



**Exploration Licence 1/2019  
Salmons Creek**

**Annual Report for the period 04/12/2020 to 03/12/2021**

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# 1 Summary

Exploration Licence 1/2019 includes prospective areas along strike of the Renison Bell tin deposit and the Mt Lindsay tin+tungsten+magnetite deposits. The tenement was granted to Venture Minerals Ltd (VMS) in late 2020. EL01/2019 first anniversary year activities included historical data search, compilation and review, geological and structural mapping, prospecting, soil and rock sampling, selection of specimens for petrography. Assays for rock samples are still pending and petrographic study is currently underway. EL1/2019 is prospective for Sn and W and VMS intends to undertake further exploration in subsequent tenement years.

## 2 Introduction

Exploration Licence EL1/2019 is located in the tin-tungsten province of western Tasmania and extends from the south western contact metamorphic aureole of the Meredith Granite to the north-eastern contact metamorphic aureole of the Pine Hill Granite. The Pine Hill and Meredith Granites are part of a suite of Devonian granites which are very important to tin and tungsten mineralization in Tasmania. Deposits associated with this suite include the world class Renison Bell tin mine (26 Mt at 1.46% Sn), Mount Bischoff (10.54 Mt at 1.1% Sn), Cleveland (12.4 Mt at 0.62% Sn, 0.25% Cu) and King Island (17 Mt at 0.85% WO<sub>3</sub>). Cleveland and Mount Bischoff are situated around the northern margin of the Meredith Granite, and Renison Bell is associated with the Pine Hill Granite c. 15 km to the southeast of the Meredith Granite.

Previous exploration activities mainly for tin within the area now covered by EL1/2019 also indicated the presence of potentially economic magnetite skarns. There are currently two producing magnetite mines in Tasmania, the Kara magnetite-scheelite mine located near Hampshire c. 60 km to the northeast of EL1/2019, and the Savage River magnetite mine (371 Mt at 31.9% Fe in magnetite) situated c. 40 km to the northwest.

## 3 Location and Access

Exploration Licence EL1/2019 currently covers 11 km<sup>2</sup> and is located within the Meredith Ranges Regional Reserve, approximately 130 km by road southwest of the port of Burnie, and c. 35 km by road west of the nearest township, Tullah. The extents of the tenement are loosely bounded by the Pieman road to the north, lake Pieman to the south, and gridlines 361000E and 366000E in the west and east respectively. The tenement is contiguous to VMS' EL21/2005 southeast boundary. The focal area of current exploration activities is around Salmon's track, which bisects the tenement in a northwest-southeast direction and runs parallel c.1.5 km to the Wilson River. The location of EL1/2019 is shown in Figure 1.

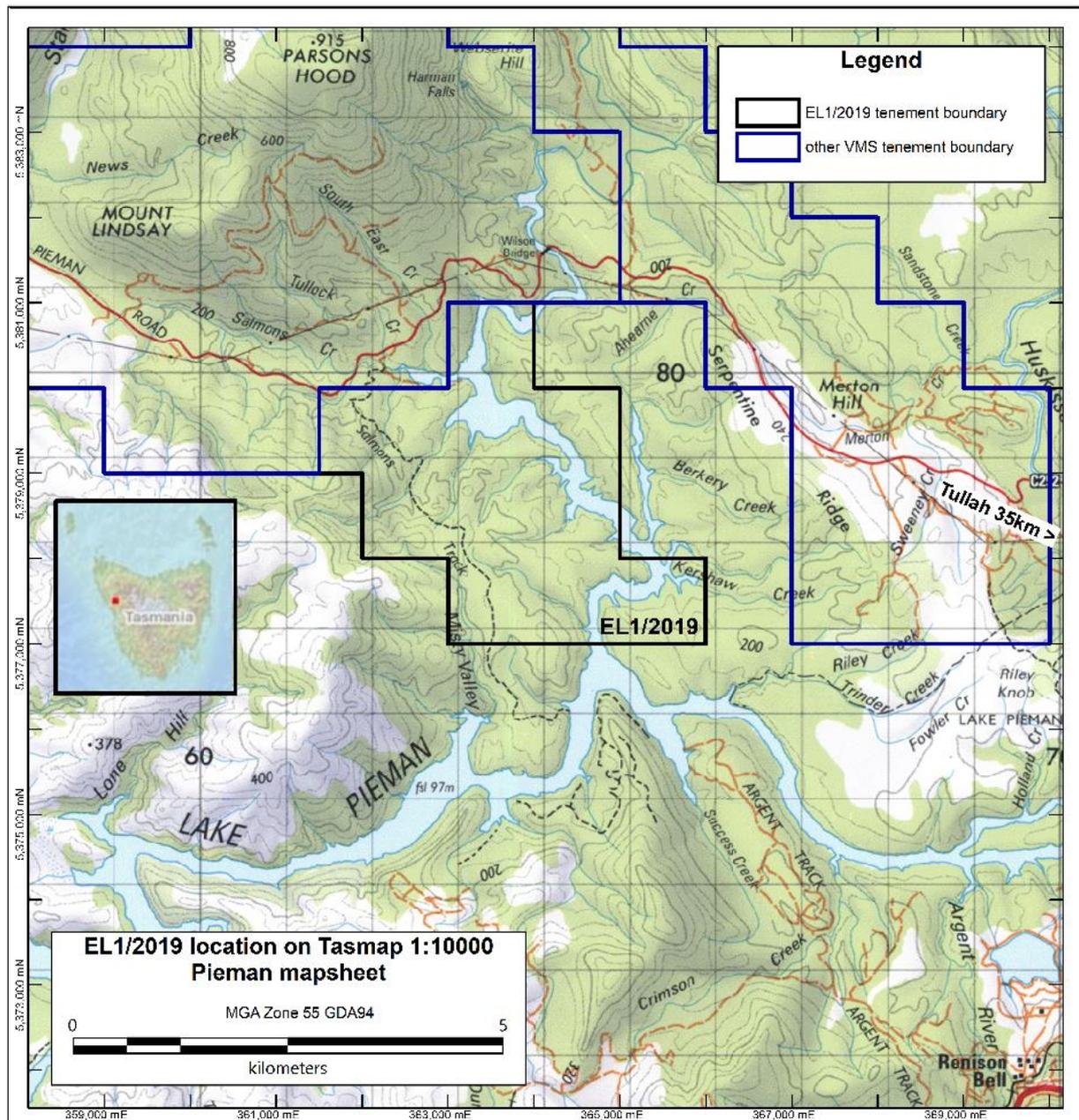


Figure 1: EL1/2019 location plan.

Access to the tenement is via the sealed (bitumen) Pieman Road which branches off the Murchison Highway c. 5 km north of Tullah. Various historic 4WD tracks and survey lines cut by previous tenement holders provide foot access to most of the tenement. The southern and eastern extents of the tenement can be accessed by watercraft from Lake Pieman.

Elevation ranges from 100 m above mean sea level to almost 400m in the southwest corner. The tenement is relatively low relief compared to surrounding areas with Mt Lindsay culminating at 579 m. Average rainfall for the region is approximately 2000 mm per annum and vegetation is dominated by short rainforest and related scrub in the southwest, and by *Nothofagus - Atherosperma* rainforest in the northeast. Numerous forest clearing and fires

have occurred throughout EL1/2019 in the early to mid-20<sup>th</sup> century. Pockets of wet *Eucalyptus obliqua* and *Eucalyptus nitida* forest remain throughout the tenement.

## 4 Exploration and Mining History

Alluvial tin was discovered in the Stanley River area, approximately 6km to the northwest of the tenement sometime around 1893 and subsequently developed into the Stanley River Tin Fields. The main alluvial tin field was located on the extensive river flats around the juncture of Livingstone Creek with Stanley River, with abundant quartz-tourmaline wash noted on the banks of the river close to the granite contact. Additional alluvial deposits were located a further 6-8 km upstream of the main Stanley River field, and in Castle, News and Minors creeks draining the flanks of Mt Livingstone and Parsons Hood. Early prospecting for the source of the alluvial tin then led to the location of several tin-bearing quartz-tourmaline veins within the granite on the flanks of Mt Livingstone and Parsons Hood. Cassiterite-bearing gossans were then discovered at Stanley Reward, Livingstone Creek and Mt Lindsay in the early 1900s with minor small-scale open-cut and underground tin mining occurring to about 1932. Shafts at the Stanley Reward deposit reputedly reached 150 ft, and the Mt Lindsay orebody was one of the most extensive known in Tasmania at the time. Production records are incomplete but included at least 59.8 tons of lode tin from Mt Lindsay, and at least 79.6 tons of alluvial tin.

Descriptions of mining activities and the deposit indicate the mineralisation at Mt Lindsay was mostly of the bedding-parallel sulphide and magnetite replacement type (after slate, tuff and carbonate) with some high-grade cross-cutting cassiterite veins. The stratigraphy-parallel sulphide and magnetite replacement mineralisation was evidently generally of low tin grade and most of the tin production came from the high-grade cassiterite-rich fissures. The Mt Lindsay Mining Company NL recorded small amounts of ore grading up to 25 % Sn, and sampling of the abandoned workings in the 1950s (Pearson, 1952) returned up to 3 feet at 27.6 % Sn. Mining activities at Mt Lindsay had largely ceased by 1923 by which stage the oxide ore had been worked over a zone 600 m long and averaging 30 m thick. Periodic tributing of the oxide ore continued until 1932. A potentially large body of lower grade replacement tin ore remained in which the primary mineral assemblage was noted to comprise mainly magnetite and/or pyrrhotite with variable amounts of cassiterite, pyrite, chalcopyrite, arsenopyrite, scheelite and a wide range of silicates.

In his bulletin on the Stanley River Tin Field of 1914 government geologist LL Waterhouse noted the occurrence of iron ores of possible economic value, describing a magnetite and hematite body approximately 40 m across protruding through the alluvial flats beneath Mt Livingstone (the Livingstone Creek gossan). At that time two adits had been driven into the Livingstone Creek gossan in search of tin. Waterhouse (1914) also described c. 10-20 m thickness of cassiterite-bearing banded magnetite mineralisation within the hangingwall (southern) side of the Mt Lindsay tin lode (the Main Tin Zone), and a parallel zone of magnetite c. 200 m north of the Main Tin Zone which is now called the No 2 Zone.

In the 1950s Rio Tinto and Electrolytic Zinc covered the Mt Lindsay – Stanley River area as part of a regional inch to the mile photogeological and aeromagnetic survey covering most of western Tasmania. The anomalously magnetic zone around the south-eastern edge of the Meredith Granite was identified by this survey. Some more detailed geophysical surveys were then conducted but the recommended drilling was never carried out.

The adjacent Stanley Reward and Livingstone Creek area (c. 5 km northwest of EL01/2019) was subject to an extensive exploration programme over the 1973-1986 period by Pacminex Pty Ltd (subsidiary of CSR Ltd) and Union Corporation Pty Ltd which became Gencor (Australia) Pty Ltd. Exploration activities included geological mapping, ground magnetic traverses, induced polarisation surveying, a trial gravity traverse, airborne EM surveying, stream sediment, soil, auger and rock chip sampling, and 19 diamond core drill holes for 3459 m. Geological mapping, geochemical sampling and geophysics indicated the presence of at least 3 km strike extent of magnetic stanniferous “Renison marker sequence” striking northwest from Stanley River along Livingstone Creek beneath a partial cover of alluvial gravels up to 10 m thick. Interpretation of the magnetic imagery and CSR drilling suggests the “Renison marker sequence” is offset 300 m before continuing off around the flank of Mt Lindsay towards Renison Bell 14 km to the southeast. The exposed Livingstone Creek and Stanley Reward gossans reach 280 m long by 40 m wide, and are the surface expression of pyrrhotite-magnetite skarns replacing dolomite and shale horizons within the “Renison marker sequence”. A small fault appears to cut the Livingstone Creek gossan into two roughly equal and slightly dextrally offset portions. Rock chip samples from the gossans returned up to 2.37% Sn (TCR84-2290). Chip sampling in an adit at the northern end of the Livingstone Creek gossan returned 20 m at 0.5% Sn and 0.3% Cu and diamond drill hole LCD002 returned 10 m at 0.4% Sn and 0.1% Cu. Gold in soils over the dolomitic horizons in the Stanley River area commonly report in the range 50-200 ppb.

The CSR and Gencor drilling was focussed on geophysical and geochemical targets within the “Renison marker sequence” and returned up to 41 m at 0.4% Sn in GSR10 along with anomalous Cu and W. Spacing between drill holes ranges from 100 to 350 m over 2 km of strike. Most drill holes encountered granite at less than 100-200 m beneath surface, suggesting that the mineralised “Renison marker sequence” in the area is restricted to a wedge above the Meredith Granite. The north end of the Livingstone Creek gossan is underlain by granite at 15-30 m beneath surface, deepening to 140 m beneath surface around GSR10 approximately 170 m along strike to the southeast. Union interpretation suggests that the Stanley Reward gossan is a xenolith within the marginal zone of the Meredith Granite. The drilling also indicated numerous granite dykes, apophyses and/or fault slices beyond the main body of the Meredith Granite.

In 2007 tenement EL15/2007, which wholly includes the now EL1/2019, was granted to ASF Resources Ltd. In 2011 ASF Resources Ltd entered into a joint venture with China Coal Geology Engineering Corporation to explore for polymetallic mineralisation over the tenement under the joint venture company China Coal Resources Pty Ltd (CCR). From 2011 – 2013 the joint venture explored for epigenetic base metal mineralisation associated with Devonian granite emplacement, with Renison Bell type mineralisation and skarn

mineralisation being the primary exploration models (Yap, 2013). EL15/2007 was relinquished in 2015 (Derriman, 2015).

In 2019 VMS conducted a heliborne VTEM (Versatile Time Domain Electromagnetic) Max conductivity survey over its entire Mt Lindsay Project (MLP), with surveys lines extending over the north-west part of EL1/2019 for logistics purposes (Figure 2). VMS intends to conduct interpretation of these data to define VTEM targets within EL1/2019 in future tenement years.

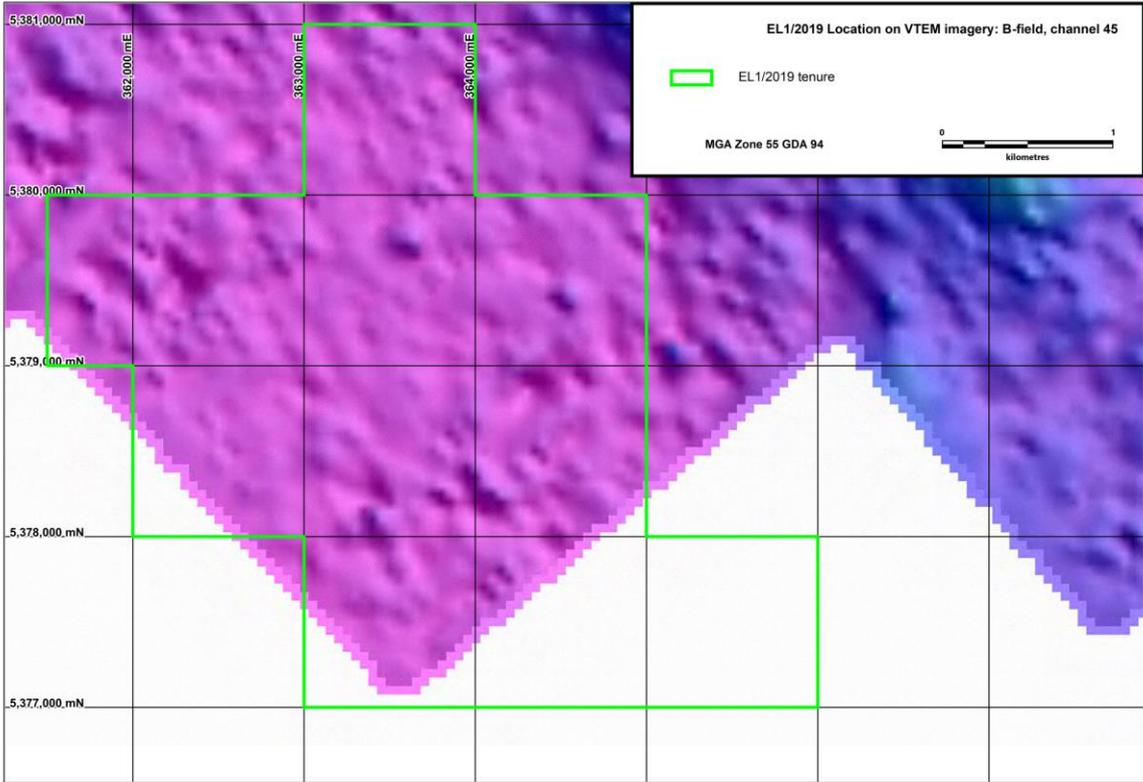


Figure 2: EL1/2019 location with the 2019 VTEM survey.

## 5 Geological Setting

The geology of the Mt Lindsay area is dominated by the steeply dipping, northwest southeast striking sedimentary and volcanic rocks of the Neoproterozoic – Early Cambrian Crimson Creek Formation, Success Creek Group and Oonah Formation, and is intruded by the Devonian Meredith Granite (Figure 3).

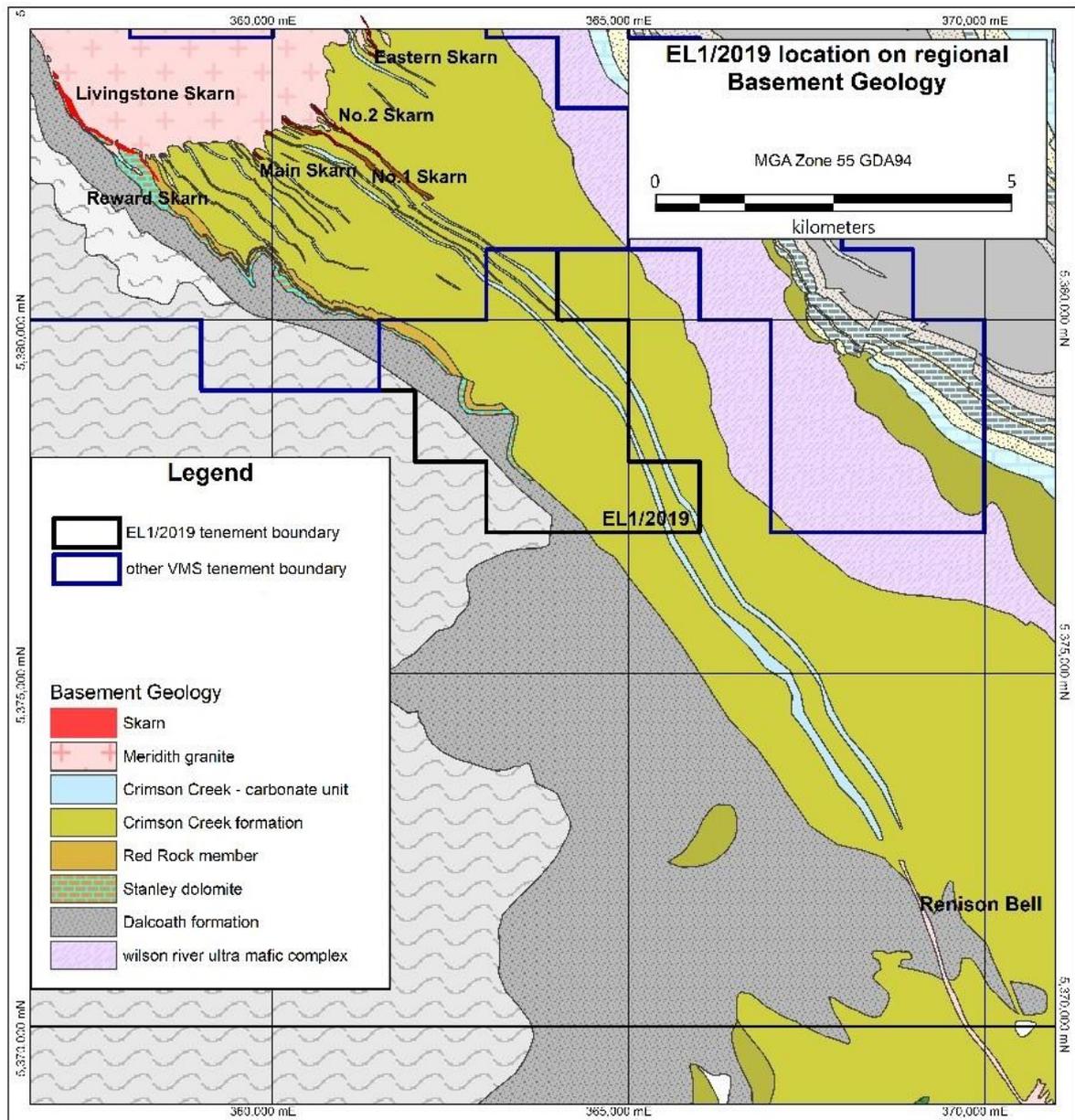


Figure 3 : Location of EL1/2019 with regional basement geology

The late Neoproterozoic - early Cambrian Crimson Creek Formation comprises mainly of thin to thick bedded greenish grey lithic sandstones, siltstones and mudstones with scattered horizons of laminated to thinly bedded light grey, green and pink felsic to mafic tuffites and thin to thick bedded calcareous sandstones, along with rare tholeiitic basalt flows. Total thickness in the nearby Mt Lindsay area is estimated at c. 5000 m (Owen, 2008). The early Cambrian Success Creek Formation comprises a sequence of sandstones, siltstones, volcanoclastics with minor carbonate beds and tholeiitic basalts. A significant marker is the Red Rock member of the Success Creek Formation, which outcrops in the vicinity of Salmons track, along most of the tenement. Although mostly recessive at surface, some outcrop of the conformable, directly underlying Stanley dolomite is also present. The Success creek group is underlain by the Neo-Proterozoic (1000-750Ma) Oonah Formation, a sequence of greywacke, pelites, siltstones and quartz sandstones. This unit was probably the precursor to the Dundas Trough (Zhang, 2011).

