60S	12.44	61811	61811	61808
3/70S	12.44.45	61812	61812	61809
3/80S	12.45.30	61811	61811	61808
3/90S	12.46.15	61812	61812	61809
3/100S	12.47	61811	61812	61809
3/120S	12.47.30	61813	61813	61810
3/140S	12.48.15	61813	61813	61810

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3/1605	12.49	61812	61812	61809
3/1805	12.50.15	61814	61815	61811
3/2005	12.51.15	61814	61814	61810
3/2205	12.52.30	61814	61813	61810
3/2405	12.53.30	61815	61815	61811
3/2605	12.54.30	61816	61816	61812
3/2805	12.55.30	61815	61815	61811
3/3005	12.56.30	61816	61816	61812
3/3205	12.57.15	61816	61816	61812
3/3405	12.58	61815	61815	61811
3/3605	12.58.45	61815	61815	61812
3/3805	12.59.30	61816	61816	61812
3/4005	13.00.30	61816	61816	61811
3/4205	13.01.15	61816	61816	61811
3/4405	13.02	61816	61816	61811
3/4605	13.02.45	61815	61816	61811
3/4805	13.03.30	61816	61815	61811
3/5005	13.04.30	61816	61815	61811
1/0	13.11	61814	61814	61809
1/3205	9.04.45	61811	61811	61814
4/5005	9.08.30	61809	61809	61812
4/4805	9.09.30	61810	61809	61813
4/4605	9.10.30	61809	61809	61812
4/4405	9.11.15	61808	61809	61812
4/4205	9.12	61809	61808	61812
4/4005	9.13	61808	61809	61812
4/3805	9.13.30	61809	61808	61812
4/3605	9.15	61808	61809	61812
4/3405	9.15.45	61808	61809	61812
4/3205	9.16.30	61809	61810	61813
4/3005	9.17.15	61808	61808	61811
4/2805	9.19	61808	61809	61811
4/2605	9.19.45	61808	61809	61812
4/2405	9.19.30	61808	61808	61811

4/220S	9-20	61808	61808	61811
4/200S	9-20-45	61808	61807	61811
4/180S	9-21-45	61807	61807	61810
4/160S	9-22-45	61807	61807	61810
4/140S	9-23-15	61807	61807	61810
4/120S	9-24-15	61813	61812	61816
4/100S	9-25	61807	61808	61811
4/90S	9-25-30	61807	61808	61811
4/80S	9-26-15	61808	61808	61811
4/70S	9-26-45	61809	61808	61812
4/60S	9-27-30	61807	61807	61810
4/50S	9-28-15	61807	61808	61811
4/40S	9-28-45	61807	61808	61811
4/30S	9-29-30	61807	61806	61810
4/20S	9-30	61807	61806	61810
4/10S	9-30-45	61806	61805	61809
4/0	9-31-30	61805	61806	61809
4/10N	9-32-15	61805	61805	61808
4/20N	9-32-45	61806	61805	61809
4/30N	9-33-30	61805	61806	61809
4/40N	9-34	61806	61806	61809
4/50N	9-34-45	61805	61806	61809
4/60N	9-35-30	61806	61806	61809
4/70N	9-36-30	61806	61806	61810
4/80N	9-37-15	61804	61805	61809
4/90N	9-38	61805	61804	61809
4/100N	9-38-30	61806	61805	61810
4/120N	9-39-30	61804	61803	61808
4/140N	9-40-15	61807	61806	61811
4/160N	9-41	61806	61805	61810
4/180N	9-41-45	61806	61806	61810
4/200N	9-42-30	61807	61806	61811
4/220N	9-43-15	61807	61807	61811
4/240N	9-44	61808	61808	61812

4/260N	9.44.45	61808	61808	61812
4/280N	9.45.30	61809	61808	61813
4/300N	9.50	61810	61811	61815
4/320N	9.51	61813	61814	61818
4/340N	9.51.45	61815	61815	61819
4/360N	9.52.45	61817	61816	61821
4/380N	9.53.30	61815	61816	61820
4/400N	9.54.15	61815	61815	61819
4/420N	9.55.15	61814	61815	61819
4/440N	9.56.45	61815	61814	61819
4/460N	9.58	61814	61814	61818
4/480N	9.58.45	61811	61812	61816
4/500N	9.59.30	61810	61810	61814
1/320S	10.09	61810	61810	61814

APPENDIX IX

SCINTILLOMETER SURVEY, FORESTER CREEK AREA

Survey completed using a <sup>Gamma Ray Sensor.</sup> GSP-3<sub>1</sub> with a 3" x 3" NaI(Tl) crystal  
 with a sensitive volume of 348 cm<sup>3</sup>  
 and a GAD-6 Gamma-Ray Spectrometer.

Gamma rays were detected over a 30 second period

Background values were determined over 3m of water in Georges  
 Bay ~~Bay~~

Standards US-1 and tS-1 were read at the beginning  
 and end of the survey

US-1	activity of 1.15 microcuries	at 1.764 meV	- U
tS-1	" " 2.02 "	at 2.615 meV	- Th.

Station	Time	Differential Non Stripped			Differential Compen Stripped				
		Total Count	K	U	Ta	Total Count	K	U	Ta
45-1	10.15	48105	3969	3688	5452	47714	2	17	5360
		48364	4059	3724	5509	48339	3	0	5603
		47593	4097	3714	5425	48540	18	6	5474
45-1	10.20	44677	1922	2733	155	44438	256	1973	137
		44112	1787	2050	122	44272	139	1975	127
		44528	1801	2112	132	44257	253	1911	148
1/5005	10.30	9130	88	66	37	9213	31	49	26
1/4805	10.34	9629	117	81	47	9377	47	33	43
1/4605	10.37	9921	214	57	39	9590	131	31	32
1/4405	10.39	9978	234	49	52	9529	184	21	35
1/4205	10.42	9356	228	42	24	9706	177	18	35
1/4005	10.46	10039	266	51	30	10173	210	26	35
1/3805	10.47	10395	276	56	46	10343	219	29	42
1/3605	10.49	10216	290	51	49	10113	214	35	50
1/3405	10.51	11139	296	75	66	11149	231	34	72
1/3205	10.54	10874	221	65	57	10945	149	54	50
1/3005	10.57	10439	242	61	54	10270	163	33	41
1/2805	10.59	11583	314	88	62	11265	219	36	69
1/2605	11.01	10583	205	70	47	10585	164	43	44
1/2405	11.03	10586	266	62	42	10398	208	29	39
1/2205	11.05	10312	164	73	42	10149	95	32	50
1/2005	11.07	10989	272	78	60	11150	185	45	63
1/1805	11.09	9510	122	53	28	9403	89	15	32
1/1605	11.11	9099	66	33	20	9047	21	26	31
1/1405	11.13	9441	91	59	28	9355	33	38	29
1/1205	11.15	8982	62	45	22	8867	48	17	21
1/1005	11.17	8880	69	42	25	9031	32	13	30
1/905	11.19	9051	76	49	35	9177	14	35	33
1/805	11.21	9021	82	45	29	9330	33	26	27
1/705	11.23	8909	65	47	25	8820	32	18	31
1/605	11.24	8790	48	43	27	8837	2	21	30
1/505	11.21	8467	17	17	73	8074	10	32	26

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1/40S	11.28	9227	62	55	17	9024	18	24	25
1/30S	11.29	9157	61	52	30	9163	25	32	24
1/20S	11.31	9144	75	54	31	9329	41	21	31
1/10S	11.33	9679	118	56	38	9438	58	27	35
1/0	11.37	9884	146	66	35	9924	98	24	46
1/10N	11.40	10253	186	68	61	10232	112	43	47
1/20N	11.42	9592	100	60	29	9642	50	32	35
1/30N	11.44	9186	94	34	31	9276	38	27	23
1/40N	11.46	10695	217	71	56	10613	184	44	54
1/50N	11.48	9933	183	63	33	10118	140	18	40
1/60N	11.50	10442	193	64	56	10256	113	39	39
1/70N	11.52	10613	193	82	43	10831	139	32	66
1/80N	11.54	11371	325	79	50	11144	225	19	65
1/90N	11.56	10565	236	62	44	10685	176	37	43
2/100N	11.58	10561	250	77	50	10831	186	12	65
2/120N	12.00	11338	277	65	53	11206	233	31	48
2/100N	12.02	10799	256	78	52	10927	175	20	72
2/90N	12.04	10120	269	60	37	9990	145	33	24
2/80N	12.06	10626	234	56	49	10705	183	49	34
2/70N	12.07	10752	234	67	50	10494	185	39	48
2/60N	12.09	10483	219	56	43	10342	140	45	33
2/50N	12.11	10816	290	83	54	10987	189	40	47
2/40N	12.13	10536	219	67	45	10705	174	56	34
2/30N	12.15	9364	112	72	27	9247	59	24	44
2/20N	12.17	10423	208	64	63	10297	116	32	65
2/10N	12.18	9864	169	55	52	9570	107	34	47
2/0	12.20	9271	129	50	33	9325	61	20	44
2/10S	12.22	8650	64	40	24	8644	20	23	30
2/20S	12.23	8635	49	30	14	8432	24	15	19
2/30S	12.25	8593	72	42	35	8726	48	32	26
2/40S	12.27	9080	100	67	45	8993	52	40	30
2/50S	12.29	9402	129	59	46	9394	68	28	44
2/60S	12.30	9264	115	66	54	9213	58	19	48
2/70S	12.32	9124	105	50	32	9271	65	43	28

2/80S	12-34	9717	146	66	42	9601	77	38	43
2/90S	12-36	9276	153	54	37	9392	75	45	36
2/100S	12-38	9128	140	48	27	8888	86	20	32
2/120S	12-39	9170	104	58	31	9034	57	34	29
2/140S	12-41	8156	44	27	12	8235	25	17	12
2/160S	12-43	8415	69	31	10	8052	21	20	19
2/180S	12-45	8947	94	45	30	9131	57	16	32
2/200S	12-47	9521	162	65	45	9609	108	31	39
2/220S	12-48	9756	212	56	36	9954	187	23	36
2/240S	12-50	8871	90	43	33	8978	21	34	31
2/260S	12-52	8937	127	45	20	8978	127	18	23
2/280S	12-54	9150	129	29	30	9137	116	18	28
2/300S	12-56	8796	108	46	26	8836	66	29	23
2/320S	12-58	10723	251	79	58	10821	212	42	53
2/340S	13-00	9511	127	71	38	9793	81	29	51
2/360S	13-02	8877	93	45	23	8750	58	25	16
2/380S	13-03	8821	131	42	20	8870	110	22	19
2/400S	13-05	8666	97	34	21	8441	81	17	19
2/420S	13-07	8768	120	31	23	8848	89	17	24
2/440S	13-09	9057	175	51	32	9322	136	24	33
2/460S	13-11	9840	168	59	40	10039	120	41	37
2/480S	13-13	9163	152	47	28	9254	120	26	34
2/500S	13-15	9467	183	66	36	9670	97	29	47
3/500S	13-17	8863	139	29	27	9027	140	21	22
3/480S	13-19	9064	155	40	23	8976	126	8	25
3/460S	13-21	9483	148	50	33	9545	117	24	30
3/440S	13-22	8847	157	43	29	9220	119	30	29
3/420S	13-24	8477	92	25	25	8508	46	16	18
3/400S	13-26	7998	37	23	16	8210	30	15	7
3/380S	13-28	9017	86	46	27	9193	54	30	36
3/360S	13-30	8803	101	40	33	9033	74	34	27
3/340S	13-32	9102	125	43	35	9171	94	26	22
3/320S	13-33	9502	110	51	29	9477	76	23	37
3/300S	13-35	8746	52	34	16	8750	24	26	16

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3/280S	13.37	9008	71	55	28	8972	45	25	20
3/260S	13.39	9090	106	37	27	8984	59	12	32
3/240S	13.41	9373	97	45	41	9484	50	28	38
3/220S	13.42	9299	86	48	24	9348	39	43	22
3/200S	13.43	9952	183	41	32	9832	91	21	46
3/180S	13.45	8990	86	31	24	9018	50	26	25
3/160S	13.47	8858	52	32	20	8594	16	24	16
3/140S	13.49	8432	38	30	16	8665	25	10	19
3/120S	13.51	8392	35	27	6	8229	9	8	9
3/100S	13.53	8201	33	25	10	8544	22	17	14
3/90S	13.55	8439	32	16	12	8365	32	9	12
3/80S	13.57	8616	44	22	12	8413	8	18	12
3/70S	13.59	8696	40	37	20	8723	18	17	24
3/60S	14.00	8978	58	37	23	8824	18	30	19
3/50S	14.02	9038	60	46	21	9022	15	18	30
3/40S	14.04	9272	76	43	37	9046	25	28	32
3/30S	14.05	8862	68	39	19	9069	42	5	48
3/20S	14.07	9335	90	33	22	9205	50	18	33
3/10S	14.09	9188	88	40	42	9185	45	30	30
3/0	14.11	9324	80	53	29	9230	48	28	20
3/10N	14.25	9719	120	66	33	9413	66	29	24
3/20N	14.27	9771	165	49	32	9725	100	44	30
3/30N	14.28	9783	187	57	48	9715	134	41	29
3/40N	14.30	10211	169	52	43	10002	136	30	46
3/50N	14.32	9576	125	56	30	9793	82	34	31
3/60N	14.34	11115	305	75	58	11088	231	19	73
3/70N	14.36	11365	305	92	58	11587	243	57	62
3/80N	14.37	11498	329	84	54	11328	273	28	71
3/90N	14.39	11191	327	75	62	11180	251	36	43
3/100N	14.41	11352	310	68	81	11405	231	28	66
3/120N	14.42	10784	253	65	68	10945	199	6	80
3/140N	14.44	10207	176	64	51	10417	107	26	50
3/160N	14.46	10734	253	76	51	10922	168	16	72
3/180N	14.48	11183	292	90	47	11063	203	48	49

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3/200N	14.50	12063	358	112	73	12056	256	45	85
3/220N	14.51	9846	164	56	31	9871	115	10	41
4/280N	14.56	8746	49	22	14	8658	30	4	24
4/260N	14.58	11598	266	96	99	11788	200	37	81
4/240N	15.00	8789	57	39	20	8750	10	22	27
4/220N	15.02	9115	52	37	32	8910	23	12	21
4/200N	15.03	10200	165	63	53	10244	94	37	48
4/180N	15.05	10063	132	59	66	10059	95	31	45
4/160N	15.07	9856	149	45	41	9705	71	33	43
4/140N	15.09	9935	155	53	31	9760	107	15	58
4/120N	15.10	10468	201	60	78	10486	124	21	62
4/100N	15.11	10631	248	53	60	10649	174	20	61
4/90N	15.13	9994	177	58	35	10218	123	28	36
4/80N	15.15	9458	94	57	25	9279	52	23	36
4/70N	15.17	9058	58	44	21	9307	27	27	31
4/60N	15.19	9391	97	35	29	9206	42	23	34
4/50N	15.20	9707	156	48	33	9829	107	33	36
4/40N	15.22	9974	163	48	34	10061	131	15	44
4/30N	15.24	9243	92	43	36	9347	81	13	23
4/20N	15.25	8803	51	39	14	8615	18	13	19
4/10N	15.27	8554	28	36	18	8544	17	19	12
4/0	15.28	8550	36	18	23	8575	22	18	18
4/10S	15.30	8575	36	18	15	8684	23	16	15
4/20S	15.31	8477	26	23	13	8527	8	14	12
4/30S	15.33	8272	31	26	11	8246	8	21	11
4/40S	15.34	8317	35	23	13	8440	19	10	12
4/50S	15.35	8481	39	20	16	8368	6	16	13
4/60S	15.37	8354	26	22	12	8377	9	4	13
4/70S	15.38	8383	21	17	14	8169	20	9	14
4/80S	15.40	8326	24	16	11	8483	5	19	14
4/90S	15.41	8377	36	22	17	8435	20	4	12
4/100S	15.42	8441	22	21	12	8464	2	14	19
4/120S	15.44	8656	43	36	20	8916	24	15	22
4/140S	15.45	8758	40	38	14	8674	21	18	25

4/160S	15.47	8551	46	35	26	8757	11	17	30
4/180S	15.48	8771	57	39	28	8880	24	25	21
4/200S	15.50	8910	61	47	20	8892	41	24	22
4/220S	15.51	8682	36	31	23	8592	24	9	22
4/240S	15.53	8423	32	32	9	8641	12	18	16
4/260S	15.55	8632	40	26	18	8370	1	13	23
4/280S	15.56	8539	39	28	15	8492	6	25	15
4/300S	15.58	9157	69	43	23	8945	39	25	25
4/320S	15.59	8741	41	23	19	8357	14	16	21
4/340S	16.01	8760	53	33	20	8669	31	20	18
4/360S	16.02	8943	82	37	37	9004	43	10	26
4/380S	16.04	8731	59	35	20	8877	20	24	19
4/400S	16.06	8525	44	22	18	8496	42	10	15
4/420S	16.07	9544	147	54	36	9721	72	31	32
4/440S	16.09	9150	111	36	18	9035	67	17	18
4/460S	16.10	9174	143	28	27	9183	105	17	26
4/480S	16.12	9258	179	40	25	9521	120	17	26
4/500S	16.13	9142	131	25	21	9193	85	19	20
4/500N	16.24	10565	244	58	41	10583	178	14	64
4/480N	16.25	9997	187	55	47	9959	85	30	47
4/460N	16.27	10936	286	56	51	10899	241	41	42
4/440N	16.24	9467	119	34	26	9376	79	21	28
4/420N	16.30	9950	141	47	32	9892	85	31	38
4/400N	16.32	10896	321	69	48	11076	260	21	56
4/380N	16.34	12238	415	106	75	12319	292	35	84
4/360N	16.35	12543	437	128	103	12945	336	22	124
4/340N	16.37	12856	452	130	114	12695	309	31	120
4/320N	16.39	12518	421	136	106	12817	352	39	106
3/240N	16.43	9979	289	34	43	10046	256	16	40
3/260N	16.45	11931	345	116	81	12038	277	51	74
3/280N	16.47	10346	247	55	53	10014	189	23	45
3/300N	16.50	9370	168	40	22	9238	125	22	26
3/320N	16.51	9395	144	34	38	9465	130	12	37
3/340N	16.54	11663	384	70	73	11405	295	27	74

3/360N	16.57	11894	410	82	68	12126	274	40	91
3/380N	9.02	11399	364	94	61	11485	287	31	75
3/400N	9.04	11469	389	84	73	11277	271	31	71
3/420N	9.05	12169	364	107	111	11984	230	32	111
3/440N	9.07	11790	290	119	96	11732	177	41	111
3/460N	9.09	9534	156	43	43	9795	107	39	38
3/480N	9.11	10154	258	51	56	10395	184	36	41
3/500N	9.12	9398	225	43	27	9365	163	37	26
ES-1	8.56	47252	3901	3684	5694	46779	4	18	5501
US-1	8.58	42982	1726	2050	124	43103	136	1965	106
2/500N	9.15	9020	126	46	25	8903	92	14	30
2/480N	9.17	9238	136	54	32	9038	121	13	25
2/460N	9.19	8947	127	35	19	9147	83	43	19
2/440N	9.20	9611	159	50	39	9514	108	37	36
2/420N	9.22	10004	210	72	48	10046	167	30	36
2/400N	9.24	8951	189	67	38	9914	148	33	37
2/380N	9.26	9290	137	47	25	9034	96	37	14
2/360N	9.28	9756	231	58	46	9676	153	29	37
2/340N	9.29	10173	182	72	45	10103	93	34	56
2/320N	9.31	11295	330	98	71	11347	299	21	78
2/300N	9.33	10231	247	66	51	10504	189	36	61
2/280N	9.34	11873	397	94	80	11892	297	52	80
2/260N	9.36	9737	194	46	23	9732	144	41	29
2/240N	9.38	10097	228	73	41	10351	171	40	56
2/220N	9.40	9456	170	54	31	9593	148	34	35
2/200N	9.41	9345	130	50	30	9012	92	18	35
2/180N	9.43	10250	221	63	57	10140	93	32	59
2/168N	9.45	9194	137	40	27	8977	99	17	28
1/100N	9.48	9855	169	54	59	10010	131	28	44
1/120N	9.51	10554	144	92	63	10468	81	46	67
1/140N	9.53	12053	397	117	81	12389	308	57	87
1/160N	9.54	12547	472	97	85	12746	327	31	108