A broad contact metamorphic aureole is developed around the Meredith Granite, characterised by the development of fine-grained amphibole, cordierite, biotite and pyroxene hornfels (Owen, 2008). Carbonate units are locally present within all of the enclosing sedimentary units and locally form the protolith to a variety of proximal contact skarns, greisenized skarns and more distal carbonate replacement bodies.

EL1/2019 covers the Crimson Creek Formation, the Success Creek Group with its Red Rock Member and Stanley dolomite and the Oonah Formation. The large Federal – Bassett fault zone runs northwest – southeast through the tenement, although its true location is inferred. Up to 2km<sup>2</sup> in the north of the tenement are covered by quaternary stream alluvium, swamp and marsh deposits, beneath Lake Pieman.

Although there are no known mineral occurrences within the tenement, the large replacement tin deposit of Renison Bell is located approximately 5km to the southeast of the tenement's southern boundary. Further to the southwest of the tenement, tin mineralisation is developed within the aureole of the Devonian Heemskirk Granite both as veins associated with tourmaline and as alluvial deposits (Laffers, St. Dizier and Tasman River). Similar tin mineralisations occur to the immediate north of the tenement associated with the large Livingstone Creek Devonian granite batholith.

The principal exploration targets for Venture within EL1/2019 are carbonate replacement, greisenized skarn, and vein and greisen style tin and tungsten mineralisation.

## 6 Summary of Previous Work

The following table summarizes the previous work done on EL1/2019 by former tenement holders:

<b>Company</b>	<b>Period</b>	<b>Licence</b>	<b>Target</b>	<b>Exploration Activities</b>
Adamus Resources Ltd	2002 - 2011	EL18/2002	Ni, Platinoids & Au	Review of previous exploration & aeromagnetic results with follow-up stream sediment sampling and analysis
China Coal Resources Pty Ltd	2011 - 2015	EL 15/2007	Epigenetic base metals	Geological traversing, stream sediment sampling, trenching, track cutting, rock chip sampling, soil sampling

## **7 2020-2021 Anniversary Year Exploration Activities**

### **7.1 Desk Studies**

All available historic exploration results were compiled and Mt Lindsay 2019 VTEM survey was reviewed. No obvious conductors was noticed during review of 2019 VTEM survey over E1/2019, however a Sn-W mineralised skarn hosting disseminated sulphide mineralisation wouldn't return a strong EM anomaly.

### **7.2 Geological mapping**

During the 2021 anniversary year, geological mapping of the Red Rock Member marker bed and of the Stanley dolomite was undertaken. 109 field stations were recorded and geologically described. It was found that the conglomerate in the Red Rock Member was much more extensive than previously thought. Refer to Appendix A for locations and geological descriptions of field stations and to Appendix B for logging codes.

### **7.3 Surface Sampling**

#### **7.3.1 Rock sampling**

29 rock samples, from the aforementioned field stations, were collected during the 2021 anniversary year. Locations of rock sample locations are shown in Figure 4. Descriptions and locations of rock samples selected for assay are tabulated in Appendix C, refer to Appendix B for logging codes. Thin sections were organised for three of the representative lithologies. Further samples may be selected for assay in the following tenement year.

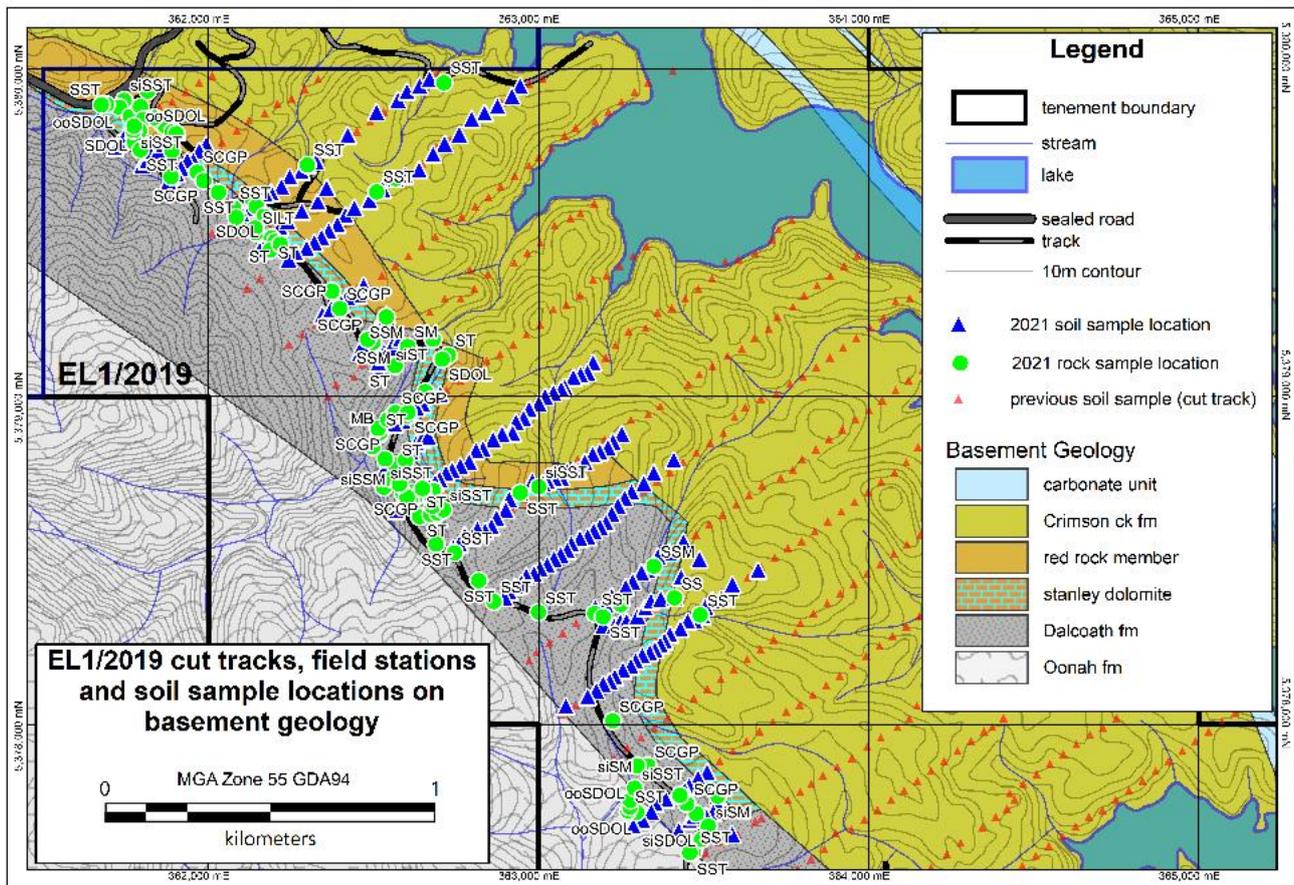


Figure 4. Location of tracks and sample locations, on basement geology.

### 7.3.2 Soil sampling

Soil sample lines were planned across strike and target lithologies. 252 soils samples were collected from along previously cut transects and intermediate locations. Soils were collected from 10-60cm depth using a hand-held auger, then sieved through +1.6mm mesh. Finer fraction was retained and sent for assay.

This year's soil sample locations, as well as historic soil sample locations, are shown in Figure 4. Refer to Appendix D for soil sample locations and assays.

A brief critique of the assay methods used by CCC in 2011 – 2013 was undertaken, and their results compared to the VMS 2020 – 2021 results. For elements such as Fe, Cu and Pb, the results were comparable (figure 5). No assay for soluble Sn was undertaken by CCC and detection limits for trace pathfinder elements such as Bi, and As seemed much higher.

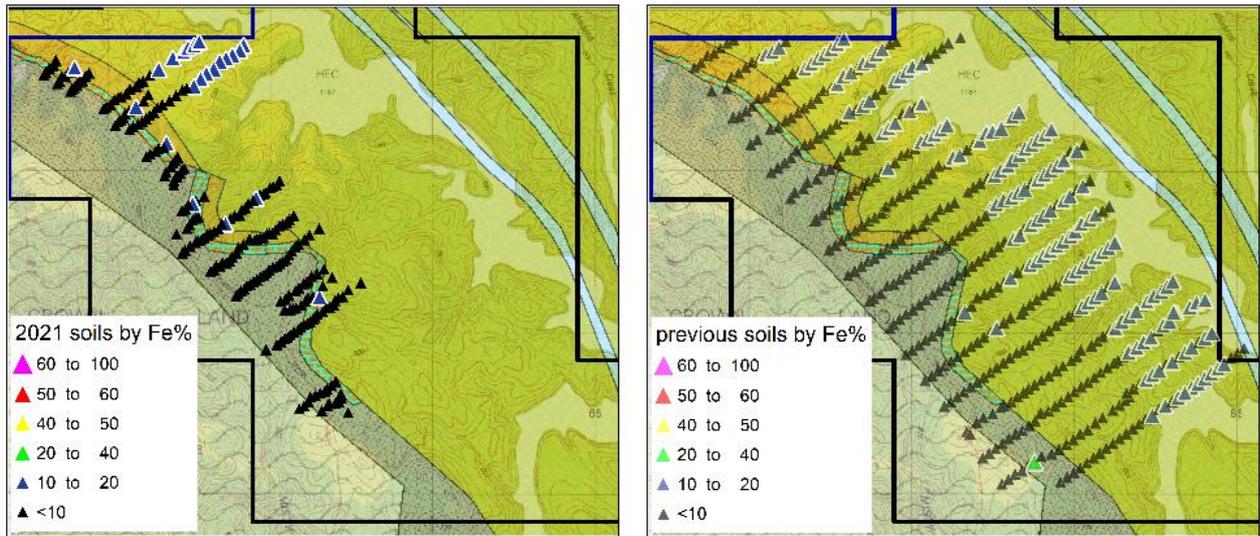


Figure 5. Comparison of soil Fe for similar locations 2020 and 2011 (refer to figure 4 for location).

Selected preliminary plots for VMS assays of known pathfinder elements are shown in figure 6 and figure 7, with geochemical interpretation to be undertaken in the following tenement year.

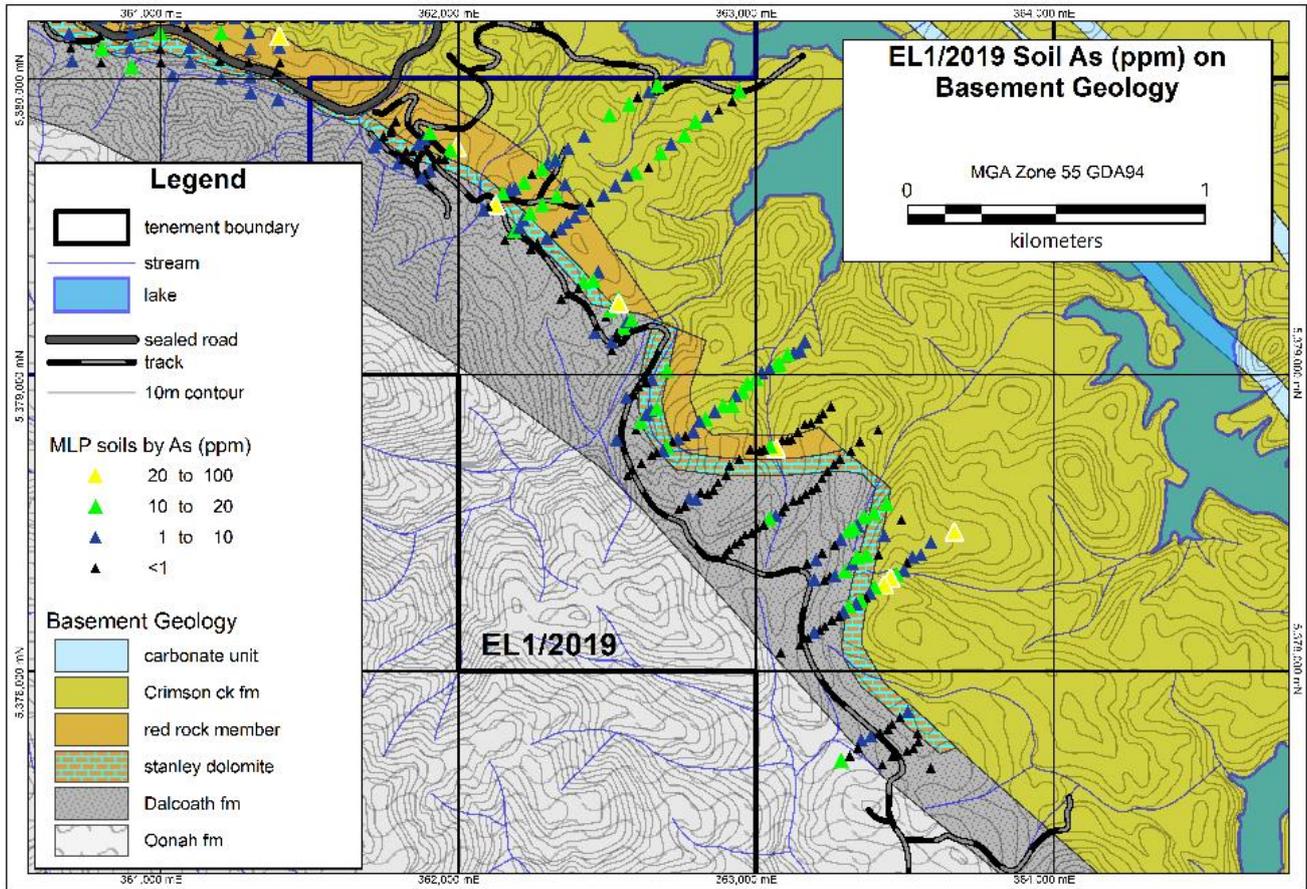


Figure 6. EL1/2019 soil by As (ppm) on basement geology

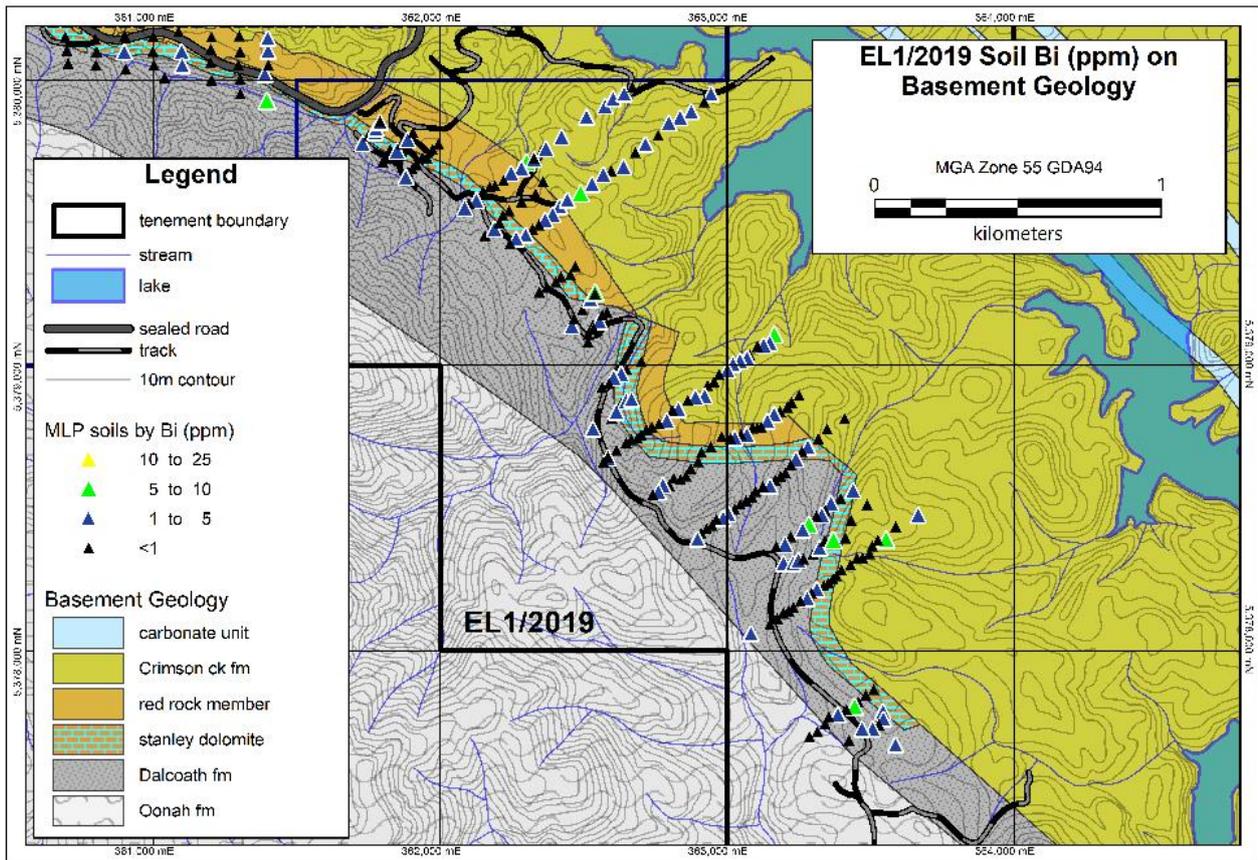


Figure 7. Soil by Bi (ppm) on basement geology.

#### 7.4 Geological interpretation

Based on the soil and rock data, and on field observations, a revised lithologic map of the area was produced, see Figure 7. The revised basement interpretation shows the ground-truthed extents of the Red Rock Member, conglomerate and Dalcoath formation, and thus the inferred contact between the Stanley dolomite and the Success Creek Group. Further detailed geological mapping will be undertaken in the following tenement year.



## 9 Objectives and Rationale

The previous holders cut very nice tracks,  
But their assay methods were lacking.  
And truth be told, their hearts just weren't in it,  
Twas the leeches and baurer sent them packing.

But there's potential there, It's in the name -  
And Stanley's a proven host.  
And along strike from one or two  
world class deposits: not that we'd boast.

Thus, explore we must, because  
There is so much more to know.  
Like, how deep is the source? And where,  
does ole Federal Bassett really go??

And close to the road, in scrappy regrowth  
Where the train passes by thrice a week  
(Though still, on the wrong side of the lake)  
there'll be less for naysayers to critique.

So let us sample hundreds of soils,  
Then drill below, and take a peek  
For, a better new world run on batteries –  
It's tin (and tungsten) we seek.

## 10 References

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## **Appendix A: Geological mapping**



H1000	Sample_id	Easting	Northing	Elevation	Lith1	Lith2	Lith3	Description	Outcrop	Comments	Surv_accu
D	EHST018	362,169	5,379,555	192	SDOL			svfg mw siliceous wt sedimentary rock with possible oolitic texture	subcrop	Same as EHST017	17
D	EHST019	362,144	5,379,505	195	SILT	SAND		gy silt	float	grey sandy silt forming yabby holes	20
D	EHST020	362,141	5,379,519	199	siSM	siSCGP		silicious rd rock and microconglomerate	float	highly weathered unit. Orange, brown, red, white and yellow. Photo taken	17
D	EHST021	362,192	5,379,490	202	ST			dgy and lgy lam siltstone	outcrop	moderately weathered	16
D	EHST022	362,202	5,379,479	197	ST			lgy and og lam siltstone	outcrop	photo taken	14
D	EHST023	362,639	5,378,639	213	ST			dgy laminated siltstone	outcrop	prominant road cutting. Shallow dipping. Measurement made	8
D	EHST024	362,690	5,378,644	218	ST			lam rd and og siltstone	outcrop	photo and sample taken	8
D	EHST025	362,673	5,378,645	224	ST			dgy lam siltstone	float	gravels in yabby holes	8
D	EHST026	362,694	5,378,650	221	SCGP			siliceous rd and og polymictic microconglomerate with qz crystals. Siliceous gy lam siltstone	float	all gravel/cobbles/boulders in creek bed	8
D	EHST027	362,711	5,378,660	229	siSST			silicified rd to drd mottled siltstone with concretions and vugs	outcrop	vugs up to 5cm	8
D	EHST028	362,710	5,378,660	218	SCGP			mw rd and og polymictic microconglomerate	float	in root bowl and possible outcrop	8
D	EHST029	362,679	5,378,671	214	siSM			siliceous drd mudstone sub rounded boulders	float	under root bowl and possible outcrop	8
D	EHST030	362,680	5,378,719	203	SCGP			microconglomerate	float	in creek bed and banks	8
D	EHST031	362,651	5,378,709	215	SCGP			rd-og microconglomerate	float	in root bowl	8
D	EHST032	362,624	5,378,697	222	SCGP			siliceous altered wt and pk microconglomerate			21
D	EHST033	362,616	5,378,713	224	siSCGP	siSST		siliceous microconglomerate and siliceous red siltstone with mas py in vugs.	float	sample taken SCZW004 photo taken	10
D	EHST034	362,589	5,378,712	222	SCGP			mw rd microconglomerate	float	float under upturned tree	10
D	EHST035	362,531	5,378,728	183	siSST			siliceous dark grey laminated siltstone weathering to light grey/orange. Also a hard, very fine grained black rock with high specific gravity.	float	could be basalt from road construction or silicified siltstone?	15
D	EHST036	362,554	5,378,754	202	siSSM			siliceous rd mudstone and polymictic microconglomerate	float	very hard (hammer rings and sparks)	7
D	EHST037	362,612	5,378,685	219	ST			dgy lam siltstone	outcrop	10m road cutting, nearly flat lying with some siliceous sections	7
D	EHST038	362,602	5,378,698	217	siSDOL			dgy siliceous rock with no bedding	float	float in road, possible oolitic texture, possibly dolomite?	7
D	EHST039	362,578	5,378,738	210	SCGP			hematite rich rd polymictic microconglomerate	outcrop	10m road cutting	10
D	EHST040	362,566	5,378,798	198	ST			hematite altered rd bn laminated siltstone	subcrop	trench on side of road	10
D	EHST041	362,535	5,378,815	182	SCGP			weathered rd silicified microconglomerate	outcrop	o/c in old road cutting. sparks with hammer hit	10
D	EHST042	362,497	5,378,852	161	ST			dk gy lam siltstone, steeply dipping and open folded	outcrop	o/c in creek bed and banks, steeply dipping and gently folded. measurement taken. Flagged track along creek.	15
D	EHST043	362,518	5,378,890	165	ST			dk gy lam siltstone, steeply dipping	float	o/c in creek bed and banks	10
D	EHST044	362,518	5,378,894	165	MB			fine grained dark grey igneous?? (ifg) rock with wt veinlets with wt shiny platy crystals (<1mm)	float	sample taken SCZW005	10
D	EHST045	362,514	5,378,908	177	ST	SST		rd and og lam siltstone and sfg sandstone with crossbedding. Right way up.	outcrop	measurement made.	10
D	EHST046	362,544	5,378,935	173	SST			lgy interbedded mudstone and siltstone	outcrop	outcrop in creek bed	10
D	EHST047	362,566	5,378,956	186	SCGP			altered pk and wt microconglomerate and siliceous drd vuggy mudstone.	float		10
D	EHST048	362,601	5,378,946	194	siSCGP	siSSM		rd silicious microconglomerate and silicious dark red mudstone	outcrop	very hard. Produces sparks.	10
D	EHST049	362,727	5,379,131	163	ST			gy dgy lam siltstone with rd and og weathering	outcrop	road cutting	4
D	EHST050	362,708	5,379,119	168	SDOL	ST	SST	very hard black siliceous massive rock between grey siltstone and red siltstone and sandstone.	outcrop	possibly dolomite between the two units but only 5cm thick. Sample taken. HCL negative.	10
D	EHST051	362,680	5,379,180	153	siST			dgy / pl silicious sfg siltstone with a vein of green alteration mineral.	outcrop	Sample taken.	10
D	EHST052	362,603	5,379,158	166	SM	SST		gy and lbn tnb mudstone, and interbedded gy lbn sgf sandstone and dgy to bk lam siltstone.	outcrop	outcrop in substantial road cutting above creek (approx 25m by 4m total). steeply dipping	10
D	EHST053	362,565	5,379,099	167	ST			laminated gy siltstone	outcrop	in road cutting	10
D	EHST054	362,498	5,379,170	187	SSM			interbedded lam to tnb gy scg sandstone and mudstone	outcrop	shallow dipping 0.5cm-5cm thick.	10
D	EHST055	362,482	5,379,179	190	SCGP			altered og wt and rd polymictic microconglomerate	outcrop		10
D	EHST056	362,398	5,379,273	210	SCGP			vw rd og and wt polymictic microconglomerate	subcrop	in trench	10
D	EHST057	362,374	5,379,327	210	SCGP			strongly altered wt microconglomerate with pebble sized siliceous concretions	outcrop	Concretions are subrounded, with a very white, fine grained, hard nucleus. photo taken	10
D	EHST058	362,187	5,379,452	200	ST			lam gy siltstone	outcrop		10
D	EHST059	362,218	5,379,470	197	siSDOL			highly siliceous dark grey fine grained rock with red staining and white veinlets	float	float on side of road next to creek crossing.	10
D	EHST060	363,469	5,377,618	217	SST			hard, silicious, gy, metasediments, weathered to clay in places	outcrop	in road base and cuttings. Most southern point of interest on salmons track (and EL1/2019 tenement)	8
D	EHST061	363,515	5,377,695	228	siSM			rd siliceous meta-mudstone	outcrop		8

H1000	Sample_id	Easting	Northing	Elevation	Lith1	Lith2	Lith3	Description	Outcrop	Comments	Surv_accu
D	EHST062	362,745	5,378,528	260	SST			gy lam siltstone	outcrop	o/c in road cutting. Small obvious fold in thinly bedded (1-5cm) rock in road at top of hill at southern extent of temement. Change in vegetation to gahnia, bauera, leptospermum scrub. Photos and sample taken	8
D	EHST063	363,459	5,377,614	214	SST			gy and dgy lam siltstone with steeply plunging small scale isoclinal folds AND lgy sfg micaceous siltstone	subcrop		7
D	EHST064	363,494	5,377,655	214	siSDOL			bk and wt (near translucent) svfg siliceous rock with some oolitic texture	float	float on roadway	7
D	EHST065	363,478	5,377,733	219	siSM			rd siliceous mudstone with pebble sized concretions	float	float on roadway	7
D	EHST066	363,449	5,377,764	218	SCGP			rd mw polymictic clast supported microconglomerate with rounded to subrounded scg red and white clasts	float	float on roadway	7
D	EHST067	363,429	5,377,789	219	SCGP			rd ww polymictic microconglomerate with vuggy texture and iron rich weathering products. Clasts are 1 - 2 mm, subrounded, rd and wt,	float	float under tree rootball	7
D	EHST068	363,331	5,377,879	216	SCGP			rd polymictic microconglomerate and silicified fibne grained very hard red rock	float	float in road base and on sides	7
D	EHST069	363,296	5,377,737	199	ooSDOL			bk oolitic? clasts in white silicified matrix, svfg	float	float in creekbed	7
D	EHST070	363,270	5,377,742	199	SST			gy lam siltstone	float	float under rootball	10
D	EHST071	363,276	5,377,753	198	ooSDOL			oolitic dolomite	float	float in creek bed	10
D	EHST072	363,275	5,377,778	202	na			rd og bn SILT and SMUD	float	seep / leechate adjacent to creek. Red orange brown anoxic sludge (silt and mud) with no odour. Boggy, gossan-y. See photos	10
D	EHST073	363,278	5,377,774	207	SST			dgr lam siltstone	float	under tree roots	10
D	EHST074	363,291	5,377,811	214	siSST			siliceous gy siltstone, steep dipping to NE	outcrop	above creek bank	10
D	EHST075	363,299	5,377,879	219	siSM			siliceous rd mudstone with Fe rich concretions and small vuggy qz veins (HCL-) AND vuggy rd micro conglomerate with small qz crystals	float		10
D	EHST076	363,224	5,378,016	232	SCGP			pl haematite altered micro SCGP	subcrop	Subcrop and float (in road cutting and base) Very heavy	6
D	EHST077	363,170	5,378,343	242	SST			gy lam siltstone, some siliceous areas and sfg	outcrop	road cutting	6
D	EHST078	363,195	5,378,334	241	SST			gy lam siltstone and rd SCGP	float	float and alluvium in creek. Possible contact btwn grey and red units, with recessive dolomite forming creek / small reentrant	6
D	EHST079	362,999	5,378,347	246	SST			gy siliceous lam siltstone	subcrop		6
D	EHST080	362,865	5,378,380	246	SST			dgy and lgy lam siltstone	outcrop	subcrop in road base and outcrop in road cutting. Steeply dipping see photo. Steeply dipping 85/347 (see photo). og and rd staining on jn surfaces	6
D	EHST081	362,818	5,378,444	251	SST			gy siliceous and and siltstone	outcrop		9
D	EHST082	362,689	5,378,555	238	SST			gy and dgy lam siltstone	outcrop		9
D	EHST083	362,657	5,379,020	165	SCGP			Vuggy mw polymictic clast supported micro conglomerate. Silicified and iron stained, pl, rd and bk clasts. Strongly magmetic in places	outcrop	outcrop in roadside, subcrop in road (see photo). Sample taken from magnetic subcrop	9
D	EHST084	361,858	5,379,838	158	SCGP			vw SCGP	outcrop	in road cutting	9
D	EHST085	361,870	5,379,830	164	SST			dgy and lgy lam siltstone	outcrop	outcrop and subcrop. steeply dipping, 75/340	6
D	EHST086	361,891	5,379,813	176	siSDOL	SST		bk siliceous rock, svfg, with wt qz stockwork veinlets	outcrop	outcrop in road cutting, behind approx 10cm (two beds) of mw rd og lam siltstone. Sample taken	6
D	EHST087	361,903	5,379,807	186	SCGP	siSM		mw rd siliceous polymictic micro conglomerate AND rd siliceous mudstone	outcrop	outcrop in road cutting and float (angular - subangular boulders) in piles around trees and stumps	5
D	EHST088	361,836	5,379,856	176	SST			rd, haematite altered, silicified, svfg siltstone, drd pl with patches of silicified rd, weakly magnetic	outcrop	road cutting. Steeply dipping, joints parallel to bedding	7
D	EHST089	361,816	5,379,937	155	siSM			rd siliceous mudstone, haematite altered	outcrop		6
D	EHST090	361,887	5,379,676	207	SST			lam sub horizontal dipping siltstone	float	see photo. Also STS008 (soil sample point)	6
D	EHST091	361,772	5,379,817	182	SDOL	ooSDOL		svfg black and white siliceous rock with some oolitic textures	outcrop	HCL- Also STS020 (soil sample point)	7
D	EHST092	361,775	5,379,830	172	ooSDOL			svfg black fine grained siliceous rock with oolitic texture	float	Float down auger hole and in tree root balls	7
D	LARNW198	362,447	5,379,944	0	SM			rd hematitic smdt	Outcrop		7
D	RNW098	361,736	5,379,974	0	SM			medium bedded hematitic smdt	outcrop		na
D	SOML053	361,736	5,379,952	0	ST			weakly bedded maroon siltstone forming road cuttiung c. 20m long	outcrop		7
D	SOML054	361,778	5,379,985	0	ST	SCGL		thin-med bedded maroon tuffite & maroon pebble conglomerates	outcrop		15
D	SOML055	361,626	5,379,892	0	ST			laminated to thin bedded dk gy & bk argillite & minor thin beds of fg lt gy ?quartzwacke	outcrop		na
D	SOWL022	365,997	5,377,094	0	SM			ridge crest brown siltstone frags in regolith brought up on tree rootball	outcrop		na



## **Appendix B: Logging codes**

<b>Lithologic Codes</b>	<b>Description</b>
<b>Regolith (R*)</b>	
R	undifferentiated regolith
RCAC	calcrete
RSIC	silcrete
RFEC	ferricrete
RL	undifferentiated laterite
RLG	lateritic gravel (loose)
RLI	in situ laterite
RLT	transported laterite or cemented lateritic gravel
RCLY	in situ clay
RSAP	undifferentiated saprolite
RGOS	gossan ("iron cap") = iron oxide rock formed by weathering of sulphide rick rock. Textural or mineral prefix as appropriate (e.g. aciRGOS = acicular gossan, mcRGOS = malachite gossan)
<b>Unconsolidated Sediments (S*)</b>	
S	undifferentiated sediment
SLG	lateritic gravel
SGVL	unconsolidated gravel
SPCS	unconsolidated pebbly or cobbly sands
SAND	unconsolidated sand
SILT	unconsolidated silt
SMUD	unconsolidated mud
SCLY	unconsolidated clay (transported)
cyRB	regolith breccia with clay matrix
<b>Sedimentary Rocks (S*)</b>	
SS, qzSS, volcSS, lithSS, ccSS	>75% sandstone (undifferentiated) over minimum 5m logging interval, prefixes qzSS = quartz sandstone, lithSS = lithic sandstone, volcSS = volcanogenic sandstone, ccSS = calcareous sandstone
SM	>75% mudstone over minimum 5m logging interval
ST	>75% siltstone over minimum 5m logging interval
SSM	25-75% sandstone & mudstone over minimum 5m logging interval
SST	25-75% sandstone & siltstone over minimum 5m logging interval
SMH	shale
SML	slate
SMA	argillite (weakly metamorphosed mudstone)
SMP	phyllite
SGRT	grit
SSPC	pebbly or cobbly sandstone
SSIC	intraclastic sandstone and conglomerate
SCG	conglomerate
SCGR	mud chip conglomerate (rip-ups)
SCGM	monomict conglomerate
SCGP	polymict conglomerate
SBRM	monomict breccia
SBRP	polymict breccia
SCB, ooSCB, stSCB, bcSCB	undifferentiated carbonate, prefixes oo = oolitic, st = stromatolitic, bc = bioclastic
SLST	limestone
SDOL	dolomite
STIL	tillite
STUF	tuffite (redeposited)
SLAP	redeposited lapilli-stone
SCHT	chert
SBIF	banded iron formation
SLIG	lignite
<b>Igneous Rocks (U* for Ultramafic, M* for Mafic, I* for Intermediate, F* for Felsic)</b>	
UM	undifferentiated ultramafic
UDUN	dunite
UHAR	harzburgite
UPX	pyroxenite
UPD	peridotite
USERP	serpentinite
UKIM	kimberlite
ULAP	lamproite
ULAY	ultramafic lamprophyre
UK	komatiite (undifferentiated)
UKSTX	spinfex textured part of komatiite flow
UKoOC	olivine orthocumulate part of komatiite flow
UKoMC	olivine mesocumulate part of komatiite flow
MG	gabbro
MGL	leucogabbro
MD	dolerite
MB	basalt

<b>Lithologic Codes</b>	<b>Description</b>
MBHM	high-magnesium basalt
MBP	pillow-basalt
MBHY	basaltic hyaloclastite
MLAP	mafic lapilli-stone
MTUF	mafic tuff
IAND	andesite
IDIO, pxIDIO, amIDIO, btIDIO	diorite, with lower case mineral prefixes for key mafic phases, eg btIDIO, amIDIO, pxIDIO
F	undifferentiated felsic rock
FG, amFG, pxFG, btFG	undifferentiated granitoid, with lower case mineral prefixes for key mafic phases, eg btFG, amFG, pxFG
FGRA, amFGRA, btFGRA	granite, with lower case mineral prefixes for key mafic phases, eg btFGRA, amFGRA
FGRD, amFGRD, btFGRD	granodiorite, with lower case mineral prefixes for key mafic phases, eg btFGRD, amFGRD
FMON, amFMON, btFMON	monzonite, with lower case mineral prefixes for key mafic phases, eg btFMON, amFMON
FSYE, amFSYE	syenite, with lower case mineral prefixes for key mafic phases, eg btFSYE, amFSYE
FTUF	felsic tuff
FV	undifferentiated felsic volcanic rock
FRHY	rhyolite
FDAC	dacite
FPEG	pegmatite
FIGM	ignimbrite
<b>Metamorphic &amp; Metasomatic Rocks (Z*)</b>	
ZSCH	undifferentiated schist
mZSCH	undifferentiated mafic schist, typically dominated by amphibole, chlorite and/or biotite with lesser feldspar, quartz, accessory leucoxene etc...
fZSCH	undifferentiated felsic schist, dominated by quartz & feldspar, muscovite, & accessory mafic minerals
btZSCH, btclZSCH, tcZSCH, etc...	biotite schist, biotite-chlorite schist, etc... using mineral code prefixes for only the distinguishing minerals
ZGNS	undifferentiated gneiss
btZGNS, kspZSCH, etc...	biotite gneiss, k-feldspar gneiss, etc... using mineral code prefixes for the key minerals
ZAMP	undifferentiated amphibolite
ZHF, pxZHF, btZHF, andZHF	hornfels = ZHF, microcrystalline, up to 2 lower case mineral prefixes as appropriate, eg. btZHF, andZHF, pxZHF etc...)
ZMRB, gtZMRB, olZMRB, veZMRB, etc...	marble, with up to 2 key alteration mineral prefixes, eg gtZMRB, gtpxZMRB, olZMRB, srZMRB, veZMRB
ZXS, gtZXS, gtpxZXS, woZXS	ZXS = exoskarn, with maximum 2 dominant mineral prefixes in alphabetical order, eg gtZXS, gtpxZXS, ccwoZXS, woZXS, gtmtZXS, cpygtZXS etc...
ZNS, gtpxZNS, epZNS,	ZNS = endoskarn (skarn formed within genetically related granitoid), with up to 2 dominant mineral prefixes in alphabetical order, eg epgtZNS, epZNS, pxZNS
ZGRS, tzZGRS, qztuZGRS	ZGRS = greisen comprising fine saccharoidal aggregate of quartz and muscovite, with up to 2 dominant mineral prefixes, eg. tzZGRS, qztuZGRS
<b>Veins (V)</b>	
*V	Veins, up to 2 key mineral prefixes as appropriate (eg qzV, qztuV), only use in Lith1 column
*VB	Vein breccias, up to 2 key mineral prefixes as appropriate according to mineralogy of cement (eg clccVB), only use in Lith1 column
<b>Hydrothermal Breccias, Faults and Shear Rocks (X*)</b>	
XHB	hydrothermal breccia
XMYL	mylonite
XFB	Fault breccia - incohesive >30% clastic
XFG	Fault gouge - incohesive <30% clastic
XFC	Fault cataclasite - cohesive more than >30% clastic
<b>No Recovery &amp; Cavities (N*)</b>	
NCAV	cavity
NREC	no sample recovery (unknown problems)
NSAV	sample no longer available (applies to relogging)