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1/180N	9.56	9869	187	48	32	9841	190	13	48
1/200N	9.58	8844	105	43	22	8823	75	16	26
1/220N	9.59	10985	326	95	66	11369	214	45	71
1/240N	10.01	11199	348	99	75	11485	259	21	85
1/260N	10.03	11602	333	83	70	11869	270	27	83
1/280N	10.05	10494	268	65	51	10371	193	32	52
1/300N	10.07	8959	86	41	35	8922	75	20	29
1/320N	10.08	8941	88	44	37	8924	69	16	27
1/340N	10.10	9688	160	60	47	9791	83	36	52
1/360N	10.11	10002	184	61	44	9885	124	33	41
1/380N	10.13	9972	188	58	55	9920	152	23	39
1/400N	10.15	11002	327	87	79	11023	269	46	55
1/420N	10.17	9632	183	60	33	9768	130	40	33
1/440N	10.18	10283	246	74	50	10229	176	42	46
1/460N	10.20	9708	183	42	34	9754	142	27	33
1/480N	10.22	9857	226	49	52	9753	156	28	30
1/500N	10.23	8513	101	35	22	8625	65	23	16

ts-1	10.26	45339	3872	3651	5292	45754	0	15	5313
us-1	10.28	42694	1721	2046	138	43386	148	1933	146

Background Georges Bay	1107	7840	21	5	4	7895	17	7	2
		7680	13	8	2	7850	7	2	3
		7767	16	5	2	7893	9	6	1
		7360	13	3	3	7183	7	4	1
Background Concrete Bridge	1058	8980	149	44	23	9166	101	27	39
		8983	132	44	25	9200	113	31	31
		9157	140	54	15	9072	97	27	33

APPENDIX X

REGIONAL DRAINAGE GEOCHEMISTRY

# FIELD SAMPLE DESPATCH SHEET

13041

State TAS. Project GEORGE R. Prospect No. 603 Locality EL 11/78  
 CSR Order No. 30676 Date Sampled SEPT 82 Sampler P.D.E. / S.M.  
 Date Despatched 11 SEPTEMBER 82 Despatcher P.D.E. Despatched per TAA  
 Type of Sample STREAM SEDIMENT  
 Lab. Name COMLABS.

Sample Number Co-ordinates	From To		Chemical Analyses (ppm or %)						Remarks
	E/W	N/S	Sn	W	Cu	Pb	Zn	Bi	
135992	589460	5433375	6	<10	8	8	16	<4	6292
135993	589470	5433340	22	<10	10	18	65	<4	6293
135994	589460	5433580	6	<10	4	12	14	<4	4
135995	589485	5433620	6	<10	4	6	10	<4	5
135996	589620	5433830	22	<10	22	12	46	<4	6
135997	589475	5433045	95	<10	16	32	90	<4	7
135998	589670	5433375	8	<10	10	32	110	<4	8
135999	589425	5433640	8	<10	18	28	60	<4	6299
136000	589000	5433745	65	15	12	12	34	<4	6300
136001	589215	5434740	26	25	24	20	65	<4	
136002	589215	5434760	42	10	10	6	26	<4	
136003	589330	5434990	50	<10	4	18	36	<4	
136004	589540	5435790	12	<10	6	12	12	<4	
136005	589570	5435840	16	20	6	6	10	<4	
136006	589640	5435890	8	<10	2	6	8	<4	
136007	589430	5436270	4	10	2	<4	<2	<4	
136008	589460	5436520	6	<10	2	18	24	<4	
136009	589305	5437320	8	<10	4	8	12	<4	
136010	589530	5438215	8	<10	6	6	8	<4	
136011	589470	5439040	<4	10	4	6	10	<4	
136012	589000	5439420	8	10	2	6	16	<4	
136013	589700	5439120	4	<10	2	4	10	<4	
136014	589610	5438980	12	<10	4	6	8	<4	
136015	589860	5439400	8	15	2	12	18	<4	
136016	589840	5439430	6	<10	4	8	10	<4	
136017	589120	5439860	8	15	2	10	18	<4	
136018	5892640	5439770	<4	<10	4	8	4	<4	
136019	5892645	5439810	10	10	<2	22	6	<4	
136020	589490	5437380	4	<10	2	12	18	<4	
136021	5891645	5437080	<4	<10	<2	<4	2	<4	
136022	5892770	5434730	<4	<10	8	12	26	<4	
136023	589530	5433350	8	10	6	28	55	<4	
136024	589800	5432720	8	<10	4	14	10	<4	
136025	589420	5432540	12	<10	4	24	16	<4	
136026	589570	5432405	20	<10	6	10	24	<4	
136027	589440	5432580	8	<10	4	16	16	<4	
136028	589090	5432740	12	<10	4	26	24	<4	
136029	589250	5431930	8	<10	2	10	6	<4	
136030	589190	5431910	6	<10	4	12	16	<4	
136031	589580	5432040	30	<10	10	28	85	<4	6330

561203

Instructions to Analyst: DRY SAMPLES - PUMMEL & SIEVE STREAM SEDIMENTS - reject +20mic  
 retain -20 +80 mesh (Analyse for Sn & W by XRF - ~~method~~ 1 scheme)  
 retain -80 mesh (Analyse for Cu Pb Zn Bi by AAS ~~method~~ 1 scheme)  
 Results & -20 +80 mesh & -80 mesh fraction to CSR O'WILLIAMS ST WEST HOBBART TAS.  
 Results to: RESULTS & INVOICE TO CSR MINERAL DIV. GPO BOX 483 Sydney N.S.W.

# FIELD SAMPLE DESPATCH SHEET

13042

State TAS. Project GEORGE RIVER Prospect No. 603 Locality EL 11/78  
 CSR Order No. 30676 Date Sampled SEPT 82 Sampler P.D.E. / S.M.  
 Date Despatched 11/9/82 Despatcher PDE Despatched per TAA  
 Type of Sample STREAM SEDIMENT  
 Lab. Name COM LABS. DATA BASE NOS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)						Remarks
	E/W	N/S	Sn	W	Cu	Pb	Zn	Bi	
136032	588130	5432190	95	<10	4	22	24	<4	6332
136033	588050	5432190	55	<10	6	26	18	<4	
136034	588160	5431800	6	<10	4	10	6	<4	
136035	588160	5432085	450	*15	8	10	30	<4	
136036	587650	5431970	4	<10	4	12	8	<4	
136037	587210	5432200	65	10	16	24	90	<4	
136038	586700	5431920	8	<10	4	28	32	<4	
136039	586550	5432130	10	<10	2	16	16	<4	
136040	585350	5432840	75	<10	4	14	18	<4	
136041	585770	5433200	90	10	4	10	16	<4	
136042	585160	5433530	6	<10	6	18	20	<4	
136043	585060	5433980	1550	30	32	18	50	<4	
136044	584870	5434200	55	<10	6	16	24	<4	
136054	589735	5431900	<4	<10	2	12	8	<4	6334
136055	<del>590645</del>	5432140	10	<10	10	12	24	<4	
136056	591350	5430950	24	<10	6	14	14	<4	
136057	591850	5430340	16	<10	14	12	34	<4	
136058	<del>591425</del>	5429790	<4	10	4	10	6	<4	
136059	592059	5430030	6	<10	4	14	2	<4	
136060	594025	5430780	<4	<10	<2	10	6	<4	
136061	594075	5430680	<4	<10	10	8	<2	<4	
136062	593860	5429860	50	<10	10	24	16	<4	
136063	594190	5429380	22	10	12	65	4	<4	
136064	594700	5429230	<4	<10	6	8	<2	<4	
136065	<del>600000</del>	5425570	80	<10	6	16	4	<4	
136066	598360	5426760	2000	10	8	24	14	<4	
136067	598360	5426710	9300	<10	8	16	12	<4	
136068	598540	5426620	46	<10	8	38	34	<4	
136069	596880	5425840	20	<10	6	8	<2	<4	
136070	<del>596615</del>	5426100	4	<10	6	8	<2	<4	
136071	596690	5426500	6	<10	6	14	<2	<4	
136072	596710	5426650	16	<10	8	110	65	<4	
136073	594215	5424525	6	<10	6	38	6	<4	
136074	593280	5422580	170	<10	6	6	<2	<4	
136075	592345	5422050	6	<10	6	22	8	<4	561204
136076	593300	5420800	125	15	14	50	65	<4	
136077	593280	5419620	16	<10	8	48	46	<4	
136078	593175	5419500	12	10	14	85	50	<4	
136079	592925	5419000	30	<10	16	44	20	<4	6379

Instructions to Analyst:

SEE FIELD SAMPLE DISPATCH SHEET No 13041

Results to:



# FIELD SAMPLE DESPATCH SHEET

13043

State TXS Project GEORGE RIVER Prospect No. 603 Locality E2 11/88  
 CSR Order No. 30676 Date Sampled SEPT 82 Sampler DDE / SM.  
 Date Despatched 11/9/82 Despatcher PDE Despatched per TMA  
 Type of Sample STREAM SEDIMENT  
 Lab. Name COMLABS.

Sample Number Co-ordinates	From		To		Chemical Analyses (ppm or %)					Bi	Remarks	DATA BASE NO'S
	E/W	N/S	Sn	W	Cu	Pb	Zn					
136080	592500	5418320	8	<10	10	18	14	<4		6380		
136081	592510	5418480	38	10	8	16	12	<4		6381		
136082	592165	5418065	10	10	10	95	18	<4		6382		
136083	591640	5416890	8	<10	4	32	4	<4	Soil			
136087	591555	<del>541685</del> 5416910	<4	<10	4	8	<2	<4	Soil			
136088	592015	5416635	4	10	16	55	46	<4		6388		
136089	592450	5417000	6	<10	34	50	55	<4				
136090	591530	5416280	<4	10	8	14	24	<4				
136091	594030	5424700	6	<10	6	16	<2	<4				
136092	593705	5424580	<4	<10	6	10	<2	<4				
136093	593605	5424570	6	<10	4	10	<2	<4				
136094	593915	5425145	14	<10	6	100	20	<4				
136095	592680	5426000	18	10	6	48	30	<4				
136096	592720	5426000	<4	<10	6	12	2	<4				
136097	592770	5426000	6	<10	4	4	<2	<4				
136098	593360	5425970	8	<10	6	50	6	<4				
136099	593325	5426560	170	<10	4	6	<2	<4		6399		
136101	593355	5426640	12	<10	6	4	<2	<4		6401		
136102	593680	5427225	6	<10	4	<4	<2	<4				
136103	591595	5426370	<4	<10	4	<4	<2	<4				
136104	591640	5426680	10	10	6	16	40	<4				
136105	592635	5426890	4	<10	4	<4	<2	<4				
136106	592990	5427180	4	<10	6	26	34	<4				
136107	594180	5427540	8	<10	2	<4	<2	<4				
136108	594000	5427800	6	<10	6	32	4	<4				
136109	594035	5427860	12	10	8	24	30	<4				
136110	594670	5428300	18	<10	4	60	12	<4				
136111	594920	5428625	20	<10	6	65	16	<4				
136112	596180	5429065	12	<10	4	12	6	<4				
136113	596940	5428760	170	<10	10	38	8	<4				
136114	595840	5428600	6	<10	4	<4	<2	<4				
136115	596200	5427930	4	<10	6	32	18	<4				
136116	597895	5427520	6	<10	4	<4	<2	<4				
136117	597390	5427350	6	10	2	30	<2	<4				
136118	597425	5427430	12	<10	2	40	4	<4		6418		
<del>136119</del>												
136121	599900	5430100	4	<10	4	<4	4	<4		6421		
136122	599780	5429920	8	<10	2	<4	6	<4		6422		
136123	598610	5429800	8	<10	6	55	18	<4		6423		

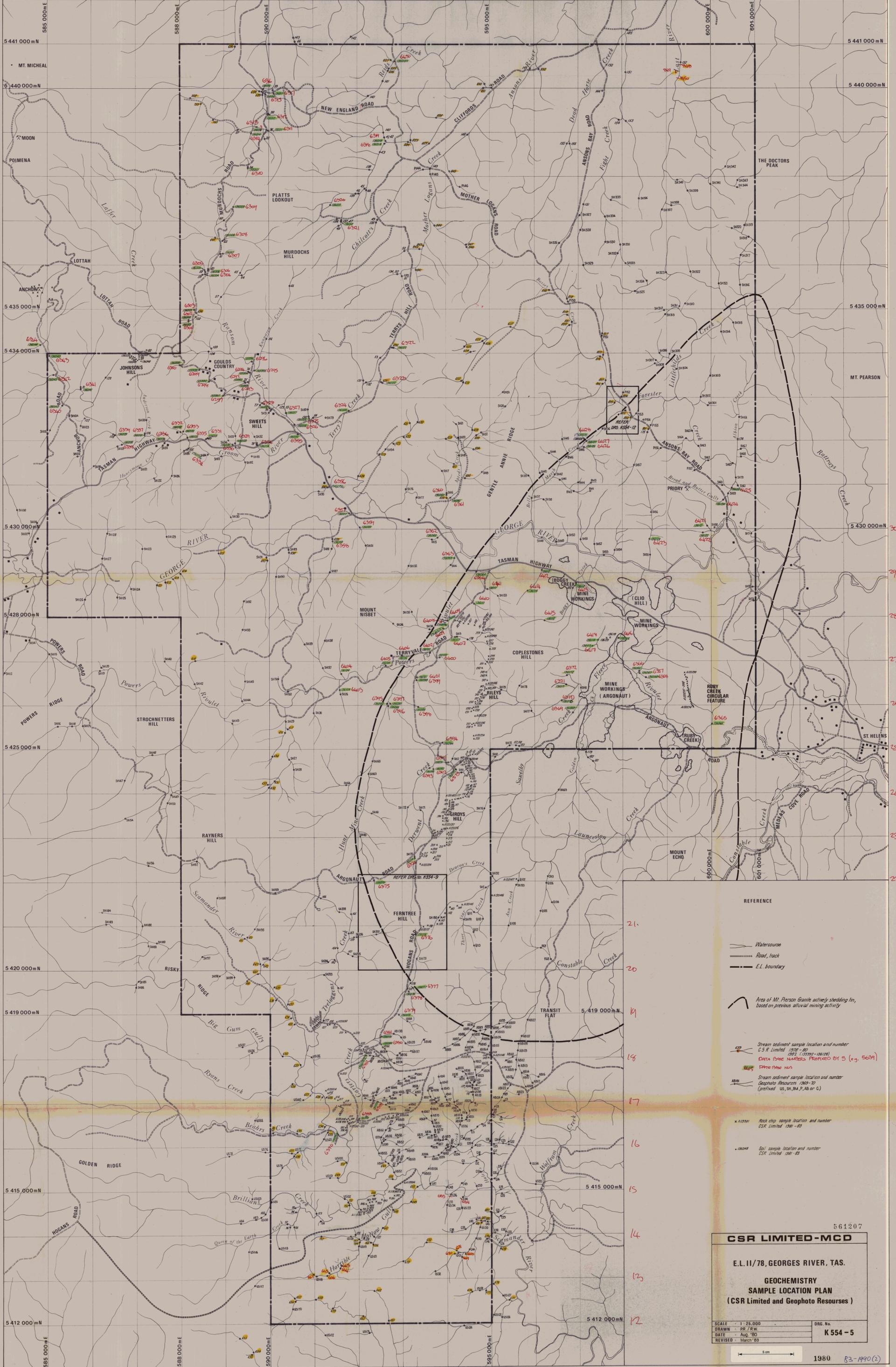
Instructions to Analyst:

SEE FIELD SAMPLE DESPATCH SHEET No 13041

561205

Results to:





- REFERENCE
- Watercourse
  - Road, track
  - E.L. boundary
  - Area of Mt. Pearson Granite actively shedding in, based on previous alluvial mining activity
  - Stream sediment sample location and number  
CSR Limited 1978-80  
1982 (125392-126128)  
DATA FROM NUMBERS PREFIXED BY 5 (e.g. 5639)
  - Stream sediment sample location and number  
Geophoto Resources 1969-70  
(prefixed US, SH, BA, P, AB or C)
  - Rock chip sample location and number  
CSR Limited 1969-80
  - Soil sample location and number  
CSR Limited 1969-80

561207

**CSR LIMITED-MCD**

E.L. 11/78, GEORGES RIVER, TAS.

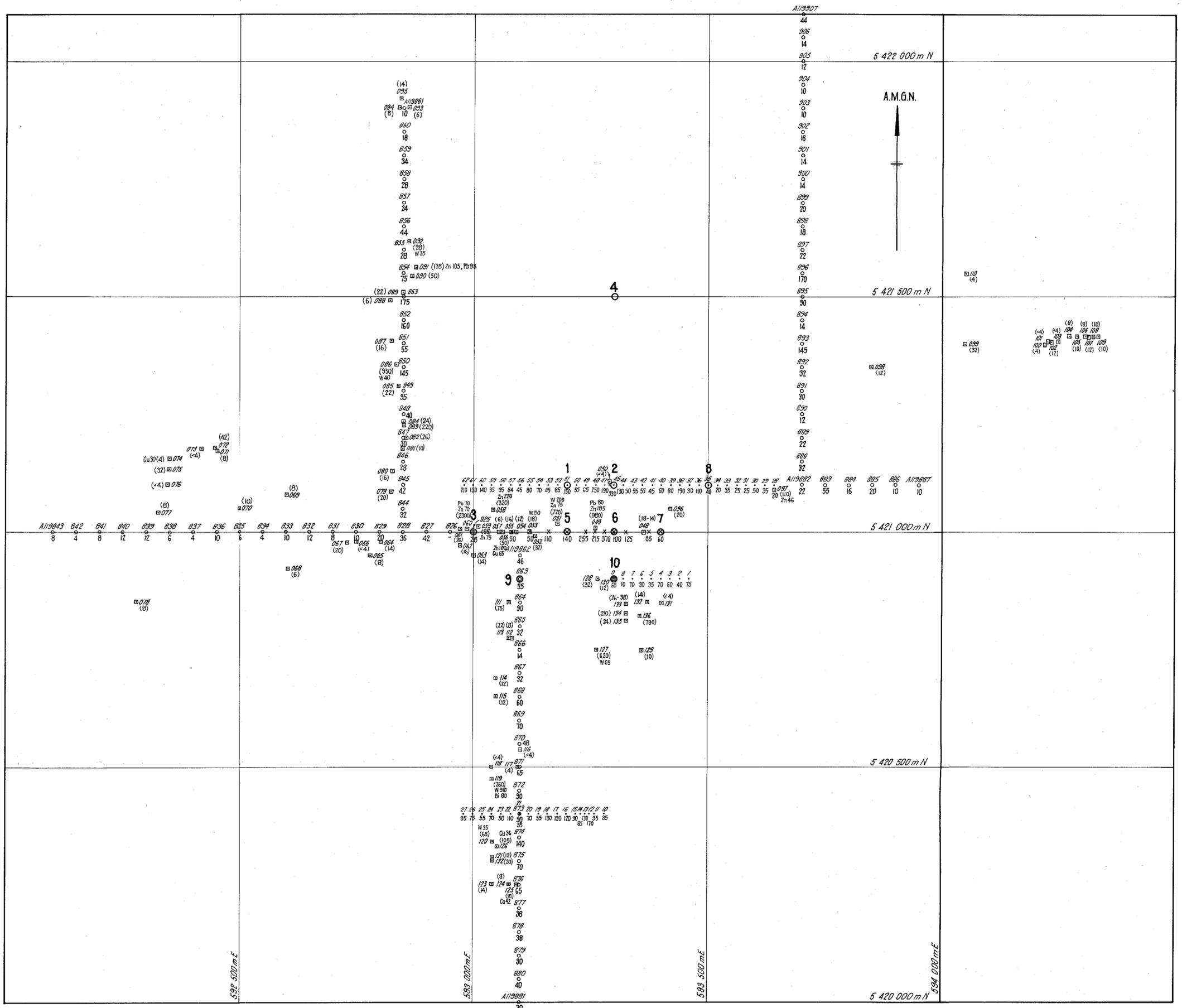
**GEOCHEMISTRY  
SAMPLE LOCATION PLAN  
(CSR Limited and Geophoto Resources)**