Mineral Codes	
aca	acanthite
act	actinolite
aik	aikinite
ala	alabandite
alb	albite
alm	almandine
am	amphibole
ana	anatase
adl	andalusite
and	andradite
ank	ankerite
ano	anorthite
atq	antigorite
ars	arsenates
asp	arsenopyrite
aue	auerite
aug	augite
ax	axinite (Ca-Mg-Al borosilicate)
az	azurite
bar	baryte
bth	berthierite
byl	beryl
bt	biotite
bim	bismuthinite
bor	borate (undifferentiated)
brn	brannerite
bau	braunite
bru	brucite
bus	bustamite
cc	calcite
can	canfieldite
cb	carbonate (undifferentiated)
cs	cassiterite
cer	cerrusite
cha	chalcedony
cpy	chalcopyrite
cvx	chenevixite
cl	chlorite
cdp	chrome diopside
chr	chromite
cyb	chrysoberyl
crp	chrysoprase
crt	chrysotile
cin	cinnabar
cy	clay (undifferentiated)
cpx	clinopyroxene
cob	cobaltite
col	columbite
cd	cordierite
cos	cosalite
cub	cubanite
da	danalite
dd	diamond
di	diopside
dol	dolomite
dum	dumortite
elc	electrum
eng	enargite
ep	epidote
fay	fayalite
fsp	feldspar
fe	fe-oxide or hydroxide
feg	fergusonite
flu	flourite
flb	fluoborite
for	forsterite
gal	galena
gt	garnet
go	goethite
Au	gold
gra	graphite
grs	grossular
hau	hausmannite
hed	hedenbergite
he	hematite
hb	hornblende
hul	hulsite
ilt	illite
ilm	ilmenite
ilv	ilvaite
ixi	ixiolite
jap	jalpaite
jam	jamesonite
ka	kaolin
kes	kesterite
ksp	k-feldspar (undifferentiated)
kob	kobellite
ky	kyanite
lau	laumontite
lep	lepidolite
lx	leucoxene
lm	limonite (undifferentiated iron oxyhydroxide)
loi	loellingite
lw	ludwigite
luz	luzonite
mg	magnesite
mt	magnetite
mic	malachite
mly	malayaite
mi	mica (undifferentiated)
mcr-pcl	microlite-pyrochlore
mn	mn-oxides
ms	moissanite
mol	molybdenite
mz	monazite
mon	montmorillonite
mu	muscovite

nac	nacrite
Bi	native bismuth
ol	olivine
ops	opaline silica
or	orthoclase
sxo	oxidised sulphide
pav	pavonite
pnt	pentlandite
pv	perovskite
pen	phenacite
phl	phlogopite
pl	plagioclase
pbs	polybasite
pcr	polycrase
pmg	polymignyte
prh	prehnite
pru	proustite
pyg	pyrargyrite
py	pyrite
pp	pyrope
px	pyroxene
po	pyrrhotite
qz	quartz
rhd	rhodenite
rdc	rhodochrosite
rf	rock fragments
rut	rutile
sam	samaraskite
sa	saponite
scp	scapolite
sh	scheelite
sco	scorodite
se	sercite
sr	serpentine
sd	siderite
si	siliceous
spc	specularite
sph	sphalerite
spn	spinel
spd	spodumene
slan	stannite
snd	stannoidite
stb	stibnite
sb	stibite
stp	stilpnomelane
stv	strueverite
sx	sulphide
tc	talc
tap	tapiolite
tt	tetrahedrite-tennantite
ti	titanite (sphene)
tz	topaz
tu	tourmaline
trm	tremolite
ve	vesuvianite (idocrase)
vo	vonsenite (Fe borate)
wlf	wolframite
wo	wollastonite
ze	zeolites
zin	zinnwaldite

<b>Texture Codes</b>	
<b>aci</b>	<b>acicular, mineral specific types coded with mineral code followed by a (eg mta = acicular magnetite)</b>
amg	amygdaloidal
anh	anhedral
bdn	boudins
blb	blobs; reasonably circular-ovoid, sharp-diffuse alteration shapes; ie. am-po-qz in hornfels.
blt	blotchy; harsher more irregular than mot, characteristic of recrystallised carbonate ie. in ccSS
bnd	banded
bot	botryoidal
bxw	boxwork
ctc	chaotic; disturbed bedding by structural or soft-sediment deformation; not an alteration product
chk	chunky
cqp	<b>specifically quartz prisms in calcite matrix</b>
col	cauliflower texture (of mineral growth)
den	dendritic
dis	disseminated
euh	euohedral
egg	equigranular
fol	foliated
gph	graphic & micrographic texture (as in granites)
grd	graded bedding
<b>grn</b>	<b>granular texture (cf acicular or tabular textures), mineral specific types coded with mineral code followed by g (eg mtg = granular magnetite, gtg = granular garnet texture)</b>
gtp	specifically garnet or ex-garnet porphyroblastic texture
hbr	healed breccia (texture) ie. pre-alteration breccia that has been overprinted
lam	laminated
mas	massive
mos	mosaic
mot	mottled; irregular/diffuse patchy alteration running across bed boundaries, particularly in hornfels
mta	acicular magnetite (after vonsonite)
mtg	granular magnetite
mzn	mineral zoning in fine laminae
oph	ophitic
<b>orb</b>	<b>orbicules of any mineral, typically concentrically layered or zoned, mineral specific types coded with mineral code followed by o (eg veo = vesuvianite orbicules)</b>
<b>pbl</b>	<b>porphyroblastic, large metamorphic or metasomatic minerals in a finer matrix</b>
pcl	porphyroclastic
plt	platy (as in coarse mica, but also seen in pyrrhotite + others?)
ppy	porphyritic
psm	general prismatic texture code which could apply to a number of minerals
rcz	recrystallised
ruc	rip-up clasts; distinguish in comments between Carter's-like (small, platy), and large & irregular
sch	schistose
scl	cleaved
shz	shear or shear zone
spk	dark minerals such as biotite or magnetite scattered though paler matrix
s-p	specifically salt and pepper skarn with atoll textured magnetite with microscopic qz prisms and feldspar, in siderite matrix
spt	spotted, such as spotting in a hornfels
<b>sqp</b>	<b>specifically quartz prisms in siderite matrix</b>
stk	streaky; characteristic of vw RCLY
stwk	stockwork
sub	subhedral
<b>tab</b>	<b>tabular, mineral specific types coded with mineral code followed by t (eg vet = vesuvianite tablets)</b>
tad	am+po spots with tales in px matrix
tuf	tuffaceous
ves	vesicular
vet	tabular vesuvianite texture
wrg	wrigglite
<b>Structure Codes</b>	
bkn	weak core broken by drilling (typically near beginning of hole)
brc	brecciated
flt	fault
frz	fracture zone
ftz	fault or fault zone
mcf	microfaults- displacement <1cm scale
slk	slickensides
sfl	small-scale folding (<4m period)
ssf	small-scale faulting (>1cm, <core diameter)
ssd	soft sediment deformation; disturbed protolith (precursor to ctc texture?)
BCA	acute angle between core axis and bedding (=alpha)
SCA	acute angle between core axis and cleavage or schistosity (=alpha)
FCA	acute angle between core axis and fault (=alpha)
<b>Sedimentary Bedding Codes</b>	
lam	laminated (<10mm)
tnb	thin bedded (10-100mm)
mdb	medium bedded (100-300mm)
tkb	thick bedded (>300mm)
vtkb	very thick bedded (>1m)
<b>Sedimentary Grain size</b>	
svfg	very fine grained <64 um (mud, silt & clay)
sfg	fine grained 64 um to 0.25 mm (fine sand)
smg	medium grained 0.25 to 0.5mm (medium sand)
scg	coarse grained 0.5 to 2 mm (coarse sand)
svcg	very coarse grain >2mm (2 - 4mm granules, 4 - 16mm pebbles, 16-256 mm cobbles, >256 mm boulders)
<b>Igneous &amp; Metamorphic Grain Size</b>	
ifg	fine grained <1 mm
img	medium grained 1-5 mm
icg	coarse grained 5-30 mm
ipg	pegmatitic >30 mm
<b>Weathering Codes</b>	
vw	very weathered, BOTH PRIMARY TEXTURE & MINERALOGY DESTROYED by weathering, no sulphide, generally dominated by Fe and Al oxides and/or silica (= laterite, duricrust, lateritic gravel & massive textureless clays)

mw	moderately weathered, PRIMARY TEXTURE REMAINS but MINERALOGY SECONDARY clays (= saprolite)
ww	weakly weathered, MAINLY PRIMARY TEXTURE & MINERALOGY, low clay content, partially oxidised sulphide (= saprock & fresh rock with iron staining and clay development restricted to fractures)
fr	fresh (completely primary texture & mineralogy without significant iron staining on fractures)
<b>Moisture Codes</b>	
S	Sloppy
M	Moist
D	Dry
<b>Colour Codes</b>	
l	light (e.g. lgn = light green, lgy = light grey)
d	dark (e.g. dgn = dark green, dgy = dark grey)
bk	black
bl	blue
bn	brown
bz	bronze (e.g. sulphides such as pyrrhotite & pyrite)
cm	cream
gn	green
gy	grey
kk	khaki
og	orange
ov	olive
pk	pink
pl	purple
rd	red
wt	white
yw	yellow
<b>Sample Recovery Codes</b>	
ideally measured as weight in kg, below codes for estimates	
e	excessive
g	good
m	moderate
p	poor
n	none

## **Appendix C: Rock sampling**



## **Appendix D: Soil sampling**

H0002	Version	1												
H0003	Date_generated	1/12/2021												
H0004	Reporting_period_end_date	3/12/2021												
H0005	State	TAS												
H0100	Tenement_no	EL1/2019												
H0101	Tenement_holder	Venture Minerals Ltd												
H0102	Project_name	Salmons' Creek												
H0106	Tenement_operator	Venture Minerals Ltd												
H0200	Start_date_of_data_acquisition	16/01/2021												
H0201	End_date_of_data_acquisition	5/03/2021												
H0202	Template_format	SG_1												
H0203	Number_of_data_records	252												
H0204	Date_of_metadata_update	1/12/2021												
H0300	Related_data_files													
H0305	Surface_Geochem_data_file	EL1_2019_2021_AppendixD_soil sampling												
H0308	File_verification_list													
H0318	QAQC_data_file													
H0500	Feature_located	Soil sample												
H0501	Geodetic_datum	GDA94												
H0502	Vertical_datum	AHD												
H0503	Projection	MGA												
H0530	Coordinate_system	Projected												
H0531	Projection_Zone	55												
H0532	Surveying_instrument	Garmin GPSmap64s												
H0533	Surveying_company	Venture Minerals												
H0601	Sample_type	soil												
H0602	Sampling_description	sieved hand augered soil												
H0700	Sample_preparation_code	PUL-31L												
H0701	Sample_preparation_description	Pulverise to nominal 85% passing 75 microns												
H0702	Laboratory_batch_number	see data												
H0800	Assay_code	ICP61	B-ICP69	MS85										
H0801	Assay_company	ALS Geochemistry - Perth Laboratory												
H0802	Assay_description	Multi acid digestion with HF and ICPAES analysis	special digest incorporating Nitric and Hydrofluoric acids ICP-AES finish	lithium borate fusion followed by ICP-MS										
H0900	Remarks	- denotes below detection limit												
H1000	Sample_id	Easting	Northing	Elevation	Batch_Number	Sn_MS85	W_MS85	W_ICP61	Ag	Al	As	B_ICP69	Ba	
H1001	Units	metres	metres	metres		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
H1003	Lower_detection_limit					1	1							
H1004	Accuracy	10	10	10										
H1005	Upper_detection_limit													
D	STS001	363587	5377670	200	PH21065600 , PH21065600 , PH2	-1	-1	-10	-0.5	0.08	-5	-10	8	
D	STS002	361994	5379773	200	PH21065600 , PH21065600 , PH2	2	2	-10	-0.5	1.95	23	10	126	
D	STS003	361973	5379755	202	PH21065600 , PH21065600 , PH2	2	1	-10	-0.5	2.18	11	20	79.4	
D	STS004	361954	5379725	201	PH21065600 , PH21065600 , PH2	1	1	-10	-0.5	1.51	-5	50	69.5	
D	STS005	361936	5379725	208	PH21065600 , PH21065600 , PH2	1	1	-10	-0.5	3.03	-5	10	43.4	
D	STS006	361917	5379702	210	PH21065600 , PH21065600 , PH2	1	2	-10	-0.5	1.4	-5	30	66.1	
D	STS007	361903	5379686	214	PH21065600 , PH21065600 , PH2	2	2	-10	-0.5	4.43	9	80	177	
D	STS008	361887	5379676	207	PH21065600 , PH21065600 , PH2	3	3	-10	-0.5	4.23	-5	70	203	
D	STS009	361879	5379661	191	PH21065600 , PH21065600 , PH2	2	3	-10	-0.5	4.11	6	70	179.5	
D	STS010	361799	5379710	166	PH21065600 , PH21065600 , PH2	2	3	-10	-0.5	3.11	5	50	158	
D	STS011	361814	5379724	194	PH21065600 , PH21065600 , PH2	3	3	-10	-0.5	5.16	-5	90	284	
D	STS012	361825	5379753	193	PH21065600 , PH21065600 , PH2	1	2	-10	-0.5	0.82	-5	20	61.5	
D	STS013	361848	5379752	189	PH21065600 , PH21065600 , PH2	2	2	-10	-0.5	2.59	-5	40	134	
D	STS014	361865	5379775	190	PH21065600 , PH21065600 , PH2	1	2	-10	-0.5	0.24	6	-10	24.2	
D	STS015	361886	5379792	190	PH21065600 , PH21065600 , PH2	3	2	-10	-0.5	3.83	7	80	120.5	
D	STS016	361905	5379813	196	PH21065600 , PH21065600 , PH2	2	1	-10	-0.5	4.02	18	10	45.8	
D	STS017	361717	5379764	165	PH21065600 , PH21065600 , PH2	2	3	-10	-0.5	4.21	7	70	201	
D	STS018	361729	5379779	189	PH21065600 , PH21065600 , PH2	3	3	-10	-0.5	4.66	7	90	245	
D	STS019	361749	5379803	195	PH21065600 , PH21065600 , PH2	2	2	-10	-0.5	3.35	-5	50	170	
D	STS020	361772	5379817	182	PH21065600 , PH21065600 , PH2	1	2	-10	-0.5	1.3	-5	30	82	

H1000	Sample_id	Easting	Northing	Elevation	Batch_Number	Sn_MS85	W_MS85	W_ICP61	Ag	Al	As	B_ICP69	Ba
H1001	Units	metres	metres	metres		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
D	STS021	361775	5379830	172	PH21065600 , PH21065600 , PH21065600	-1	1	-10	-0.5	0.21	-5	10	24.6
D	STS022	361789	5379853	166	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	1.45	-5	20	69.6
D	STS023	361789	5379853	166	PH21065600 , PH21065600 , PH21065600	1	2	-10	-0.5	1.48	-5	20	71.1
D	STS024	362515	5379079	179	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	2.7	-5	40	139
D	STS025	362515	5379107	174	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	2.83	6	40	124.5
D	STS026	362534	5379126	177	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.82	-5	10	45.4
D	STS027	362532	5379140	183	PH21065600 , PH21065600 , PH21065600	1	2	-10	-0.5	1.2	-5	-10	11
D	STS028	362554	5379154	172	PH21065600 , PH21065600 , PH21065600	3	3	-10	-0.5	3.74	10	70	111.5
D	STS029	362565	5379175	165	PH21065600 , PH21065600 , PH21065600	3	3	-10	-0.5	3.64	9	80	157.5
D	STS030	362581	5379182	160	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	2.08	12	40	89
D	STS031	362458	5379138	197	PH21065600 , PH21065600 , PH21065600	2	3	-10	-0.5	3.7	5	60	160.5
D	STS032	362466	5379161	187	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	2.19	-5	40	88.6
D	STS033	362495	5379193	197	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.08	-5	-10	6.1
D	STS034	362511	5379214	183	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	6.41	13	100	128
D	STS035	362523	5379231	178	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	3.47	7	70	92.2
D	STS036	362539	5379255	173	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	4.3	14	80	145
D	STS037	362538	5379248	169	PH21065600 , PH21065600 , PH21065600	3	1	-10	-0.5	5.16	41	80	177.5
D	STS038	362470	5379344	184	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	8.58	7	20	122
D	STS039	362454	5379314	187	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	3.5	14	50	118.5
D	STS040	362420	5379308	196	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	3.14	10	50	87.2
D	STS041	362402	5379290	209	PH21065600 , PH21065600 , PH21065600	1	2	-10	-0.5	1.02	-5	20	43.8
D	STS042	362345	5379254	216	PH21065600 , PH21065600 , PH21065600	1	3	-10	-0.5	1.62	-5	40	93.8
D	STS043	362371	5379272	215	PH21065600 , PH21065600 , PH21065600	11	2	-10	-0.5	1.06	-5	30	59.8
D	STS044	362531	5378777	180	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	2.5	6	30	67.1
D	STS045	362597	5378812	184	PH21065600 , PH21065600 , PH21065600	-1	-1	-10	-0.5	0.15	-5	10	15.8
D	STS046	362613	5378837	182	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	2.37	10	120	101
D	STS047	362631	5378864	179	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	1.37	8	70	71.5
D	STS048	362647	5378876	176	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	1.72	6	40	93.9
D	STS049	362666	5378881	182	PH21065600 , PH21065600 , PH21065600	3	3	10	-0.5	4.98	18	60	321
D	STS050	362702	5379011	175	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	3.63	12	40	266
D	STS051	362649	5378982	180	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	1.9	7	50	96.5
D	STS052	362630	5378971	186	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.16	-5	10	21.5
D	STS053	362604	5378958	181	PH21065600 , PH21065600 , PH21065600	2	3	-10	-0.5	3.23	-5	30	96.2
D	STS054	362588	5378932	177	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	1.76	-5	20	54.4
D	STS055	362564	5378920	198	PH21065600 , PH21065600 , PH21065600	1	-1	-10	-0.5	0.22	5	20	11.1
D	STS056	363196	5378306	231	PH21065600 , PH21065600 , PH21065600	1	-1	-10	-0.5	0.11	-5	10	12.9
D	STS057	363196	5378306	231	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.11	5	10	13.2
D	STS058	363230	5378306	237	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.27	-5	20	20.2
D	STS059	363248	5378317	238	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.23	-5	10	16.5
D	STS060	363266	5378319	232	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.81	8	20	31.5
D	STS061	363300	5378335	219	PH21065600 , PH21065600 , PH21065600	2	1	-10	-0.5	2.24	11	30	81.2
D	STS062	363323	5378360	211	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	1.01	7	20	44
D	STS063	363340	5378381	215	PH21065600 , PH21065600 , PH21065600	3	3	-10	-0.5	3.56	14	40	137.5
D	STS064	363371	5378388	231	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	5.25	13	30	94.3
D	STS065	363412	5378391	234	PH21065600 , PH21065600 , PH21065600	2	1	-10	-0.5	8.77	-5	10	41.8
D	STS066	363432	5378454	240	PH21065600 , PH21065600 , PH21065600	4	2	-10	-0.5	6.19	5	30	102.5
D	STS067	363488	5378508	243	PH21065600 , PH21065600 , PH21065600	4	3	-10	-0.5	5.97	-5	30	96.4
D	STS068	363439	5378562	213	PH21065600 , PH21065600 , PH21065600	4	2	-10	-0.5	7.23	10	20	67.4
D	STS069	363396	5378530	204	PH21065600 , PH21065600 , PH21065600	4	2	-10	-0.5	7.4	12	40	230
D	STS070	363362	5378517	201	PH21065600 , PH21065600 , PH21065600	4	3	-10	-0.5	6.73	10	40	124.5
D	STS071	363342	5378487	202	PH21065600 , PH21065600 , PH21065600	2	2	-10	1.5	3.53	6	40	149
D	STS072	363330	5378477	206	PH21065600 , PH21065600 , PH21065600	2	1	-10	0.7	2.39	10	30	63.7
D	STS073	363312	5378468	217	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	1.49	10	30	60.1
D	STS074	363285	5378441	225	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	1.59	7	30	61.7
D	STS075	363264	5378423	238	PH21065600 , PH21065600 , PH21065600	1	-1	-10	-0.5	0.1	-5	-10	9.2
D	STS076	363222	5378396	240	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.31	-5	10	18.6
D	STS077	363202	5378372	243	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	1.14	5	30	45.3
D	STS078	363171	5378361	250	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	3.96	-5	80	163.5
D	STS079	363511	5377860	215	PH21065600 , PH21065600 , PH21065600	3	2	10	-0.5	4.83	8	70	274
D	STS080	363484	5377841	215	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.47	-5	20	31
D	STS081	363457	5377817	220	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.66	-5	20	47.4