SCALE 1:25,000	DRG. No.
DRAWN BY P.R.W.	K 554-5
DATE Aug '83	
REVISED March '83	

5 cm

1980 83-1990(2)

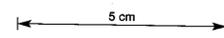




**REFERENCE**

- x Original samples (Williams 1980)  
Sn value p.p.m.
- 27 Macnamara samples (Ellis 1981 a)  
Sn value (-20\* faction) p.p.m.
- 119981 1981 soil samples  
Sn value (-20, -80\* faction) p.p.m.
- 6 Percussion drill holes
- Rock chip samples (prefixed by A120)  
Sn value p.p.m. + specified anomalies

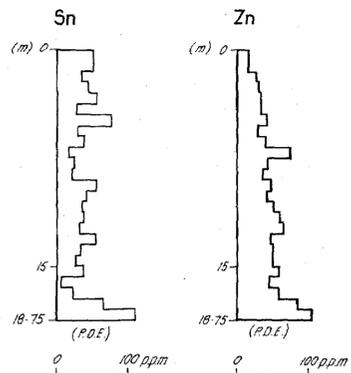
<b>CSR LIMITED-MD</b>	
<b>E.L. 11/78 GEORGES RIVER TAS.</b>	
<b>FERTREE HILL - SOIL GEOCHEMISTRY</b>	
SCALE : 1 : 5000	DRG. No.
DRAWN : P.D.E. / P.R.	<b>K554 - 9</b>
DATE : May '82	
REVISED : March '83	



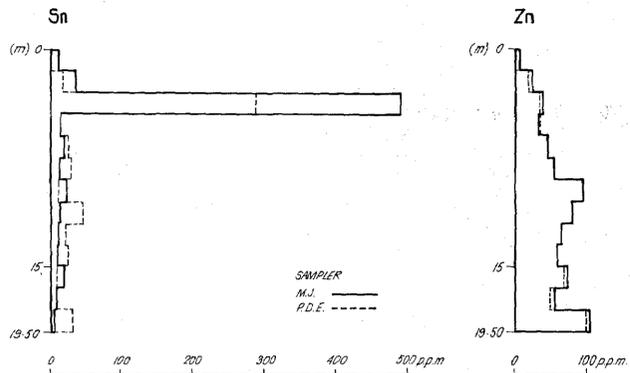
561209

1982

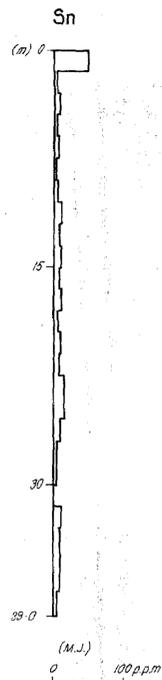
FTH 1.



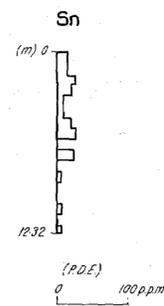
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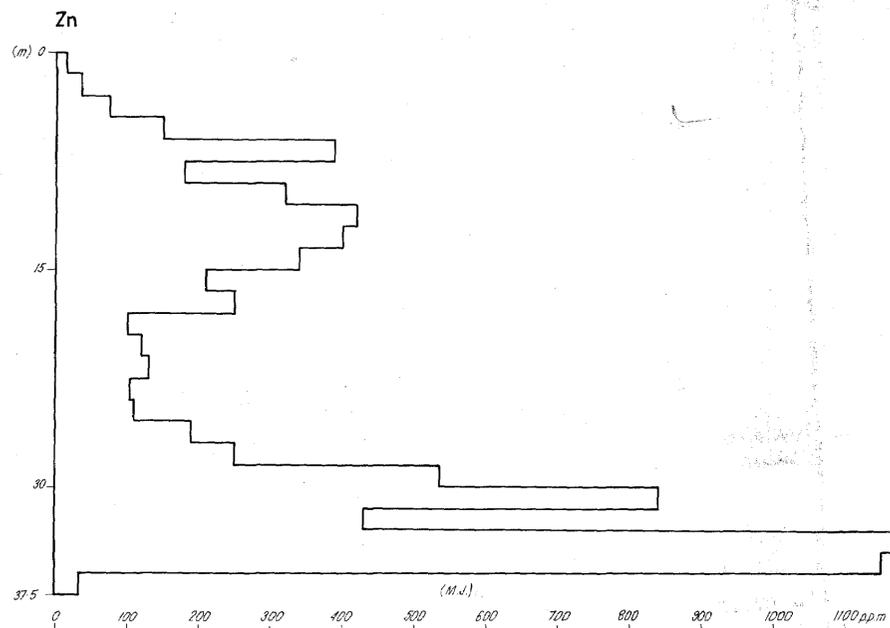
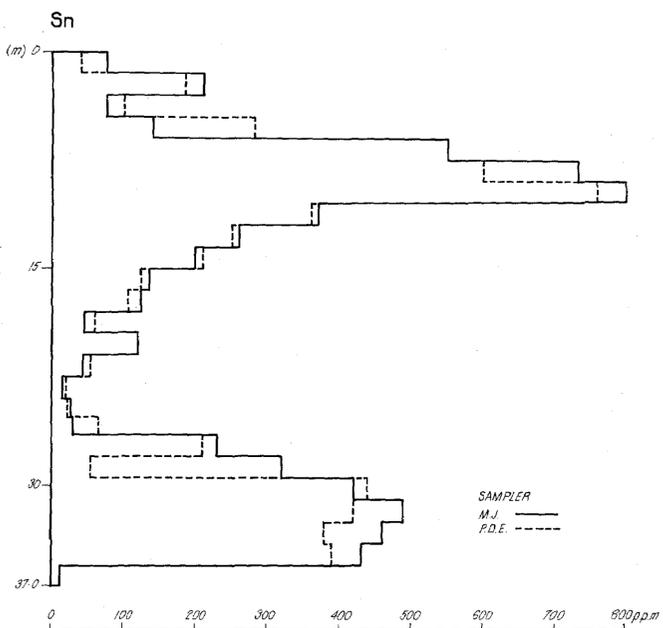
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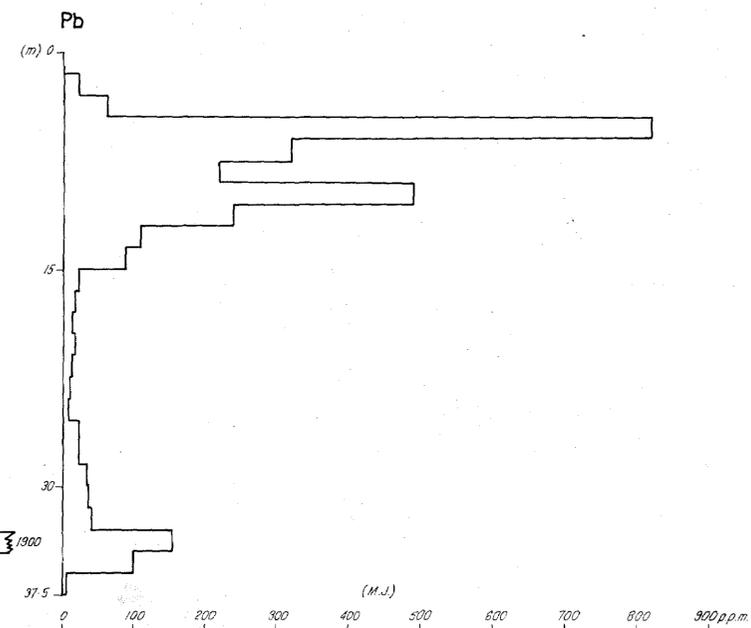
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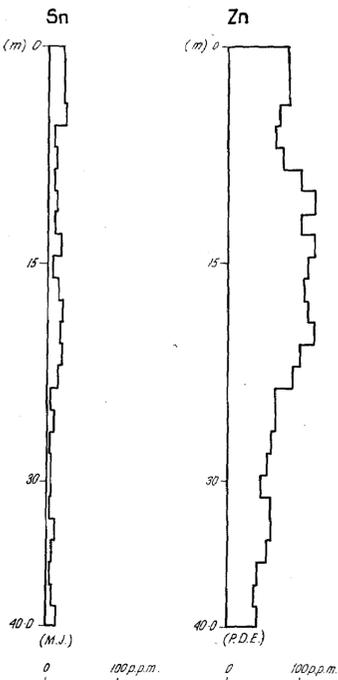
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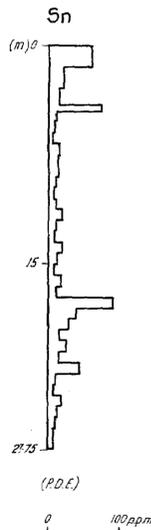
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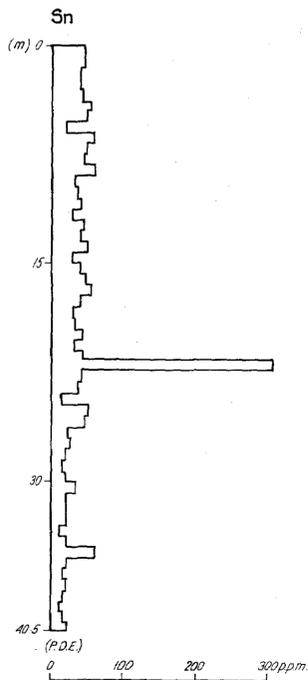
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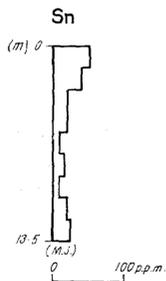
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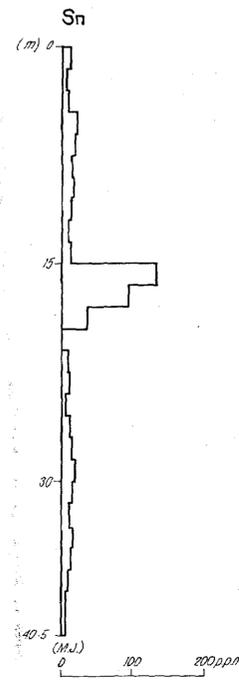
FTH 8.



FTH 9.



FTH 10.



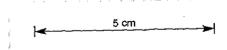
561210

**CSR LIMITED-MD**

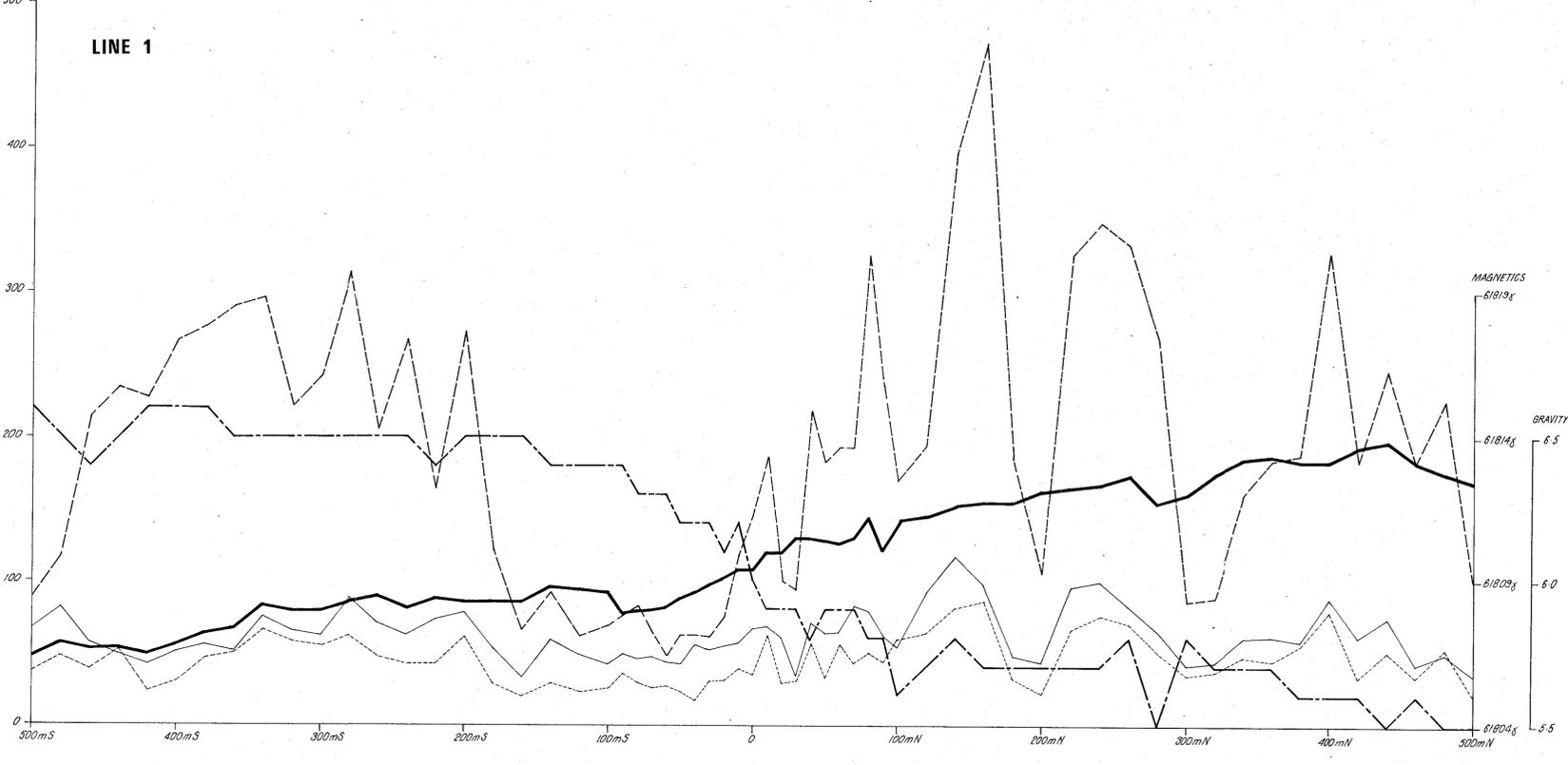
E.L.11/78 GEORGES RIVER TAS.

FERNTREE HILL PDHs-  
PROFILES - Sn, Zn & Pb

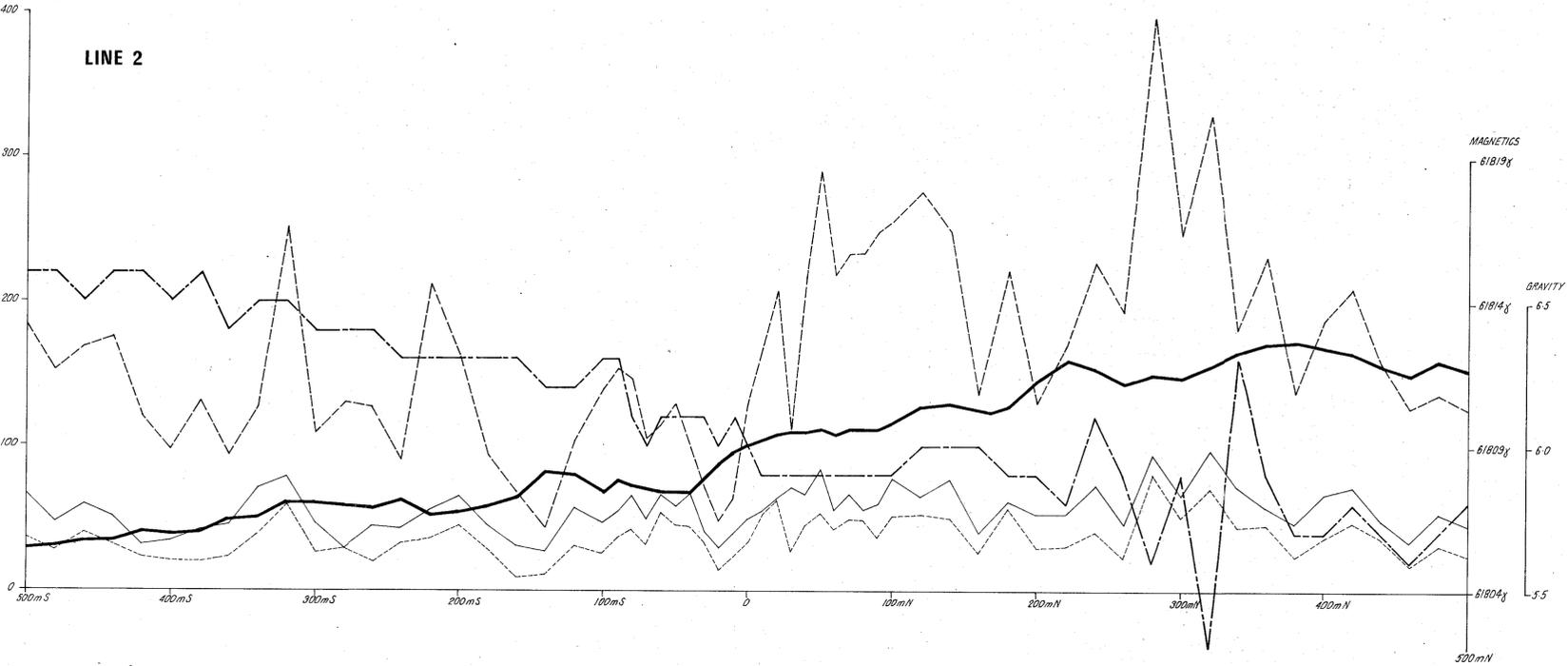
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DATE: Dec '82	
REVISED: March '83	