H1000	Sample_id	Easting	Northing	Elevation	Batch_Number	Sn_MS85	W_MS85	W_ICP61	Ag	Al	As	B_ICP69	Ba
H1001	Units	metres	metres	metres		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
D	STS082	363444	5377803	226	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.6	-5	20	37.5
D	STS083	363416	5377789	227	PH21065600 , PH21065600 , PH21065600	-1	-1	-10	-0.5	0.11	-5	10	8.7
D	STS084	363386	5377776	224	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.26	5	10	30.9
D	STS085	363354	5377765	224	PH21065600 , PH21065600 , PH21065600	2	3	-10	-0.5	2.91	5	60	141.5
D	STS086	363342	5377739	224	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	3.2	-5	70	176
D	STS087	363315	5377712	224	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	2.23	-5	50	101
D	STS088	363287	5377695	232	PH21065600 , PH21065600 , PH21065600	4	3	10	-0.5	6.91	13	110	340
D	STS089	363543	5377787	216	PH21065600 , PH21065600 , PH21065600	1	2	-10	-0.5	0.17	-5	10	23.9
D	STS090	363545	5377760	220	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.46	-5	20	38.2
D	STS091	363529	5377736	225	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.32	-5	10	31.1
D	STS092	363507	5377726	232	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.1	-5	-10	18.7
D	STS093	363425	5377681	229	PH21065600 , PH21065600 , PH21065600	1	2	-10	-0.5	0.64	-5	20	44.1
D	STS094	363459	5377712	233	PH21065600 , PH21065600 , PH21065600	1	2	-10	-0.5	1	-5	20	75
D	STS095	363471	5377725	236	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.63	-5	20	49.1
D	STS096	362300	5379712	180	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	5.18	6	20	77.5
D	STS097	362282	5379691	192	PH21065600 , PH21065600 , PH21065600	4	2	-10	-0.5	7.47	11	30	106.5
D	STS098	362246	5379675	204	PH21065600 , PH21065600 , PH21065600	4	2	-10	-0.5	5.68	-5	30	97.1
D	STS099	362221	5379645	194	PH21065600 , PH21065600 , PH21065600	4	3	-10	-0.5	5.16	10	30	114.5
D	STS100	362190	5379627	187	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	2.92	9	30	105.5
D	STS101	362172	5379623	188	PH21065600 , PH21065600 , PH21065600	3	2	10	-0.5	6.12	9	90	301
D	STS102	362149	5379607	190	PH21065600 , PH21065600 , PH21065600	2	1	-10	-0.5	7.2	10	30	141
D	STS103	362125	5379579	195	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	3.91	22	20	104.5
D	STS104	362100	5379565	190	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	1.38	-5	20	25.9
D	STS105	362084	5379552	196	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	2.31	6	40	105
D	STS106	362175	5379471	217	PH21065600 , PH21065600 , PH21065600	1	3	-10	-0.5	1.6	-5	30	70.5
D	STS107	362156	5379452	211	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.19	-5	10	15.9
D	STS108	362188	5379480	211	PH21065600 , PH21065600 , PH21065600	5	3	-10	-0.5	6.45	16	120	177
D	STS109	362205	5379496	205	PH21065600 , PH21065600 , PH21065600	2	1	-10	-0.5	1.71	5	60	68.3
D	STS110	362217	5379522	198	PH21065600 , PH21065600 , PH21065600	2	1	-10	-0.5	2.77	9	40	90.3
D	STS111	362240	5379540	199	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	4.35	10	20	88.7
D	STS112	362283	5379570	199	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	8.15	11	30	93.5
D	STS113	362331	5379598	190	PH21065600 , PH21065600 , PH21065600	3	3	-10	-0.5	5.68	12	30	84.4
D	STS114	362358	5379641	196	PH21065600 , PH21065600 , PH21065600	3	2	10	-0.5	4.61	5	20	68.1
D	STS115	362415	5379558	205	PH21065600 , PH21065600 , PH21065600	4	2	-10	-0.5	5.09	6	20	81.6
D	STS116	362391	5379530	195	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	5.16	7	30	118.5
D	STS117	362365	5379510	191	PH21065600 , PH21065600 , PH21065600	4	2	-10	-0.5	6.53	6	40	115
D	STS118	362343	5379490	189	PH21065600 , PH21065600 , PH21065600	2	1	-10	-0.5	5.27	6	20	67.8
D	STS119	362321	5379474	190	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.92	-5	20	45.9
D	STS120	362297	5379458	188	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.72	5	20	37.8
D	STS121	362264	5379444	194	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.95	-5	20	45
D	STS122	362243	5379423	195	PH21065600 , PH21065600 , PH21065600	1	2	-10	-0.5	1.27	-5	30	64.3
D	STS123	362534	5379126	177	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.82	-5	20	39.2
D	STS124	362326	5379723	126	PH21065600 , PH21065600 , PH21065600	4	3	-10	-0.5	6.14	13	20	135
D	STS125	362326	5379723	126	PH21065600 , PH21065600 , PH21065600	4	3	-10	-0.5	6.53	8	40	144
D	STS126	362368	5379761	149	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	3.08	5	70	172
D	STS127	362422	5379802	158	PH21065600 , PH21065600 , PH21065600	3	1	-10	-0.5	7.22	9	20	60.5
D	STS128	362509	5379872	174	PH21065600 , PH21065600 , PH21065600	3	1	-10	-0.5	8.01	17	10	71.3
D	STS129	362574	5379910	163	PH21065600 , PH21065600 , PH21065600	3	1	-10	-0.5	7.89	11	-10	33.9
D	STS130	362602	5379936	163	PH21065600 , PH21065600 , PH21065600	3	1	-10	-0.5	8.04	-5	10	45.4
D	STS131	362640	5379953	153	PH21065600 , PH21065600 , PH21065600	5	1	-10	-0.5	9.43	7	10	54.8
D	STS132	362670	5379973	135	PH21065600 , PH21065600 , PH21065600	5	1	-10	-0.5	10.2	13	-10	37.1
D	STS133	362944	5379953	127	PH21065600 , PH21065600 , PH21065600	3	1	-10	-0.5	7.59	11	10	223
D	STS134	362920	5379921	143	PH21065600 , PH21065600 , PH21065600	3	1	-10	-0.5	6.85	-5	20	141.5
D	STS135	362875	5379891	150	PH21065600 , PH21065600 , PH21065600	3	1	-10	-0.5	8.18	-5	10	137
D	STS136	362836	5379870	153	PH21065600 , PH21065600 , PH21065600	4	1	-10	-0.5	10.25	7	-10	28.2
D	STS137	362797	5379851	156	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	8.7	11	10	71.4
D	STS138	362760	5379804	171	PH21065600 , PH21065600 , PH21065600	4	1	-10	-0.5	8.06	11	20	103
D	STS139	362715	5379776	176	PH21065600 , PH21065600 , PH21065600	3	1	-10	-0.5	8.57	9	10	55.7
D	STS140	362680	5379744	187	PH21065600 , PH21065600 , PH21065600	3	1	-10	-0.5	8.22	12	10	29.2
D	STS141	362638	5379697	181	PH21065600 , PH21065600 , PH21065600	4	1	-10	-0.5	8.77	-5	10	36.9
D	STS142	362595	5379679	184	PH21065600 , PH21065600 , PH21065600	4	2	-10	-0.5	8.1	10	20	69.7

H1000	Sample_id	Easting	Northing	Elevation	Batch_Number	Sn_MS85	W_MS85	W_ICP61	Ag	Al	As	B_ICP69	Ba
H1001	Units	metres	metres	metres		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
D	STS143	362567	5379670	178	PH21065600 , PH21065600 , PH21065600	3	3	10	-0.5	7.05	5	150	324
D	STS144	362528	5379636	179	PH21065600 , PH21065600 , PH21065600	3	3	-10	-0.5	2.68	9	20	71.5
D	STS145	362488	5379603	195	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	5.72	6	20	74.4
D	STS146	362488	5379603	195	PH21065600 , PH21065600 , PH21065600	3	3	-10	-0.5	5.61	8	20	98.3
D	STS147	362442	5379580	200	PH21065600 , PH21065600 , PH21065600	4	2	-10	-0.5	4.84	-5	20	71.2
D	STS148	363165	5379108	174	PH21065600 , PH21065600 , PH21065600	4	2	-10	-0.5	4.84	7	10	40
D	STS149	363148	5379078	172	PH21065600 , PH21065600 , PH21065600	5	2	-10	-0.5	8.16	7	20	49.2
D	STS150	363127	5379071	165	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	4.16	5	40	150.5
D	STS151	363106	5379063	172	PH21065600 , PH21065600 , PH21065600	4	3	-10	-0.5	5.04	18	60	310
D	STS152	363079	5379033	175	PH21065600 , PH21065600 , PH21065600	5	6	10	-0.5	5.61	12	70	365
D	STS153	363069	5379027	168	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	4.17	17	30	189.5
D	STS154	363045	5379017	169	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	4.69	8	40	172.5
D	STS155	363020	5379005	187	PH21065600 , PH21065600 , PH21065600	2	1	-10	-0.5	2.87	9	10	37.4
D	STS156	363001	5378984	196	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	1.93	12	20	90.2
D	STS157	362972	5378966	201	PH21065600 , PH21065600 , PH21065600	2	7	-10	-0.5	2.78	13	10	37.3
D	STS158	362955	5378939	207	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	0.61	13	-10	18.7
D	STS159	362932	5378927	211	PH21065600 , PH21065600 , PH21065600	1	16	-10	-0.5	0.36	7	10	21.8
D	STS160	362921	5378893	217	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	2.45	10	30	59.4
D	STS161	362890	5378890	223	PH21065600 , PH21065600 , PH21065600	3	2	-10	-0.5	5.15	15	30	142
D	STS162	362862	5378873	222	PH21065600 , PH21065600 , PH21065600	4	5	-10	-0.5	5.51	6	50	261
D	STS163	362831	5378846	227	PH21065600 , PH21065600 , PH21065600	2	2	-10	-0.5	7.06	17	60	323
D	STS164	362810	5378840	230	PH21065600 , PH21065600 , PH21065600	4	3	10	-0.5	5.05	9	50	566
D	STS165	362790	5378806	243	PH21065600 , PH21065600 , PH21065600	2	4	10	-0.5	1.96	7	40	293
D	STS166	362763	5378792	234	PH21065600 , PH21065600 , PH21065600	3	3	-10	-0.5	3.24	-5	40	748
D	STS167	362738	5378781	216	PH21065600 , PH21065600 , PH21065600	2	1	-10	-0.5	9.32	7	30	423
D	STS168	362719	5378770	203	PH21065600 , PH21065600 , PH21065600	1	1	-10	-0.5	7.36	-5	50	253
D	STS169	362700	5378753	198	PH21113786 , PH21113786 , PH21113786	3	6	-10	-0.5	4.72	17	60	258
D	STS170	362687	5378742	201	PH21113786 , PH21113786 , PH21113786	2	13	-10	-0.5	2.99	7	50	121
D	STS171	362666	5378736	207	PH21113786 , PH21113786 , PH21113786	2	3	-10	-0.5	2.08	-5	40	73.7
D	STS172	362648	5378725	212	PH21113786 , PH21113786 , PH21113786	1	3	-10	-0.5	0.87	-5	30	40
D	STS173	362614	5378700	224	PH21113786 , PH21113786 , PH21113786	1	2	-10	-0.5	0.33	-5	10	19.8
D	STS174	362584	5378675	227	PH21113786 , PH21113786 , PH21113786	3	4	-10	-0.5	4.89	-5	80	191.5
D	STS175	362584	5378675	227	PH21113786 , PH21113786 , PH21113786	3	3	-10	-0.5	4.66	-5	80	183.5
D	STS176	362568	5378657	218	PH21113786 , PH21113786 , PH21113786	1	3	-10	-0.5	0.85	-5	30	44.4
D	STS177	363252	5378891	233	PH21113786 , PH21113786 , PH21113786	1	3	-10	-0.5	1.19	-5	30	43.4
D	STS178	363225	5378867	247	PH21113786 , PH21113786 , PH21113786	1	2	-10	-0.5	0.95	-5	20	45.1
D	STS179	363210	5378850	251	PH21113786 , PH21113786 , PH21113786	1	3	-10	-0.5	1.34	-5	30	50.3
D	STS180	363185	5378836	252	PH21113786 , PH21113786 , PH21113786	2	3	-10	-0.5	2.23	-5	40	89.3
D	STS181	363164	5378829	249	PH21113786 , PH21113786 , PH21113786	3	2	-10	-0.5	4.06	-5	50	152
D	STS182	363140	5378805	234	PH21113786 , PH21113786 , PH21113786	2	3	-10	0.5	3.43	-5	70	108.5
D	STS183	363120	5378779	229	PH21113786 , PH21113786 , PH21113786	2	5	-10	-0.5	2.2	-5	40	89.4
D	STS184	363106	5378778	223	PH21113786 , PH21113786 , PH21113786	2	4	-10	-0.5	2.08	-5	40	83.6
D	STS185	363088	5378777	210	PH21113786 , PH21113786 , PH21113786	4	3	-10	-0.5	5.31	-5	70	133.5
D	STS186	363068	5378757	209	PH21113786 , PH21113786 , PH21113786	4	3	-10	-0.5	7.11	26	110	280
D	STS187	363048	5378754	209	PH21113786 , PH21113786 , PH21113786	4	3	-10	-0.5	7.87	10	110	226
D	STS188	363027	5378746	219	PH21113786 , PH21113786 , PH21113786	3	3	-10	-0.5	4.49	-5	70	174.5
D	STS189	363012	5378741	231	PH21113786 , PH21113786 , PH21113786	4	3	-10	-0.5	6.57	-5	110	284
D	STS190	362981	5378747	240	PH21113786 , PH21113786 , PH21113786	2	3	-10	-0.5	1.68	-5	30	82.7
D	STS191	362944	5378712	245	PH21113786 , PH21113786 , PH21113786	2	2	-10	-0.5	4.79	-5	20	58.4
D	STS192	362911	5378692	253	PH21113786 , PH21113786 , PH21113786	2	-1	-10	-0.5	0.35	-5	10	7.7
D	STS193	362900	5378659	245	PH21113786 , PH21113786 , PH21113786	2	2	-10	-0.5	0.83	-5	30	46.3
D	STS194	362873	5378634	244	PH21113786 , PH21113786 , PH21113786	1	2	-10	-0.5	0.87	-5	20	36.2
D	STS195	362857	5378609	241	PH21113786 , PH21113786 , PH21113786	1	2	-10	-0.5	1.65	-5	20	44.5
D	STS196	362838	5378596	236	PH21113786 , PH21113786 , PH21113786	1	2	-10	-0.5	0.8	-5	20	38.1
D	STS197	362814	5378601	238	PH21113786 , PH21113786 , PH21113786	2	2	-10	-0.5	1.67	-5	10	59.3
D	STS198	362799	5378576	235	PH21113786 , PH21113786 , PH21113786	2	4	-10	-0.5	1.36	5	10	53.5
D	STS199	362776	5378581	232	PH21113786 , PH21113786 , PH21113786	2	2	-10	-0.5	1.69	6	20	58.2
D	STS200	362761	5378556	238	PH21113786 , PH21113786 , PH21113786	1	3	-10	-0.5	0.63	-5	20	38.8
D	STS201	362761	5378556	238	PH21113786 , PH21113786 , PH21113786	1	2	-10	-0.5	0.65	-5	30	41.1
D	STS202	362741	5378544	244	PH21113786 , PH21113786 , PH21113786	2	2	-10	-0.5	2.38	-5	40	108.5
D	STS203	363410	5378811	185	PH21113786 , PH21113786 , PH21113786	2	2	-10	-0.5	1.3	-5	30	56.5



H0002	Version																	
H0003	Date_generated																	
H0004	Reporting_period_end_date																	
H0005	State																	
H0100	Tenement_no																	
H0101	Tenement_holder																	
H0102	Project_name																	
H0106	Tenement_operator																	
H0200	Start_date_of_data_acquisition																	
H0201	End_date_of_data_acquisition																	
H0202	Template_format																	
H0203	Number_of_data_records																	
H0204	Date_of_metadata_update																	
H0300	Related_data_files																	
H0305	Surface_Geochem_data_file																	
H0308	File_verification_list																	
H0318	QAQC_data_file																	
H0500	Feature_located																	
H0501	Geodetic_datum																	
H0502	Vertical_datum																	
H0503	Projection																	
H0530	Coordinate_system																	
H0531	Projection_Zone																	
H0532	Surveying_instrument																	
H0533	Surveying_company																	
H0601	Sample_type																	
H0602	Sampling_description																	
H0700	Sample_preparation_code																	
H0701	Sample_preparation_description																	
H0702	Laboratory_batch_number																	
H0800	Assay_code																	
H0801	Assay_company																	
H0802	Assay_description																	
H0900	Remarks																	
H1000	Sample_id	Be	Bi	Ca	Ce	Cd	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hf	Ho
H1001	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
H1003	Lower_detection_limit																	
H1004	Accuracy																	
H1005	Upper_detection_limit																	
D	STS001	-0.5	2	0.04	1.40	-0.5	-1	10	0.06	7	0.17	0.12	0.02	0.34	0.30	0.11	0.60	0.04
D	STS002	-0.5	-2	0.04	47.80	-0.5	2	80	1.84	25	4.86	2.01	1.50	3.36	7.30	6.95	3.00	0.84
D	STS003	-0.5	-2	0.02	45.00	-0.5	2	30	1.66	17	2.42	1.38	0.79	6.29	7.60	3.19	4.30	0.50
D	STS004	-0.5	-2	0.02	61.90	-0.5	-1	30	2.70	7	2.52	1.49	0.74	0.92	4.90	3.08	5.40	0.54
D	STS005	-0.5	-2	0.04	21.20	-0.5	4	230	5.91	24	1.72	1.15	0.43	5.66	8.70	1.44	4.10	0.43
D	STS006	-0.5	-2	0.01	58.00	-0.5	-1	20	3.45	4	4.39	2.74	0.76	0.25	4.20	3.72	11.00	0.95
D	STS007	0.9	-2	0.03	83.30	-0.5	-1	40	6.91	4	4.48	2.92	0.74	0.63	12.30	3.41	8.50	0.99
D	STS008	0.9	-2	0.03	81.40	-0.5	-1	40	8.30	5	4.87	3.10	0.89	0.53	12.80	4.06	8.60	1.13
D	STS009	0.9	4	0.03	103.00	-0.5	-1	50	8.54	6	5.32	3.38	1.12	0.56	12.10	5.44	9.40	1.16
D	STS010	0.6	-2	0.02	86.50	-0.5	-1	40	6.87	6	4.45	3.15	0.83	0.48	9.90	4.02	10.40	1.04
D	STS011	1	-2	0.03	79.50	-0.5	-1	40	7.98	5	5.01	3.38	0.72	0.50	14.80	3.51	7.70	1.13
D	STS012	-0.5	-2	0.06	32.10	-0.5	1	20	1.53	5	3.75	2.60	0.43	0.30	2.80	2.59	13.50	0.84
D	STS013	0.5	2	0.02	52.50	-0.5	-1	20	5.51	4	3.32	2.33	0.52	0.36	7.60	2.68	8.40	0.76
D	STS014	-0.5	-2	0.04	12.90	-0.5	-1	110	0.24	6	1.27	0.86	0.24	1.31	1.10	0.98	4.00	0.26
D	STS015	0.7	3	0.03	64.30	-0.5	1	60	5.41	14	2.98	1.74	0.82	1.88	11.20	3.45	4.60	0.60
D	STS016	0.5	-2	0.04	34.70	-0.5	1	50	1.72	23	1.83	1.21	0.48	12.95	12.20	1.81	4.10	0.40
D	STS017	1	-2	0.02	95.90	-0.5	-1	50	9.21	7	5.38	3.40	1.05	0.65	12.60	5.22	9.60	1.21
D	STS018	0.9	2	0.02	86.60	-0.5	-1	40	10.35	6	5.06	3.15	0.89	0.59	14.30	3.98	7.80	1.10
D	STS019	0.7	-2	0.04	71.00	-0.5	-1	30	5.92	5	4.33	2.81	0.69	0.58	9.50	3.56	10.20	0.96
D	STS020	-0.5	2	0.01	55.70	-0.5	-1	40	3.60	5	4.68	3.18	0.70	0.27	4.40	3.79	12.40	1.03