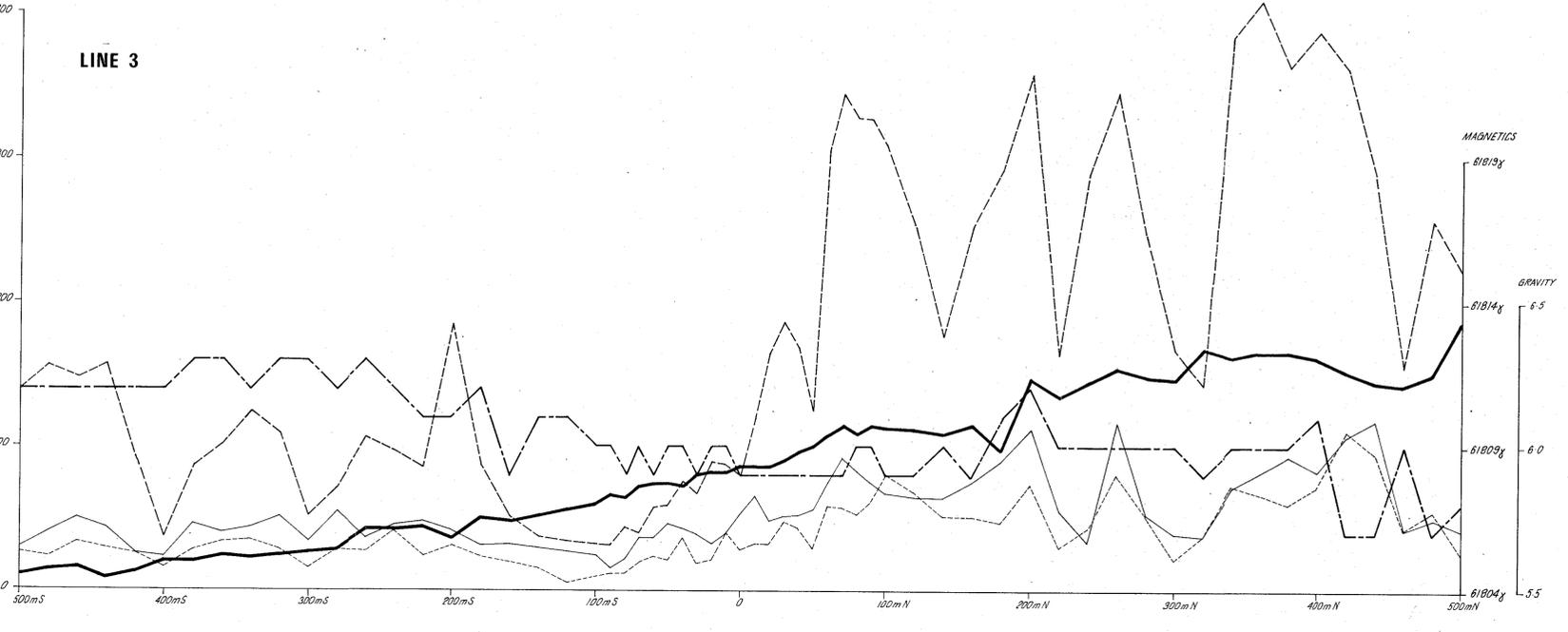
RADIOMETRICS  
C / 30.86CS



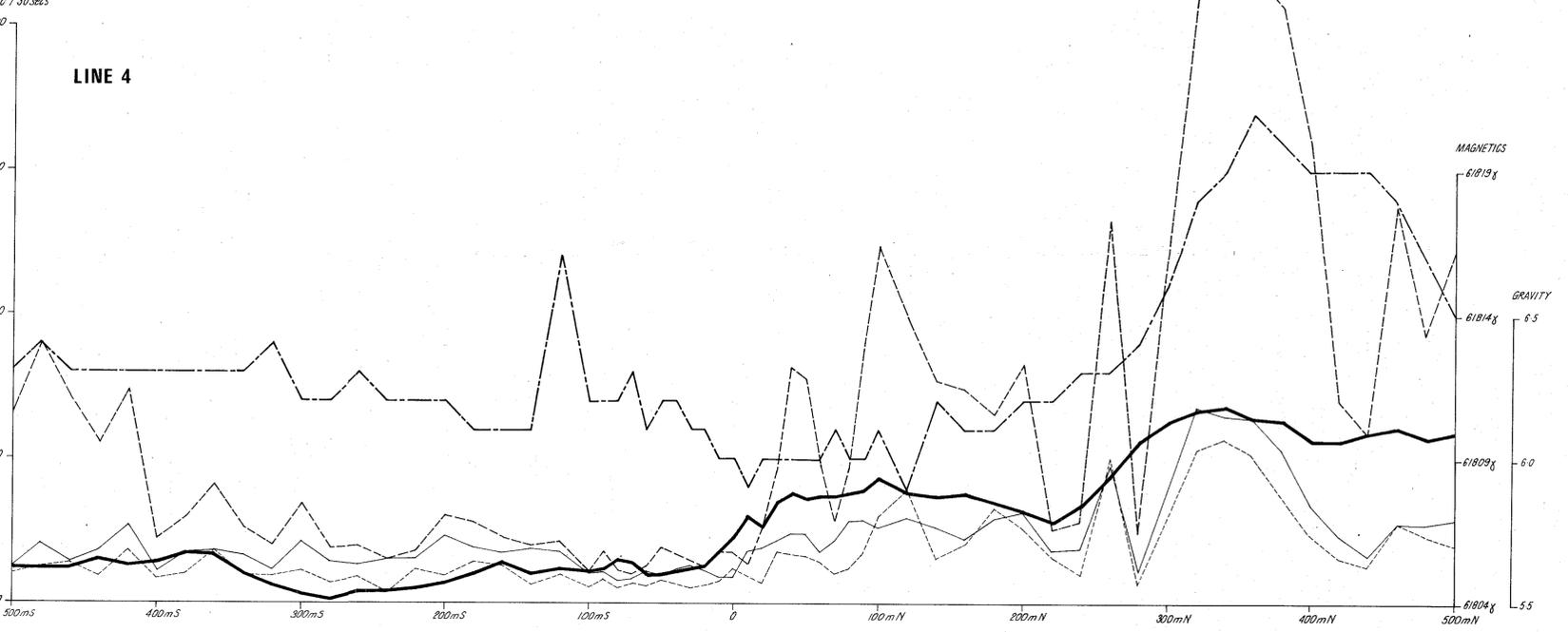
RADIOMETRICS  
C / 30.86CS



RADIOMETRICS  
D / 30.86CS



RADIOMETRICS  
C / 30.86CS



561211

REFERENCE

--- MAGNETICS  
 --- RADIOMETRICS  
 --- K40  
 --- U  
 --- Th  
 --- GRAVITY

**CSR LIMITED-MD**

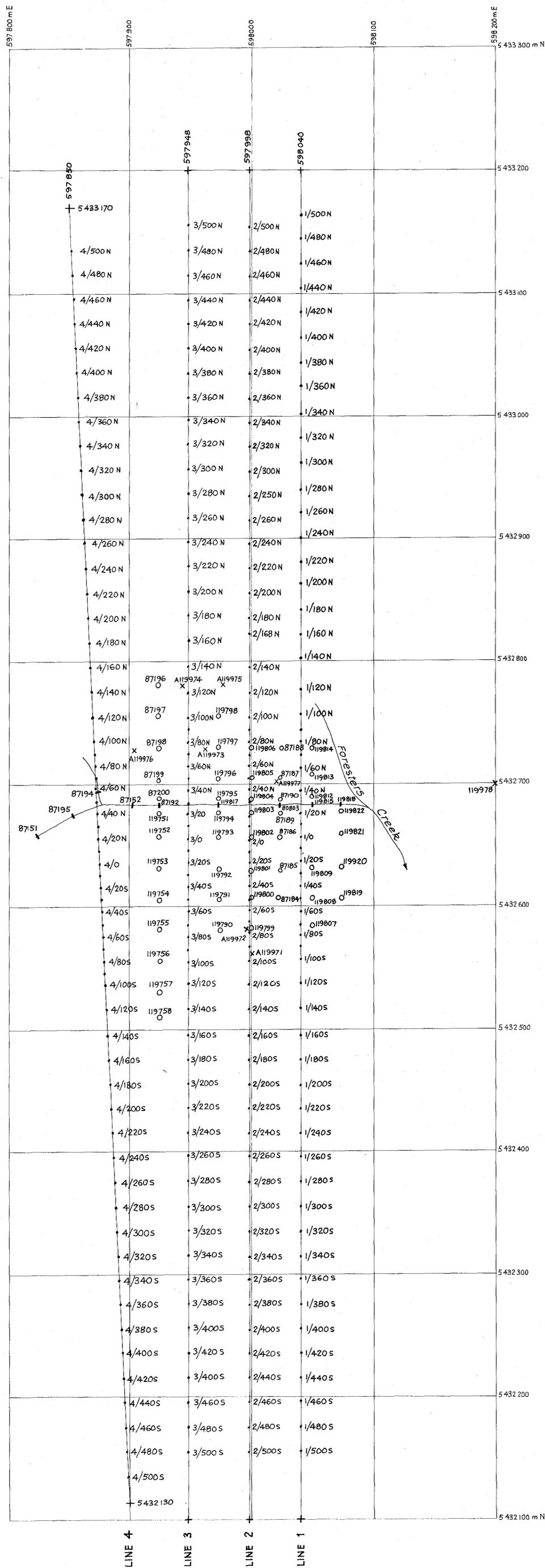
**E.L.11/78 GEORGES RIVER TAS.**

**FORESTER CREEK  
GEOPHYSICAL PROFILES**

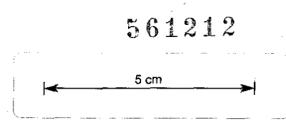
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DRAWN : PE./PR.	<b>K554-11</b>
DATE : Dec. '82	
REVISED :	

1984

5 cm



- REFERENCE
- STREAM SEDIMENT SAMPLES
  - SOIL SAMPLE - SERIES I
  - SOIL SAMPLE - SERIES II
  - x ROCK SAMPLE

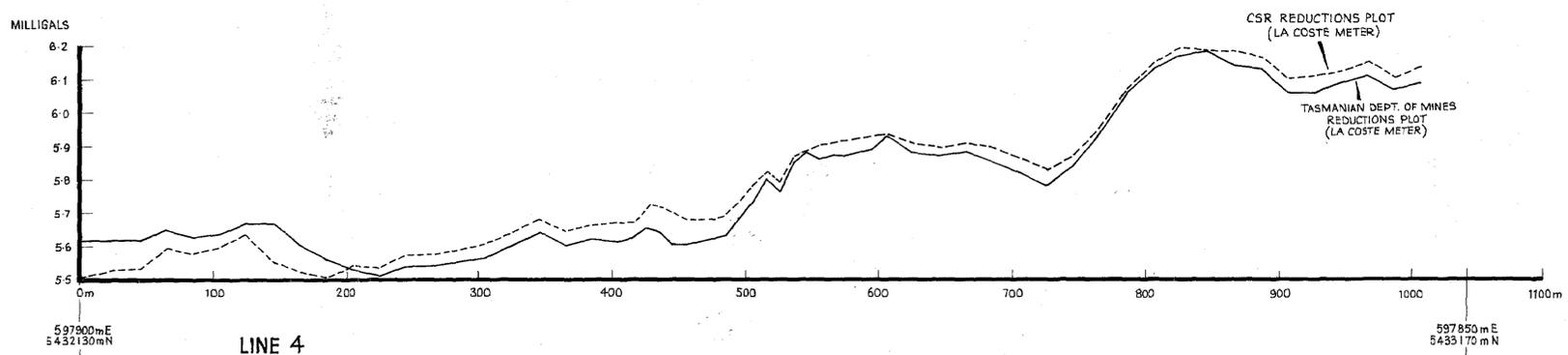
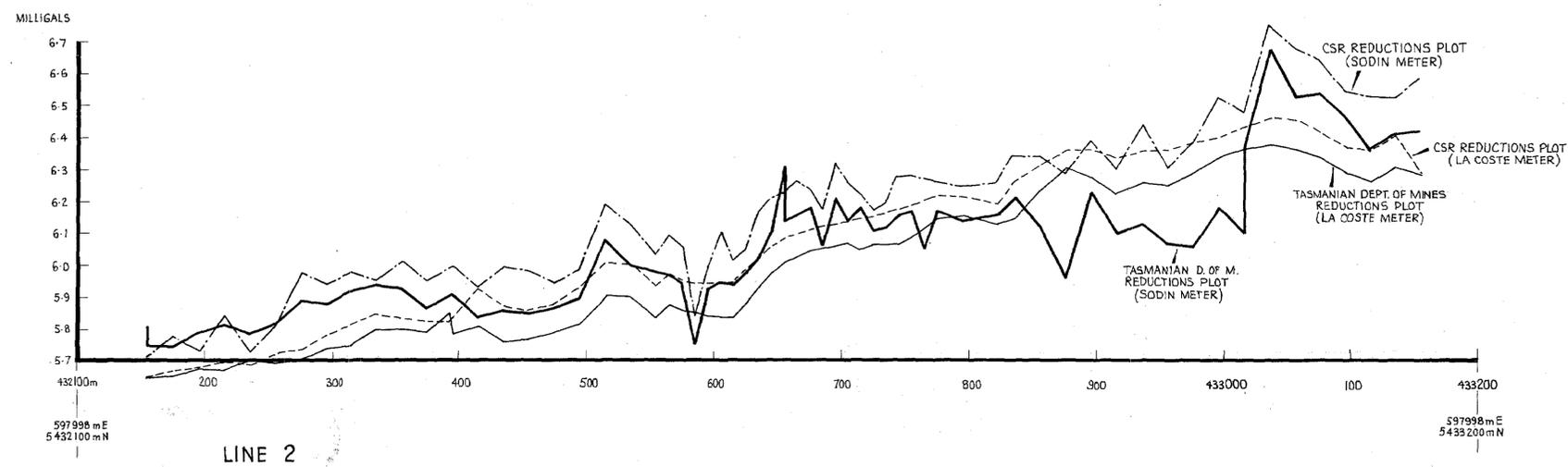
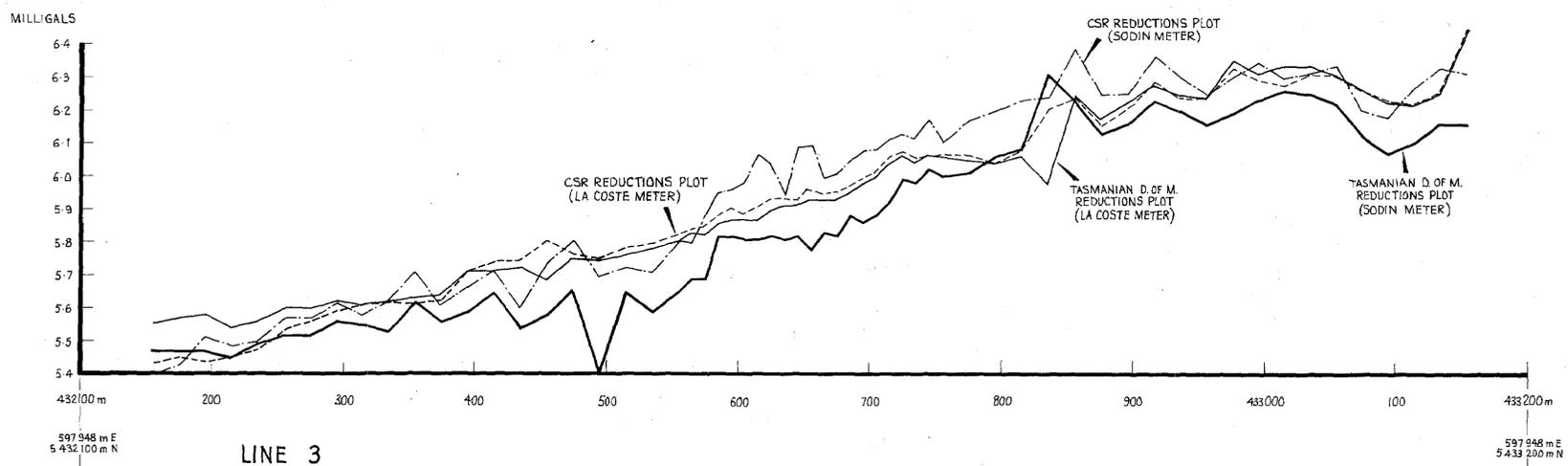
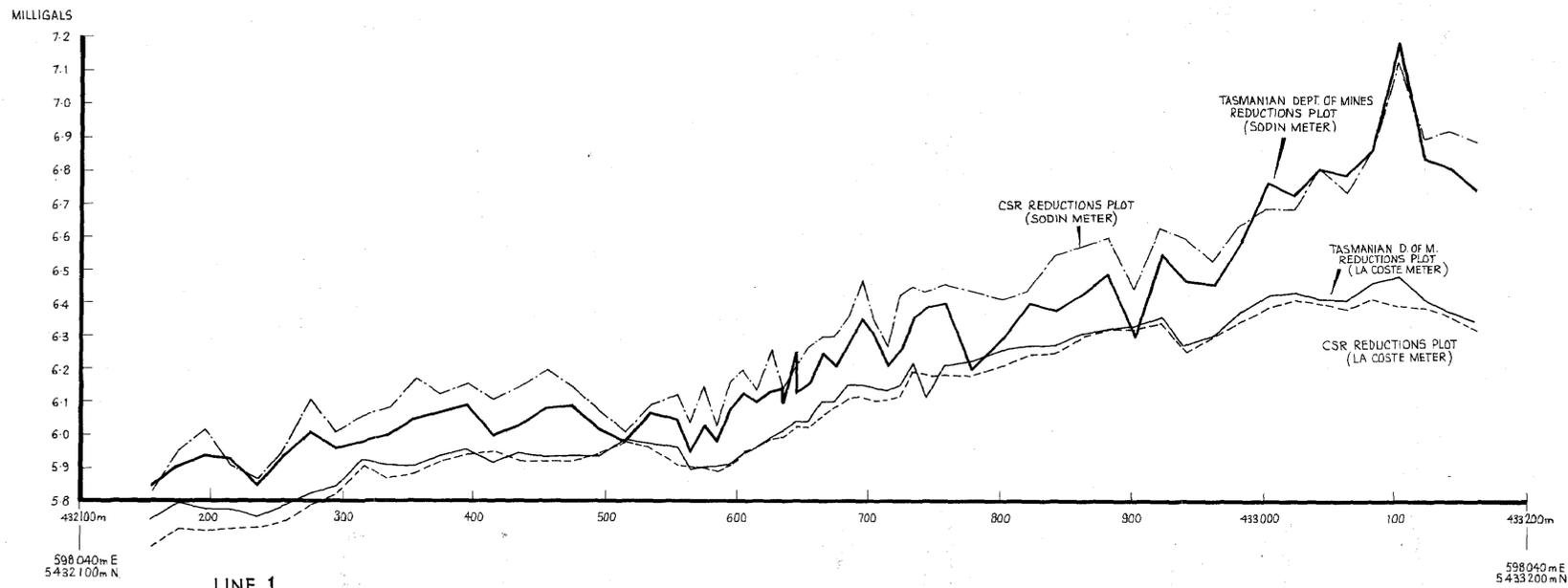


**CSR LIMITED-MCD**

**GEOCHEMISTRY  
SAMPLE LOCATION PLAN  
FORESTER CREEK 1985**

**E.L. 11/78 GEORGE RIVER TASMANIA**

SCALE 1 : 2000	<b>K554-12</b>
DRAWN PDE / C.J.L.	
DATE MARCH 1983	
REVISED	



561213



<b>CSR LIMITED-MCD</b>	
GRAVITY PROFILES	
LINES 1 to 4 FORESTERS CREEK	
E.L.11/78 GEORGE RIVER, TASMANIA	
1986	
SCALE	HORIZ: 1:2500   VERT: 1cm = 0.1milligal
DRAWN	P.D.E./C.J.L.
DATE	MARCH 1983
REVISED	
<b>K554-13</b>	