H1000	Sample_id	Be	Bi	Ca	Ce	Cd	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hf	Ho
H1001	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
D	STS021	-0.5	2	0.06	22.80	-0.5	-1	10	0.29	6	2.38	1.62	0.31	0.20	0.60	1.70	6.90	0.53
D	STS022	-0.5	2	0.11	38.70	-0.5	1	70	3.57	10	2.40	1.60	0.60	1.39	4.90	2.30	6.10	0.51
D	STS023	-0.5	-2	0.10	40.40	-0.5	-1	60	3.80	8	2.42	1.64	0.62	1.49	4.90	2.43	6.10	0.55
D	STS024	0.6	-2	0.02	67.70	-0.5	1	30	5.27	5	4.06	2.56	0.66	0.41	8.60	3.42	8.70	0.91
D	STS025	0.5	-2	0.03	57.90	-0.5	-1	30	6.02	6	3.75	2.36	0.82	0.41	8.90	3.98	7.20	0.81
D	STS026	-0.5	-2	0.02	31.90	-0.5	1	30	1.69	5	1.63	0.89	0.53	0.46	3.60	2.06	3.30	0.32
D	STS027	-0.5	-2	0.01	1.90	-0.5	1	70	0.23	7	0.46	0.36	0.04	0.68	3.90	0.30	5.20	0.11
D	STS028	0.6	2	0.01	89.30	-0.5	-1	50	4.28	24	4.14	2.19	1.16	3.14	12.70	5.15	5.90	0.79
D	STS029	0.8	-2	0.01	114.50	-0.5	-1	60	4.73	21	6.39	2.81	2.03	1.82	13.10	8.95	6.40	1.08
D	STS030	-0.5	-2	0.01	90.90	-0.5	-1	30	2.54	19	3.43	1.76	1.02	2.07	8.40	4.48	5.80	0.63
D	STS031	0.7	3	0.02	68.00	-0.5	-1	40	5.38	4	5.22	3.53	0.85	0.50	11.50	3.92	12.20	1.12
D	STS032	-0.5	-2	0.02	52.20	-0.5	-1	30	4.68	5	3.30	2.21	0.56	0.40	7.60	2.90	7.60	0.73
D	STS033	-0.5	-2	0.01	2.70	-0.5	-1	40	0.08	4	0.76	0.53	0.07	0.39	0.40	0.45	2.80	0.15
D	STS034	1.2	-2	0.01	82.30	-0.5	-1	70	4.52	23	3.81	2.01	0.99	2.89	16.30	4.07	5.60	0.70
D	STS035	0.6	2	0.01	62.90	-0.5	-1	40	3.64	16	2.61	1.46	0.63	1.11	10.80	2.64	4.70	0.49
D	STS036	0.9	5	0.02	91.60	-0.5	-1	50	6.44	20	4.32	2.26	1.12	2.87	13.30	4.95	5.40	0.84
D	STS037	1	-2	0.02	62.10	-0.5	1	120	8.01	31	4.09	2.26	1.09	3.90	16.60	4.26	4.40	0.78
D	STS038	0.6	-2	0.03	19.80	-0.5	21	770	3.51	99	3.70	2.45	0.58	11.50	14.00	2.33	3.10	0.79
D	STS039	0.6	-2	0.02	70.00	-0.5	2	50	4.93	18	3.09	1.74	0.70	3.36	11.00	2.88	5.10	0.60
D	STS040	0.5	-2	0.02	83.80	-0.5	-1	50	3.68	10	3.49	2.27	0.77	0.88	11.60	3.45	6.30	0.78
D	STS041	-0.5	-2	0.03	34.30	-0.5	-1	30	1.69	7	2.23	1.54	0.39	0.47	3.50	1.84	7.20	0.51
D	STS042	-0.5	-2	0.01	83.20	-0.5	-1	20	3.53	4	5.61	3.32	0.93	0.30	6.40	4.69	11.50	1.12
D	STS043	-0.5	-2	0.01	48.50	-0.5	1	30	2.06	6	3.85	2.38	0.54	0.35	4.20	3.08	10.40	0.81
D	STS044	-0.5	2	0.02	57.20	-0.5	3	70	5.71	13	2.89	1.75	0.73	4.32	8.50	2.83	5.60	0.57
D	STS045	-0.5	-2	0.09	4.10	-0.5	-1	10	0.16	17	0.57	0.32	0.06	0.98	1.10	0.39	1.70	0.11
D	STS046	-0.5	3	0.01	66.50	-0.5	-1	40	4.19	8	3.64	2.14	0.91	2.18	10.20	3.79	5.80	0.71
D	STS047	-0.5	-2	0.01	81.40	-0.5	-1	20	2.31	6	2.99	1.66	0.85	0.76	5.70	3.54	6.20	0.57
D	STS048	-0.5	2	0.01	72.10	-0.5	-1	50	3.16	4	3.81	2.06	0.92	0.83	7.10	3.74	6.20	0.70
D	STS049	0.9	3	0.01	83.00	-0.5	9	240	8.89	40	3.93	2.20	1.09	7.01	15.10	4.11	4.90	0.76
D	STS050	0.6	-2	0.02	81.90	-0.5	1	310	4.91	18	4.07	2.08	1.26	3.14	10.00	4.88	3.90	0.77
D	STS051	-0.5	-2	0.01	53.90	-0.5	-1	40	3.70	10	2.53	1.35	0.64	1.19	6.70	2.76	5.60	0.49
D	STS052	-0.5	4	0.01	6.00	-0.5	-1	60	0.14	7	0.74	0.43	0.11	12.65	1.60	0.52	3.10	0.13
D	STS053	-0.5	2	0.02	52.70	-0.5	4	100	10.85	19	2.65	1.51	0.84	6.20	9.90	2.41	5.10	0.53
D	STS054	-0.5	-2	0.05	45.30	-0.5	1	90	4.94	9	2.08	1.38	0.66	3.73	6.80	2.09	5.00	0.47
D	STS055	-0.5	-2	0.14	4.20	-0.5	-1	20	0.16	6	0.49	0.36	0.07	2.86	1.80	0.38	2.10	0.11
D	STS056	-0.5	-2	0.03	4.30	-0.5	-1	70	0.15	4	0.81	0.58	0.09	0.40	1.10	0.61	3.10	0.19
D	STS057	-0.5	2	0.02	4.70	-0.5	-1	80	0.16	6	1.00	0.71	0.09	0.46	1.10	0.62	3.40	0.23
D	STS058	-0.5	2	0.02	23.10	-0.5	-1	20	0.30	5	1.29	0.71	0.34	0.68	1.80	1.57	3.80	0.26
D	STS059	-0.5	2	0.02	11.20	-0.5	-1	20	0.29	4	0.99	0.64	0.16	0.35	1.60	0.83	2.80	0.22
D	STS060	-0.5	-2	0.02	28.30	-0.5	-1	20	0.92	11	1.38	0.85	0.30	0.80	4.00	1.34	3.10	0.28
D	STS061	-0.5	-2	0.01	44.20	-0.5	-1	50	2.70	19	2.15	1.28	0.57	2.07	9.20	2.41	3.90	0.42
D	STS062	-0.5	2	0.01	31.00	-0.5	-1	30	1.43	5	1.28	0.76	0.35	0.84	4.30	1.55	3.50	0.27
D	STS063	0.7	-2	0.02	79.70	-0.5	5	150	4.65	25	4.12	2.20	1.29	4.25	10.80	4.71	5.00	0.75
D	STS064	0.7	5	0.02	62.40	-0.5	4	180	5.14	44	4.17	2.39	1.26	6.17	16.20	4.33	6.60	0.82
D	STS065	0.9	-2	0.02	26.00	-0.5	8	160	2.33	115	2.86	2.03	0.65	11.55	24.30	2.31	5.20	0.61
D	STS066	0.8	-2	0.01	71.00	-0.5	2	140	6.14	41	7.53	4.05	1.83	6.87	20.20	7.25	7.40	1.48
D	STS067	0.8	-2	0.01	65.40	-0.5	5	110	8.02	38	4.98	2.93	1.28	5.98	19.20	4.53	6.70	1.01
D	STS068	1	4	0.01	54.60	-0.5	5	170	6.25	64	6.33	3.85	1.30	9.69	23.70	5.09	7.20	1.36
D	STS069	1.2	-2	0.06	71.10	-0.5	57	170	5.95	85	6.21	3.65	1.34	9.48	23.40	5.18	6.70	1.23
D	STS070	1	2	0.02	67.80	-0.5	8	160	7.78	62	6.25	3.72	1.55	8.59	21.60	5.57	7.40	1.24
D	STS071	0.5	-2	0.02	44.30	-0.5	-1	80	2.76	30	3.48	2.01	0.86	2.18	11.20	3.54	5.40	0.66
D	STS072	-0.5	2	0.02	69.60	-0.5	1	40	2.28	12	2.28	1.12	0.85	2.47	6.80	3.05	3.90	0.44
D	STS073	-0.5	-2	0.02	48.60	-0.5	1	30	1.71	10	2.45	1.26	0.69	2.02	5.00	2.58	4.80	0.46
D	STS074	-0.5	5	0.01	50.10	-0.5	-1	30	2.13	9	2.65	1.41	0.68	1.60	6.30	2.83	5.30	0.51
D	STS075	-0.5	2	0.05	2.40	-0.5	-1	20	0.12	8	0.35	0.29	0.04	0.90	0.40	0.18	1.70	0.09
D	STS076	-0.5	-2	0.08	5.80	-0.5	-1	50	0.38	6	0.56	0.41	0.09	0.96	0.70	0.43	1.90	0.14
D	STS077	-0.5	2	0.04	29.10	-0.5	-1	30	2.24	5	2.49	1.63	0.34	0.41	3.40	1.90	7.90	0.56
D	STS078	0.8	-2	0.04	62.70	-0.5	-1	40	5.73	3	4.36	2.57	0.72	0.42	10.70	3.37	7.20	0.90
D	STS079	1	-2	0.02	66.30	-0.5	3	100	7.06	12	2.77	1.62	0.73	2.49	15.10	2.70	4.60	0.57
D	STS080	-0.5	-2	0.01	23.90	-0.5	-1	30	0.87	4	1.29	0.97	0.28	0.64	1.70	1.29	6.00	0.26
D	STS081	-0.5	-2	0.04	34.20	-0.5	1	40	0.91	5	1.82	1.20	0.34	1.07	2.60	1.63	6.50	0.39

H1000	Sample_id	Be	Bi	Ca	Ce	Cd	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hf	Ho
H1001	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
D	STS082	-0.5	5	0.05	39.10	-0.5	-1	20	0.88	6	1.69	0.90	0.50	0.57	2.50	2.11	4.60	0.30
D	STS083	-0.5	-2	0.11	3.40	-0.5	-1	10	0.11	5	0.42	0.27	0.06	1.47	0.40	0.29	1.70	0.09
D	STS084	-0.5	2	0.01	28.60	-0.5	-1	90	0.42	6	1.33	0.84	0.30	1.13	1.10	1.31	5.00	0.29
D	STS085	0.6	-2	0.01	63.20	-0.5	-1	30	5.58	4	4.20	2.59	0.63	0.41	8.50	3.54	9.60	0.94
D	STS086	0.7	-2	0.01	76.50	-0.5	-1	40	6.16	4	5.49	3.42	0.90	0.40	10.30	4.47	12.00	1.20
D	STS087	0.5	-2	0.01	62.90	-0.5	-1	40	3.06	2	3.48	2.28	0.59	0.41	7.10	2.92	8.00	0.78
D	STS088	1.5	-2	-0.01	104.50	-0.5	-1	80	9.21	9	4.24	3.07	0.72	3.52	23.70	3.28	8.20	1.00
D	STS089	-0.5	2	0.01	43.40	-0.5	-1	30	0.17	10	2.31	1.44	0.36	1.59	0.70	1.95	3.80	0.47
D	STS090	-0.5	3	0.03	27.80	-0.5	1	30	0.79	6	1.53	1.02	0.28	0.36	1.70	1.38	5.30	0.32
D	STS091	-0.5	-2	0.03	33.30	-0.5	-1	20	0.54	6	1.43	0.82	0.40	0.56	1.50	1.68	4.20	0.28
D	STS092	-0.5	2	0.02	7.20	-0.5	-1	20	0.12	12	1.33	1.09	0.13	0.65	0.50	0.94	2.50	0.33
D	STS093	-0.5	-2	0.05	59.70	-0.5	-1	20	1.41	4	3.85	2.63	0.57	0.55	2.70	3.14	12.30	0.87
D	STS094	-0.5	-2	0.02	69.20	-0.5	-1	50	2.36	7	3.35	1.83	0.95	0.82	4.00	3.75	7.50	0.68
D	STS095	-0.5	2	0.01	24.70	-0.5	1	90	1.07	10	1.86	1.22	0.35	0.52	2.30	1.69	7.20	0.38
D	STS096	0.7	5	0.04	56.50	-0.5	36	190	7.94	38	4.29	3.00	0.91	6.72	18.30	3.92	6.40	1.01
D	STS097	0.9	3	0.01	50.90	-0.5	5	230	7.86	56	4.14	2.83	0.95	8.12	24.80	3.58	6.60	0.96
D	STS098	0.8	2	0.05	34.40	-0.5	8	110	7.55	46	2.99	2.26	0.61	7.05	19.10	2.57	5.90	0.71
D	STS099	0.7	-2	0.05	45.00	-0.5	4	140	6.58	36	3.24	2.40	0.79	7.48	18.10	3.10	7.10	0.75
D	STS100	-0.5	-2	0.04	37.50	-0.5	1	310	3.95	12	2.30	1.58	0.46	2.00	8.00	2.26	4.80	0.48
D	STS101	1	-2	0.01	61.20	-0.5	8	60	11.75	22	4.26	3.27	0.94	2.04	19.70	4.20	7.60	0.92
D	STS102	-0.5	-2	0.02	24.20	-0.5	4	710	10.75	39	2.19	1.55	0.55	8.46	12.70	2.52	4.10	0.48
D	STS103	-0.5	2	0.03	33.20	-0.5	2	310	4.12	21	1.97	1.36	0.50	3.09	9.30	2.29	3.40	0.39
D	STS104	-0.5	-2	0.03	21.20	-0.5	-1	40	1.89	7	1.05	0.77	0.31	3.79	4.60	1.18	3.50	0.24
D	STS105	0.5	2	0.02	62.30	-0.5	-1	30	3.63	4	4.43	3.15	0.76	0.69	7.30	4.08	10.70	0.98
D	STS106	-0.5	-2	0.02	71.60	-0.5	-1	30	2.60	4	3.33	2.37	0.64	0.57	4.90	3.07	10.80	0.75
D	STS107	-0.5	-2	0.04	13.60	-0.5	1	30	0.19	10	1.06	0.81	0.16	0.73	0.70	0.80	3.50	0.24
D	STS108	1.3	2	0.01	73.60	-0.5	-1	90	8.34	66	4.75	3.07	1.03	6.81	21.70	4.31	9.50	0.97
D	STS109	-0.5	-2	0.02	63.60	-0.5	-1	30	3.16	7	2.46	1.48	0.66	1.41	6.50	3.15	4.60	0.50
D	STS110	-0.5	-2	0.01	43.30	-0.5	1	170	5.03	8	2.03	1.25	0.51	2.09	7.80	2.28	4.60	0.42
D	STS111	-0.5	-2	0.05	26.00	-0.5	1	190	3.26	43	2.03	1.68	0.39	3.91	13.30	1.94	5.60	0.48
D	STS112	0.7	-2	0.02	36.70	-0.5	13	220	5.25	114	2.50	2.21	0.37	11.35	25.50	1.69	7.20	0.63
D	STS113	0.9	-2	0.02	51.10	-0.5	19	150	4.91	59	4.40	2.98	1.05	8.99	16.80	4.31	6.60	0.91
D	STS114	0.6	-2	0.03	34.50	-0.5	10	150	6.90	40	4.03	3.16	0.85	8.14	16.50	4.01	7.90	0.90
D	STS115	0.7	2	0.02	46.70	-0.5	7	150	5.65	27	4.38	3.19	0.98	7.95	16.90	4.24	8.30	0.94
D	STS116	1	4	0.03	48.00	-0.5	10	140	4.92	42	4.91	3.30	1.18	7.52	15.50	5.17	7.00	1.04
D	STS117	1.3	3	0.09	70.30	-0.5	19	190	5.33	45	6.82	4.09	1.91	4.39	21.90	7.91	8.40	1.41
D	STS118	-0.5	-2	0.35	27.60	-0.5	6	130	1.52	45	2.62	1.66	0.77	2.06	13.50	2.92	4.80	0.56
D	STS119	-0.5	-2	0.02	30.20	-0.5	1	70	1.90	4	1.92	1.44	0.29	0.73	2.90	1.85	7.80	0.48
D	STS120	-0.5	2	0.01	23.80	-0.5	-1	40	1.34	4	1.37	1.11	0.24	0.63	2.50	1.37	4.70	0.33
D	STS121	-0.5	2	0.01	35.80	-0.5	-1	30	1.96	4	2.17	1.63	0.36	0.62	3.10	1.87	7.00	0.46
D	STS122	-0.5	-2	0.01	54.70	-0.5	-1	20	2.48	4	3.69	2.54	0.54	0.58	4.20	3.22	9.70	0.77
D	STS123	-0.5	-2	0.02	30.10	-0.5	-1	30	1.67	5	1.61	0.98	0.44	0.70	3.40	1.96	3.40	0.33
D	STS124	0.9	4	0.05	65.50	-0.5	11	140	7.18	51	4.63	3.04	1.24	7.20	19.20	4.83	6.70	0.97
D	STS125	0.9	-2	0.03	66.10	-0.5	12	140	7.37	56	4.70	3.32	1.22	7.85	20.60	5.07	6.70	1.01
D	STS126	0.6	2	0.01	108.50	-0.5	-1	40	6.44	4	3.80	2.49	0.86	0.56	10.50	4.03	6.80	0.80
D	STS127	1.1	3	0.04	37.30	-0.5	18	100	5.24	98	3.16	2.60	0.59	10.25	23.50	2.52	7.00	0.79
D	STS128	0.8	3	0.02	27.90	-0.5	44	360	2.59	123	6.91	3.97	1.91	11.35	27.30	7.41	7.40	1.34
D	STS129	0.7	4	0.03	30.00	-0.5	80	660	1.82	111	2.17	1.75	0.58	13.00	26.70	1.94	7.80	0.52
D	STS130	0.8	2	0.06	24.30	-0.5	15	150	3.76	90	1.78	1.65	0.28	11.40	23.70	1.12	6.90	0.46
D	STS131	1	2	0.02	88.20	-0.5	18	150	2.92	105	2.38	2.16	0.58	12.20	28.30	2.06	7.90	0.58
D	STS132	0.6	-2	0.01	53.40	-0.5	58	230	2.12	121	1.69	1.52	0.33	14.75	31.00	1.07	8.10	0.35
D	STS133	1	2	0.03	32.60	-0.5	39	220	3.21	71	3.50	2.45	0.65	12.40	24.70	2.72	8.40	0.70
D	STS134	0.5	-2	0.06	22.60	-0.5	18	220	3.48	59	1.73	1.37	0.31	11.15	21.20	1.15	7.20	0.37
D	STS135	0.6	2	0.07	33.20	-0.5	22	270	4.02	91	2.28	1.67	0.39	13.65	24.60	1.59	7.50	0.47
D	STS136	1.1	3	0.02	74.70	-0.5	50	280	1.49	152	1.98	1.27	0.43	15.75	34.40	1.39	8.20	0.39
D	STS137	1	4	0.02	36.70	-0.5	50	140	4.49	104	2.25	1.93	0.39	13.00	27.80	1.50	7.50	0.54
D	STS138	1	-2	0.02	26.30	-0.5	13	110	8.22	93	2.93	2.33	0.57	10.10	26.70	2.04	6.70	0.67
D	STS139	1	3	0.01	31.70	-0.5	49	320	2.31	152	2.09	1.82	0.38	13.05	27.00	1.25	6.50	0.47
D	STS140	0.6	-2	0.03	19.00	-0.5	12	240	2.31	101	2.79	2.17	0.40	12.40	29.20	1.47	7.50	0.59
D	STS141	0.7	4	0.02	39.20	-0.5	20	460	3.56	117	2.60	1.77	0.57	12.35	30.10	1.74	8.40	0.54
D	STS142	1	-2	0.08	32.60	-0.5	9	100	6.21	97	3.72	2.82	0.59	9.89	27.70	2.44	7.30	0.85

H1000	Sample_id	Be	Bi	Ca	Ce	Cd	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hf	Ho
H1001	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
D	STS143	1.4	2	0.01	91.40	-0.5	-1	80	10.65	4	5.19	3.51	0.92	1.49	20.60	4.64	6.90	1.03
D	STS144	0.5	2	0.02	57.10	-0.5	6	170	3.45	22	4.84	2.94	1.08	4.00	8.80	4.75	9.10	0.95
D	STS145	0.9	3	0.02	41.80	-0.5	7	90	7.57	46	5.08	3.39	1.10	7.91	20.00	4.08	6.60	1.02
D	STS146	1	6	0.01	53.80	-0.5	12	100	7.61	50	5.19	3.34	1.09	7.66	19.60	4.27	6.70	1.04
D	STS147	0.8	3	0.04	36.20	-0.5	15	110	6.26	40	3.81	2.70	0.64	6.49	18.00	2.93	7.60	0.85
D	STS148	1	5	0.04	73.30	-0.5	16	110	4.31	44	6.61	3.86	1.35	7.66	19.20	5.94	7.40	1.30
D	STS149	1	3	0.01	52.00	-0.5	7	150	8.48	48	5.89	4.02	1.17	9.51	31.60	4.75	7.80	1.21
D	STS150	0.9	2	0.03	83.50	-0.5	5	70	5.54	11	4.07	2.29	1.02	3.61	12.40	4.61	4.90	0.75
D	STS151	1	-2	0.01	125.50	-0.5	-1	130	7.30	16	5.26	2.72	1.45	2.51	16.30	6.06	5.00	0.93
D	STS152	1.1	-2	0.01	123.00	-0.5	1	90	8.67	18	5.69	3.18	1.50	2.68	18.90	6.34	5.10	1.04
D	STS153	0.6	3	0.01	72.10	-0.5	1	80	6.41	37	3.50	1.88	0.97	4.93	12.30	4.19	3.80	0.60
D	STS154	0.8	2	0.02	81.00	-0.5	3	130	8.17	27	3.63	1.96	0.95	5.31	14.60	3.98	5.10	0.67
D	STS155	0.5	4	0.01	26.70	-0.5	1	50	2.14	33	2.08	1.29	0.38	12.00	11.30	1.69	4.50	0.39
D	STS156	-0.5	2	0.01	74.10	-0.5	-1	40	3.41	13	3.54	1.82	1.00	3.18	7.90	4.60	3.80	0.62
D	STS157	-0.5	-2	0.04	63.20	-0.5	2	50	2.03	26	3.83	2.04	0.98	4.00	10.00	4.10	5.50	0.66
D	STS158	-0.5	-2	0.02	28.60	-0.5	1	60	0.47	25	1.76	0.89	0.47	8.43	2.90	1.94	2.60	0.33
D	STS159	-0.5	-2	0.02	59.50	-0.5	-1	30	0.48	8	2.38	1.35	0.64	1.29	1.50	2.73	4.80	0.42
D	STS160	-0.5	2	0.01	97.20	-0.5	-1	50	2.79	12	4.60	2.27	1.34	2.61	8.10	6.07	6.10	0.76
D	STS161	0.8	4	0.02	80.10	-0.5	3	190	7.35	51	4.41	2.04	1.59	5.01	15.40	6.03	5.00	0.73
D	STS162	1.1	-2	0.01	65.90	-0.5	3	80	7.60	28	3.46	1.99	0.86	6.41	15.90	3.72	4.40	0.60
D	STS163	1.1	2	0.01	66.90	-0.5	4	470	8.49	76	3.51	1.92	0.97	11.05	12.80	3.93	2.80	0.63
D	STS164	1.2	-2	0.02	99.90	-0.5	7	60	8.82	16	4.71	2.10	1.24	6.06	15.50	5.67	3.80	0.75
D	STS165	0.6	2	0.05	67.70	-0.5	3	30	4.83	18	3.51	1.79	0.90	2.06	7.50	3.97	4.40	0.68
D	STS166	0.7	-2	0.02	72.10	-0.5	3	130	5.61	20	4.32	2.20	1.28	3.98	11.40	5.09	5.10	0.87
D	STS167	0.5	-2	0.01	23.60	-0.5	14	620	9.97	46	1.88	1.32	0.38	9.73	18.20	1.73	3.20	0.43
D	STS168	0.6	-2	0.02	34.30	-0.5	82	620	13.75	62	2.28	1.76	0.50	8.68	14.10	1.88	2.70	0.53
D	STS169	0.8	-2	0.03	61.60	-0.5	3	290	6.48	20	3.65	2.16	0.80	3.98	12.50	3.80	3.80	0.71
D	STS170	0.6	-2	0.03	54.20	-0.5	1	60	6.99	14	3.44	2.11	0.71	1.69	10.00	3.25	6.70	0.67
D	STS171	-0.5	-2	0.04	55.80	-0.5	-1	40	2.81	13	2.89	1.59	0.82	3.19	7.90	3.28	5.30	0.52
D	STS172	-0.5	-2	0.04	42.80	-0.5	1	20	1.52	7	2.15	1.17	0.66	2.26	3.80	2.60	4.30	0.40
D	STS173	-0.5	-2	0.07	26.60	-0.5	1	70	0.43	11	1.80	1.16	0.46	1.06	1.30	1.61	4.80	0.41
D	STS174	0.9	2	0.01	91.30	-0.5	-1	50	10.60	6	5.27	3.51	0.94	1.25	16.60	4.63	8.10	1.08
D	STS175	0.8	-2	0.01	85.60	-0.5	1	40	10.00	6	4.62	2.97	0.87	1.31	16.00	4.30	7.60	0.93
D	STS176	-0.5	-2	0.01	77.20	-0.5	1	30	2.54	5	4.47	3.18	0.79	0.32	3.50	4.30	11.40	0.92
D	STS177	-0.5	-2	0.02	26.40	-0.5	-1	30	1.84	7	3.27	2.26	0.39	0.51	3.80	2.33	8.90	0.72
D	STS178	-0.5	-2	0.36	38.90	-0.5	-1	20	1.66	9	2.89	1.81	0.45	0.30	3.20	2.31	5.70	0.59
D	STS179	-0.5	-2	0.05	55.80	-0.5	-1	20	2.50	5	3.81	2.44	0.55	0.52	4.30	3.06	8.60	0.77
D	STS180	-0.5	-2	0.09	58.10	-0.5	-1	30	4.47	6	4.17	2.71	0.60	0.36	7.70	3.35	8.00	0.90
D	STS181	0.8	2	0.15	79.10	-0.5	1	40	9.26	6	4.37	2.61	1.11	0.42	12.80	5.20	6.10	0.79
D	STS182	0.7	2	0.03	77.10	-0.5	1	50	7.19	10	3.88	2.50	0.86	0.52	9.90	4.11	6.10	0.76
D	STS183	0.5	-2	0.02	109.50	-0.5	1	30	6.65	9	4.07	3.04	0.87	0.43	8.80	4.63	10.60	0.88
D	STS184	-0.5	-2	0.01	102.50	-0.5	1	40	5.15	4	4.55	2.89	1.00	0.40	7.80	4.93	11.80	0.92
D	STS185	1.1	-2	0.01	96.70	-0.5	1	50	10.05	6	4.36	2.76	0.83	1.45	13.00	4.29	7.40	0.83
D	STS186	8.5	2	0.21	194.50	-0.5	73	110	28.00	36	11.20	6.58	1.84	2.28	21.90	12.40	13.30	2.13
D	STS187	1.8	-2	0.04	119.50	-0.5	3	100	16.55	34	5.77	3.90	1.08	2.28	21.00	5.65	8.90	1.16
D	STS188	0.8	3	0.01	97.30	-0.5	1	40	10.95	7	5.07	3.37	1.00	0.79	15.10	4.77	8.30	0.97
D	STS189	1.2	-2	0.01	103.50	-0.5	1	60	16.30	4	5.51	3.69	1.05	0.83	21.50	4.91	8.00	1.14
D	STS190	-0.5	-2	0.04	90.80	-0.5	-1	40	4.00	7	5.13	3.24	0.90	0.49	6.80	4.71	8.00	0.97
D	STS191	0.7	-2	0.08	49.20	-0.5	3	140	6.55	34	2.94	2.14	0.78	3.35	14.20	2.70	4.90	0.62
D	STS192	-0.5	-2	0.07	3.50	-0.5	1	10	0.20	14	0.44	0.32	0.04	1.75	1.80	0.28	1.70	0.10
D	STS193	-0.5	-2	0.15	57.00	-0.5	2	80	2.81	15	2.78	1.73	0.86	0.59	3.40	3.26	5.10	0.54
D	STS194	-0.5	-2	0.04	39.50	-0.5	1	80	2.94	13	2.32	1.65	0.54	0.63	3.70	2.28	5.30	0.50
D	STS195	-0.5	-2	0.03	72.80	-0.5	3	110	4.42	19	3.11	1.93	1.01	0.99	6.30	3.50	6.20	0.63
D	STS196	-0.5	-2	0.02	56.00	-0.5	2	70	2.36	13	2.44	1.62	0.68	0.63	3.70	2.62	5.20	0.54
D	STS197	-0.5	-2	0.02	63.60	-0.5	3	90	4.95	18	2.79	1.67	0.96	1.08	6.20	3.15	5.60	0.57
D	STS198	-0.5	-2	0.04	86.60	-0.5	1	90	4.26	14	3.39	2.17	1.09	1.90	5.40	3.86	5.20	0.74
D	STS199	-0.5	2	0.03	64.90	-0.5	1	90	4.33	17	2.51	1.65	0.93	1.68	5.80	3.05	4.70	0.56
D	STS200	-0.5	-2	0.02	37.90	-0.5	1	40	1.31	4	3.49	2.40	0.49	0.47	2.20	2.61	9.60	0.76
D	STS201	-0.5	2	0.02	38.10	-0.5	-1	30	1.37	4	3.58	2.24	0.52	0.43	2.30	2.58	9.70	0.75
D	STS202	0.5	-2	0.02	51.30	-0.5	1	40	5.46	4	3.62	2.22	0.58	0.55	7.20	2.80	8.30	0.81
D	STS203	-0.5	-2	0.02	49.70	-0.5	1	60	1.59	3	2.34	1.46	0.54	0.45	4.20	2.22	4.50	0.52



H0002	Version																	
H0003	Date_generated																	
H0004	Reporting_period_end_date																	
H0005	State																	
H0100	Tenement_no																	
H0101	Tenement_holder																	
H0102	Project_name																	
H0106	Tenement_operator																	
H0200	Start_date_of_data_acquisition																	
H0201	End_date_of_data_acquisition																	
H0202	Template_format																	
H0203	Number_of_data_records																	
H0204	Date_of_metadata_update																	
H0300	Related_data_files																	
H0305	Surface_Geochem_data_file																	
H0308	File_verification_list																	
H0318	QAQC_data_file																	
H0500	Feature_located																	
H0501	Geodetic_datum																	
H0502	Vertical_datum																	
H0503	Projection																	
H0530	Coordinate_system																	
H0531	Projection_Zone																	
H0532	Surveying_instrument																	
H0533	Surveying_company																	
H0601	Sample_type																	
H0602	Sampling_description																	
H0700	Sample_preparation_code																	
H0701	Sample_preparation_description																	
H0702	Laboratory_batch_number																	
H0800	Assay_code																	
H0801	Assay_company																	
H0802	Assay_description																	
H0900	Remarks																	
H1000	Sample_id	K	La	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Sm
H1001	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
H1003	Lower_detection_limit																	
H1004	Accuracy																	
H1005	Upper_detection_limit																	
D	STS001	0.03	0.70	0.20	19	-1	0.09	1.40	0.50	2	210	7	0.14	0.80	0.13	-5	-1	0.12
D	STS002	0.17	24.50	0.18	55	2	0.02	15.60	28.20	20	750	83	6.72	10.80	0.05	-5	6	7.42
D	STS003	0.32	21.80	0.12	40	1	0.02	19.90	19.90	17	360	19	5.43	15.60	0.04	-5	5	3.99
D	STS004	0.55	31.60	0.17	37	-1	0.02	28.80	23.80	3	160	13	6.90	27.00	0.02	-5	4	4.15
D	STS005	0.44	11.00	0.29	38	1	0.02	31.90	9.00	14	310	19	2.52	20.30	0.05	-5	9	1.77
D	STS006	0.54	26.80	0.11	17	-1	0.03	15.40	25.10	1	100	6	6.96	27.50	0.01	-5	3	4.58
D	STS007	2.02	39.90	0.31	22	1	0.05	20.20	33.50	2	150	8	9.72	86.60	0.02	-5	7	5.16
D	STS008	1.80	39.40	0.30	22	-1	0.06	23.90	33.00	4	200	9	9.57	87.10	0.02	-5	7	5.66
D	STS009	1.79	49.80	0.35	18	-1	0.04	23.90	42.80	5	250	20	12.40	90.90	0.02	-5	6	7.40
D	STS010	1.36	43.10	0.25	19	-1	0.04	25.60	33.50	2	240	13	10.00	66.90	0.03	-5	5	5.90
D	STS011	2.38	39.00	0.30	21	-1	0.06	20.90	30.70	4	160	13	9.07	109.50	0.02	-5	8	4.48
D	STS012	0.34	15.70	0.08	20	-1	0.03	13.50	13.00	2	150	7	3.63	16.40	0.05	-5	2	2.61
D	STS013	1.15	25.00	0.21	21	-1	0.04	13.80	21.10	2	160	8	6.06	56.20	0.03	-5	4	3.45
D	STS014	0.05	7.10	0.03	38	-1	0.02	27.50	5.60	3	110	6	1.53	1.90	0.03	-5	2	1.19
D	STS015	1.53	32.10	0.40	54	2	0.02	19.00	26.00	8	280	39	7.44	70.10	0.03	-5	8	5.28
D	STS016	0.31	18.70	0.14	27	2	0.02	22.80	12.70	24	420	75	3.79	15.10	0.04	-5	9	2.52
D	STS017	1.88	46.40	0.37	18	1	0.04	22.80	39.60	4	280	40	11.30	99.20	0.02	-5	7	7.21
D	STS018	1.95	41.40	0.30	17	-1	0.06	23.70	35.20	4	230	16	9.96	99.50	0.02	-5	8	5.92
D	STS019	1.45	33.50	0.25	29	-1	0.04	17.50	28.80	4	190	9	8.13	64.00	0.04	-5	6	4.83
D	STS020	0.54	26.80	0.11	21	-1	0.03	18.50	22.80	2	90	7	6.52	28.80	0.01	-5	3	4.21

H1000	Sample_id	K	La	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Sm
H1001	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
D	STS021	0.06	11.30	0.12	19	-1	0.03	9.30	9.10	3	240	4	2.68	2.80	0.10	-5	1	1.62
D	STS022	0.61	18.40	0.19	35	-1	0.02	16.20	15.80	9	220	14	4.49	30.30	0.04	-5	3	3.11
D	STS023	0.61	19.00	0.19	36	-1	0.02	16.80	16.90	9	230	15	4.64	31.50	0.04	-5	3	3.39
D	STS024	1.09	32.60	0.18	26	-1	0.04	19.60	26.50	3	160	7	7.87	55.20	0.03	-5	5	4.64
D	STS025	1.03	27.70	0.26	22	1	0.03	15.70	24.60	11	380	15	6.77	56.90	0.04	-5	4	5.06
D	STS026	0.22	15.80	0.10	18	-1	0.02	17.10	14.20	4	190	9	3.62	10.00	0.04	-5	3	2.52
D	STS027	0.03	1.00	0.03	14	-1	0.01	7.00	0.90	9	70	13	0.21	0.80	0.03	-5	11	0.17
D	STS028	1.18	44.70	0.34	22	2	0.02	30.70	36.90	7	200	39	9.85	64.40	0.02	-5	10	6.83
D	STS029	1.54	55.10	0.38	16	1	0.02	27.60	51.70	6	220	28	13.20	77.30	0.02	-5	10	11.15
D	STS030	0.91	45.60	0.24	27	1	0.02	23.10	36.80	3	170	20	10.20	41.90	0.03	-5	5	6.32
D	STS031	1.60	32.60	0.24	25	-1	0.04	15.90	28.70	3	150	7	7.71	78.10	0.02	5	6	4.81
D	STS032	0.79	26.40	0.21	20	-1	0.03	16.40	20.20	3	180	8	5.76	46.00	0.02	-5	3	3.20
D	STS033	0.02	1.40	0.04	34	-1	0.02	5.80	1.10	2	50	2	0.30	0.60	0.03	-5	1	0.29
D	STS034	2.38	40.00	0.55	16	1	0.02	25.60	34.70	14	230	262	9.07	93.10	0.02	-5	17	5.91
D	STS035	1.39	31.50	0.33	23	1	0.02	18.50	24.00	7	170	45	6.84	60.00	0.02	-5	8	3.90
D	STS036	1.76	44.40	0.45	26	1	0.03	21.80	38.00	8	270	48	10.30	79.50	0.03	-5	10	6.53
D	STS037	2.14	32.60	0.55	25	7	0.03	16.40	29.80	20	540	94	7.79	92.40	0.06	-5	14	5.40
D	STS038	0.95	9.10	0.56	93	-1	0.06	12.50	9.90	71	180	8	2.52	32.30	0.03	-5	48	2.45
D	STS039	1.03	35.40	0.30	40	2	0.03	24.90	26.80	9	240	41	7.50	57.70	0.03	-5	7	4.42
D	STS040	1.18	42.70	0.26	25	1	0.02	31.60	31.80	7	220	51	8.97	61.40	0.03	-5	6	4.42
D	STS041	0.37	16.90	0.09	25	-1	0.02	12.70	13.60	4	90	7	3.71	17.20	0.01	-5	2	2.44
D	STS042	0.59	38.50	0.11	21	-1	0.03	21.20	36.20	2	130	7	9.46	35.10	0.02	-5	4	6.23
D	STS043	0.39	23.20	0.07	32	-1	0.02	16.20	21.30	3	90	5	5.48	21.40	0.01	-5	2	3.71
D	STS044	0.63	30.20	0.24	47	1	0.02	32.00	23.60	7	230	18	6.47	42.40	0.03	-5	4	3.98
D	STS045	0.05	2.10	0.06	23	1	0.03	5.20	1.70	2	130	9	0.43	1.80	0.09	-5	2	0.28
D	STS046	1.05	33.80	0.25	24	3	0.02	22.10	27.20	3	140	35	7.31	48.10	0.01	-5	6	4.59
D	STS047	0.58	41.50	0.16	28	1	0.02	22.10	32.70	3	140	27	8.82	29.80	0.02	-5	3	5.40
D	STS048	0.70	36.30	0.21	32	1	0.02	25.80	29.00	2	160	11	7.88	28.50	0.02	-5	5	4.97
D	STS049	1.59	41.60	0.37	164	2	0.04	19.90	35.70	17	280	15	9.57	90.80	0.03	-5	13	6.04
D	STS050	1.08	46.00	0.30	62	4	0.03	17.30	41.80	11	270	20	10.80	53.80	0.03	-5	10	7.00
D	STS051	0.77	27.30	0.23	33	1	0.02	20.50	22.30	3	150	12	5.82	32.70	0.02	-5	5	3.76
D	STS052	0.03	2.90	0.06	31	1	0.02	7.40	2.50	1	140	-2	0.65	1.20	0.03	-5	5	0.53
D	STS053	0.70	29.40	0.35	121	1	0.02	58.60	21.20	10	330	19	6.11	34.30	0.04	-5	6	3.54
D	STS054	0.37	24.80	0.21	43	-1	0.02	64.80	18.10	7	240	12	5.02	18.20	0.05	-5	4	2.80
D	STS055	0.04	2.20	0.04	37	-1	0.02	6.10	1.80	2	210	6	0.45	1.30	0.06	-5	2	0.33
D	STS056	0.02	2.20	0.04	42	-1	0.02	10.30	1.90	2	70	3	0.50	0.90	0.03	-5	1	0.39
D	STS057	0.02	2.40	0.04	50	1	0.02	11.50	2.00	2	70	2	0.53	1.00	0.04	-5	1	0.46
D	STS058	0.06	11.60	0.04	32	-1	0.02	11.60	10.50	3	120	16	2.68	2.50	0.03	-5	1	1.88
D	STS059	0.06	5.80	0.03	31	-1	0.01	9.60	4.90	1	90	4	1.25	2.20	0.02	-5	1	0.96
D	STS060	0.29	14.70	0.08	28	1	0.01	13.30	11.10	2	90	11	3.10	12.80	0.02	-5	2	1.87
D	STS061	0.70	22.60	0.18	31	1	0.02	15.40	20.10	7	160	29	5.25	37.80	0.02	-5	5	3.41
D	STS062	0.27	15.80	0.08	27	1	0.01	9.40	13.70	5	130	9	3.60	16.20	0.01	-5	2	2.25
D	STS063	0.95	37.40	0.21	77	1	0.03	29.40	34.20	12	240	16	8.86	54.30	0.02	-5	14	6.14
D	STS064	0.60	30.80	0.21	38	2	0.02	34.20	28.90	21	200	24	7.28	39.10	0.03	-5	18	5.70
D	STS065	0.05	9.50	0.25	303	1	0.03	19.90	10.00	60	690	23	2.46	3.30	0.05	-5	43	2.45
D	STS066	0.77	33.50	0.22	40	-1	0.02	36.20	36.10	19	200	18	8.59	55.20	0.03	-5	21	7.90
D	STS067	0.71	31.80	0.30	124	-1	0.03	30.70	28.50	14	210	12	7.14	67.40	0.03	-5	19	5.61
D	STS068	0.52	25.80	0.25	135	1	0.02	30.30	24.70	21	430	17	6.25	43.10	0.04	-5	31	5.28
D	STS069	1.12	30.70	0.27	2780	1	0.03	29.50	28.30	64	630	65	7.35	62.40	0.04	-5	29	5.96
D	STS070	0.96	33.50	0.29	126	1	0.03	33.70	31.10	18	310	20	8.03	68.30	0.03	-5	29	6.54
D	STS071	1.52	21.60	0.25	31	1	0.02	17.60	21.60	7	270	83	5.54	56.30	0.04	-5	13	4.14
D	STS072	0.62	31.90	0.13	42	1	0.02	12.60	31.00	14	350	119	8.06	31.20	0.03	7	5	5.27
D	STS073	0.41	23.70	0.11	29	1	0.02	14.40	20.90	4	180	36	5.52	23.40	0.02	-5	4	3.75
D	STS074	0.52	25.60	0.14	25	1	0.02	21.20	21.10	3	140	19	5.51	26.10	0.02	-5	4	3.72
D	STS075	0.03	1.20	0.05	22	-1	0.02	4.30	1.00	1	120	5	0.25	0.80	0.05	-5	1	0.19
D	STS076	0.07	3.00	0.04	32	-1	0.02	8.10	2.60	2	190	13	0.69	3.30	0.04	-5	1	0.49
D	STS077	0.44	14.10	0.10	34	-1	0.02	10.80	12.20	2	180	13	3.34	22.60	0.03	-5	2	2.12
D	STS078	1.88	30.20	0.30	16	-1	0.04	15.70	27.00	3	180	9	7.17	83.50	0.03	-5	7	4.59
D	STS079	1.58	32.80	0.47	134	1	0.14	17.00	24.60	16	130	18	7.32	89.80	0.02	-5	10	3.73
D	STS080	0.16	12.10	0.05	32	1	0.01	9.00	9.10	3	100	3	2.63	7.50	0.02	-5	1	1.59
D	STS081	0.21	17.50	0.08	30	-1	0.02	14.80	12.50	3	120	7	3.80	9.50	0.03	-5	2	2.01

H1000	Sample_id	K	La	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Sm
H1001	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
D	STS082	0.20	19.70	0.07	29	-1	0.02	14.20	15.00	2	120	14	4.43	9.40	0.04	-5	2	2.80
D	STS083	0.03	1.70	0.07	22	-1	0.03	2.90	1.30	1	110	3	0.39	0.80	0.06	-5	1	0.30
D	STS084	0.07	14.50	0.04	42	1	0.02	12.00	10.50	2	110	7	3.14	2.90	0.02	-5	1	1.74
D	STS085	1.31	30.10	0.22	22	-1	0.03	14.50	24.70	2	140	6	7.24	64.00	0.02	-5	5	4.33
D	STS086	1.44	37.00	0.23	18	-1	0.04	19.20	30.50	3	150	8	8.73	74.90	0.02	-5	5	5.00
D	STS087	1.00	30.70	0.19	29	-1	0.02	15.50	25.40	2	80	3	7.28	50.20	0.01	-5	4	4.00
D	STS088	2.75	51.00	0.44	19	1	0.05	26.10	40.80	3	160	24	11.80	161.50	0.02	-5	12	5.31
D	STS089	0.04	23.00	0.04	59	1	0.02	16.30	17.10	2	130	7	5.15	1.50	0.02	-5	1	2.32
D	STS090	0.13	14.50	0.06	35	-1	0.02	13.60	10.00	4	70	7	3.09	5.90	0.03	-5	2	1.65
D	STS091	0.12	17.10	0.05	37	1	0.02	11.00	13.30	2	90	4	3.88	5.40	0.02	-5	1	2.30
D	STS092	0.03	3.50	0.07	46	2	0.03	7.60	3.30	2	110	7	0.84	0.80	0.05	-5	1	0.64
D	STS093	0.25	29.10	0.06	57	-1	0.02	18.30	22.50	2	100	3	6.86	12.60	0.02	-5	2	3.55
D	STS094	0.31	33.70	0.11	41	-1	0.02	23.40	29.50	4	200	42	8.28	20.90	0.02	-5	2	4.79
D	STS095	0.18	12.90	0.07	63	1	0.02	22.00	9.80	3	100	6	2.85	7.30	0.02	-5	2	1.74
D	STS096	0.68	20.40	0.38	1670	-1	0.28	26.70	20.20	22	450	21	4.97	58.10	0.04	-5	22	4.59
D	STS097	0.98	23.10	0.36	190	1	0.04	27.50	21.10	22	390	21	5.37	75.80	0.04	-5	28	4.39
D	STS098	0.78	17.60	0.41	472	1	0.08	25.10	14.60	17	420	18	3.57	65.30	0.04	-5	19	2.93
D	STS099	0.88	22.00	0.38	240	-1	0.28	29.00	18.20	13	310	18	4.68	73.90	0.03	-5	19	3.78
D	STS100	0.58	19.00	0.20	78	-1	0.10	18.40	15.40	12	190	14	4.10	36.40	0.02	-5	11	2.85
D	STS101	2.14	31.70	0.57	47	1	0.02	27.90	26.70	25	120	12	6.90	98.00	0.01	-5	16	4.91
D	STS102	1.28	12.70	0.52	59	1	0.02	18.40	12.30	31	180	9	3.00	50.60	0.02	-5	31	2.80
D	STS103	0.57	17.20	0.19	82	1	0.02	12.00	13.90	13	180	25	3.68	33.90	0.02	-5	13	2.63
D	STS104	0.19	11.50	0.11	32	-1	0.02	29.10	8.40	6	230	13	2.27	9.60	0.06	-5	4	1.35
D	STS105	0.71	30.10	0.15	50	-1	0.03	17.70	26.90	3	200	7	7.23	39.20	0.03	-5	4	4.70
D	STS106	0.60	36.40	0.12	41	1	0.02	23.00	30.40	3	150	12	8.23	32.10	0.02	-5	3	4.50
D	STS107	0.03	7.30	0.04	53	-1	0.03	20.10	5.30	3	110	9	1.48	1.30	0.04	-5	1	0.99
D	STS108	2.93	38.30	0.77	22	4	0.03	37.20	29.10	5	210	51	7.86	121.50	0.04	-5	13	5.23
D	STS109	0.62	32.40	0.18	37	1	0.02	22.90	26.40	3	160	21	7.21	35.00	0.02	-5	4	4.54
D	STS110	0.91	21.90	0.28	60	1	0.02	16.70	18.10	9	160	22	4.75	47.80	0.02	-5	8	3.35
D	STS111	0.34	13.60	0.17	89	1	0.15	20.90	10.40	14	200	15	2.78	27.20	0.03	-5	15	2.00
D	STS112	0.50	8.80	0.31	263	1	0.06	27.00	7.00	27	490	20	1.76	33.20	0.05	-5	30	1.73
D	STS113	0.64	23.30	0.49	561	1	0.20	27.00	23.40	28	390	20	5.87	46.40	0.04	-5	20	5.01
D	STS114	0.56	18.50	0.27	493	1	0.09	33.20	17.70	14	440	19	4.40	49.20	0.06	-5	17	4.06
D	STS115	0.81	22.20	0.34	290	-1	0.06	34.20	20.50	19	350	15	5.19	62.20	0.03	-5	21	4.56
D	STS116	0.99	25.00	0.31	399	1	0.12	27.90	23.90	16	290	17	5.94	65.00	0.03	-5	20	5.61
D	STS117	1.33	32.40	1.12	533	1	0.69	29.30	36.00	47	320	14	8.47	69.80	0.02	-5	29	8.71
D	STS118	0.19	12.00	0.38	176	-1	1.84	13.70	12.80	21	290	17	3.11	11.10	0.07	-5	16	3.12
D	STS119	0.32	14.90	0.07	72	-1	0.02	10.30	12.60	3	120	6	3.48	18.80	0.02	-5	2	2.28
D	STS120	0.27	12.10	0.06	59	-1	0.02	8.10	10.00	4	80	4	2.71	13.40	0.02	-5	2	1.57
D	STS121	0.38	18.20	0.09	57	-1	0.02	11.40	14.90	2	110	8	3.98	19.10	0.03	-5	2	2.35
D	STS122	0.50	26.80	0.08	56	-1	0.03	17.80	23.10	2	100	3	6.28	24.80	0.01	-5	3	3.41
D	STS123	0.22	15.30	0.10	41	1	0.02	17.10	13.50	5	200	9	3.51	10.00	0.04	-5	3	2.47
D	STS124	0.86	32.00	0.46	729	2	0.13	27.50	29.30	21	410	20	7.63	71.50	0.04	-5	18	6.10
D	STS125	0.95	32.30	0.50	640	2	0.13	27.90	29.70	22	400	21	7.62	75.70	0.04	-5	19	5.97
D	STS126	1.21	53.40	0.24	32	1	0.04	20.40	43.20	2	160	12	12.15	78.10	0.03	-5	6	6.65
D	STS127	0.48	14.20	0.35	423	1	0.02	29.20	10.80	31	1190	18	2.77	32.50	0.07	-5	22	2.21
D	STS128	0.22	16.90	0.45	2370	4	0.12	30.30	23.60	90	910	10	5.36	11.40	0.08	-5	29	6.40
D	STS129	0.12	6.50	0.25	2390	2	0.03	33.80	7.80	107	990	26	1.82	8.60	0.09	-5	33	1.98
D	STS130	0.40	2.60	0.38	914	1	0.02	29.20	3.30	42	1110	15	0.74	26.50	0.08	-5	28	1.07
D	STS131	0.28	10.50	0.30	570	2	0.02	30.40	8.80	48	840	20	2.36	19.10	0.08	5	40	2.21
D	STS132	0.19	5.10	0.26	1970	2	0.03	34.20	4.60	66	940	52	1.20	12.00	0.11	-5	49	1.22
D	STS133	1.03	11.10	0.38	916	2	0.03	32.90	9.40	50	730	16	2.36	55.30	0.04	-5	33	2.39
D	STS134	0.68	10.60	0.35	455	1	0.03	29.20	5.60	42	510	15	1.73	48.30	0.05	-5	24	1.20
D	STS135	0.66	11.10	0.41	460	1	0.04	30.70	7.40	56	600	15	2.07	51.60	0.05	11	31	1.68
D	STS136	0.12	3.00	0.24	1130	2	0.02	34.80	4.50	90	1180	11	1.03	8.00	0.12	-5	54	1.46
D	STS137	0.57	6.60	0.37	3430	2	0.02	32.90	5.60	62	1090	14	1.46	43.20	0.07	-5	32	1.40
D	STS138	0.70	8.20	0.50	540	2	0.03	27.50	8.40	82	780	17	2.02	52.70	0.06	6	22	2.18
D	STS139	0.19	2.90	0.40	1640	1	0.02	28.60	4.30	111	1160	8	1.00	10.70	0.08	-5	32	1.37
D	STS140	0.15	3.30	0.21	413	3	0.02	33.10	3.90	44	910	22	0.91	10.40	0.08	-5	28	1.32
D	STS141	0.25	4.20	0.32	529	2	0.03	35.30	6.70	78	730	17	1.45	18.30	0.06	-5	35	2.10
D	STS142	0.59	13.00	0.34	807	2	0.03	31.80	10.10	24	990	17	2.53	43.40	0.06	-5	28	2.15

H1000	Sample_id	K	La	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Sm
H1001	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
D	STS143	3.43	46.60	0.51	46	-1	0.05	18.30	35.30	4	100	8	10.05	165.50	0.01	7	11	5.83
D	STS144	0.37	27.60	0.14	221	1	0.11	35.50	25.90	9	160	14	6.62	30.20	0.02	-5	12	5.40
D	STS145	0.70	17.30	0.31	374	1	0.02	29.50	18.20	22	660	12	4.31	47.70	0.06	-5	23	4.18
D	STS146	0.83	20.20	0.37	610	1	0.03	29.90	20.00	29	660	17	5.05	58.20	0.05	-5	21	4.36
D	STS147	0.63	12.00	0.27	1360	-1	0.05	30.50	11.80	28	560	17	2.95	50.80	0.06	-5	20	2.83
D	STS148	0.36	27.10	0.23	271	1	0.07	29.40	27.10	26	750	18	6.63	26.40	0.07	-5	22	6.05
D	STS149	0.67	23.40	0.41	147	1	0.15	27.40	23.10	28	420	12	5.71	44.60	0.04	-5	28	4.73
D	STS150	1.70	39.90	0.50	108	-1	0.10	20.10	34.70	14	230	18	9.14	89.50	0.03	-5	10	5.91
D	STS151	1.89	63.30	0.43	30	4	0.04	22.70	54.00	11	150	27	14.45	110.00	0.01	-5	11	8.79
D	STS152	2.16	62.20	0.49	28	4	0.04	20.70	53.50	11	190	24	14.30	129.00	0.02	-5	11	8.67
D	STS153	0.94	36.70	0.29	40	2	0.03	16.90	32.00	16	330	34	8.78	68.50	0.04	5	10	5.96
D	STS154	1.29	40.40	0.38	45	1	0.03	21.20	33.90	20	320	20	9.23	80.60	0.03	-5	12	5.66
D	STS155	0.20	14.60	0.10	38	2	0.02	17.30	10.70	13	310	33	3.00	11.90	0.04	-5	9	1.88
D	STS156	0.52	39.10	0.14	42	2	0.02	16.40	34.30	7	190	17	9.03	31.60	0.04	-5	6	5.92
D	STS157	0.32	32.70	0.14	38	1	0.02	22.10	27.80	24	250	36	7.30	15.90	0.05	-5	7	5.20
D	STS158	0.08	16.20	0.04	49	2	0.02	11.10	14.40	5	300	19	3.69	3.30	0.06	-5	5	2.50
D	STS159	0.11	31.50	0.04	57	1	0.02	18.30	24.40	4	120	10	6.92	4.90	0.03	-5	2	3.95
D	STS160	0.65	49.00	0.20	54	2	0.02	24.20	44.20	10	180	74	11.65	35.30	0.02	-5	6	7.77
D	STS161	1.10	38.70	0.38	57	2	0.02	21.50	39.60	41	410	174	9.92	59.20	0.03	-5	14	7.71
D	STS162	1.89	32.60	0.37	64	2	0.04	14.90	27.80	15	310	32	7.52	105.50	0.04	-5	11	5.15
D	STS163	1.61	31.70	0.59	182	1	0.02	11.00	28.00	39	700	97	7.60	76.60	0.04	-5	33	5.30
D	STS164	1.64	47.50	0.42	1280	2	0.03	13.00	40.00	15	370	29	10.80	103.00	0.02	5	11	7.16
D	STS165	0.74	31.20	0.20	527	1	0.03	12.60	26.90	7	270	24	7.25	41.70	0.04	-5	5	5.17
D	STS166	0.92	33.00	0.23	201	-1	0.02	28.90	29.70	11	430	28	7.93	63.80	0.02	-5	12	6.06
D	STS167	1.40	13.40	0.49	422	-1	0.02	14.90	9.60	53	260	19	2.57	67.60	0.02	-5	40	1.83
D	STS168	2.70	12.60	0.98	1310	-1	0.02	12.60	10.30	65	310	18	2.87	88.70	0.03	-5	43	2.18
D	STS169	1.81	32.20	0.36	130	5	0.04	16.40	26.20	11	280	14	7.32	77.00	0.03	-5	13	4.76
D	STS170	1.16	29.00	0.30	40	3	0.03	15.00	23.90	5	260	20	6.51	58.90	0.03	-5	6	4.02
D	STS171	0.77	28.50	0.22	41	1	0.02	18.40	24.10	2	230	24	6.60	40.20	0.03	-5	5	4.15
D	STS172	0.29	21.80	0.10	34	1	0.02	15.90	18.00	3	240	18	4.95	12.40	0.04	-5	3	3.22
D	STS173	0.08	13.90	0.06	51	-1	0.03	28.20	11.20	2	180	10	3.09	2.80	0.05	-5	2	2.02
D	STS174	2.03	44.90	0.33	23	1	0.05	22.50	38.60	3	160	8	10.60	102.50	0.02	5	8	6.23
D	STS175	1.95	41.50	0.32	20	-1	0.05	21.00	35.10	2	170	11	9.91	99.80	0.03	-5	7	5.57
D	STS176	0.32	39.10	0.07	29	-1	0.02	23.40	31.20	1	100	6	8.90	15.90	0.01	-5	2	5.06
D	STS177	0.41	13.50	0.09	33	-1	0.03	15.40	10.80	3	100	15	2.98	18.30	0.02	-5	2	1.94
D	STS178	0.40	19.10	0.16	25	-1	0.04	12.80	16.00	-1	300	10	4.55	17.90	0.10	-5	2	2.51
D	STS179	0.48	28.10	0.12	30	-1	0.04	17.30	22.40	2	180	10	6.45	24.60	0.05	-5	2	3.59
D	STS180	0.91	29.90	0.17	25	-1	0.05	18.80	22.90	3	170	10	6.66	43.70	0.04	-5	4	3.66
D	STS181	1.94	38.10	0.45	19	-1	0.06	16.60	36.40	4	320	19	9.76	88.90	0.07	-5	5	6.94
D	STS182	1.51	39.30	0.34	20	1	0.04	14.30	33.10	2	230	25	9.30	70.20	0.05	-5	6	5.52
D	STS183	0.83	60.20	0.20	24	1	0.03	52.60	41.90	3	170	7	12.20	44.40	0.02	-5	3	6.16
D	STS184	0.78	52.20	0.17	28	-1	0.02	29.30	43.20	4	110	9	12.05	44.40	0.01	-5	3	6.82
D	STS185	1.97	50.40	0.45	16	1	0.04	37.20	38.00	6	150	18	11.20	90.70	0.01	-5	7	5.85
D	STS186	3.16	101.50	0.64	40	-1	0.20	68.10	81.50	89	420	68	22.90	149.00	1.32	-5	12	14.70
D	STS187	3.13	54.50	0.67	59	2	0.04	31.00	41.20	11	370	34	12.15	151.00	0.03	5	12	6.74
D	STS188	1.90	48.70	0.37	21	1	0.04	20.70	39.10	4	220	20	11.20	95.10	0.03	-5	7	6.31
D	STS189	2.80	51.20	0.42	20	1	0.06	22.80	42.30	3	190	11	11.95	144.00	0.02	-5	10	6.86
D	STS190	0.62	46.00	0.12	34	-1	0.03	21.60	37.50	2	180	10	10.55	30.90	0.03	-5	4	6.10
D	STS191	1.10	25.70	0.35	30	1	0.03	32.00	19.90	32	570	14	5.66	44.30	0.09	-5	10	3.56
D	STS192	0.04	2.00	0.09	36	-1	0.03	4.20	1.40	3	220	10	0.38	1.40	0.07	-5	2	0.25
D	STS193	0.30	29.80	0.11	79	1	0.03	45.30	23.30	4	260	17	6.60	11.70	0.06	-5	3	3.83
D	STS194	0.31	21.00	0.11	47	1	0.02	33.60	16.00	3	150	12	4.55	11.90	0.03	-5	3	2.83
D	STS195	0.34	38.90	0.15	74	1	0.02	75.80	28.60	7	170	9	8.30	14.90	0.02	-5	4	4.52
D	STS196	0.24	28.50	0.09	59	1	0.02	37.10	21.80	3	170	12	6.19	10.10	0.03	-5	2	3.75
D	STS197	0.42	32.70	0.16	84	1	0.03	62.40	25.10	6	190	14	6.94	17.60	0.03	-5	4	4.36
D	STS198	0.34	43.80	0.13	57	2	0.02	34.70	33.30	5	270	22	9.64	18.50	0.04	-5	4	5.66
D	STS199	0.48	33.10	0.17	59	4	0.02	34.40	26.50	5	190	27	7.27	26.50	0.02	-5	4	4.41
D	STS200	0.23	18.00	0.05	46	-1	0.02	17.20	15.50	2	80	4	4.25	12.20	0.02	-5	2	2.80
D	STS201	0.25	18.20	0.05	42	-1	0.02	16.70	15.20	1	80	5	4.26	13.10	0.02	-5	2	2.55
D	STS202	1.01	24.80	0.16	39	-1	0.03	15.60	20.80	2	160	9	5.81	52.60	0.04	-5	4	3.44
D	STS203	0.55	24.40	0.09	41	1	0.02	19.60	19.40	3	100	5	5.48	22.20	0.01	5	2	3.00



H0002	Version												
H0003	Date_generated												
H0004	Reporting_period_end_date												
H0005	State												
H0100	Tenement_no												
H0101	Tenement_holder												
H0102	Project_name												
H0106	Tenement_operator												
H0200	Start_date_of_data_acquisition												
H0201	End_date_of_data_acquisition												
H0202	Template_format												
H0203	Number_of_data_records												
H0204	Date_of_metadata_update												
H0300	Related_data_files												
H0305	Surface_Geochem_data_file												
H0308	File_verification_list												
H0318	QAQC_data_file												
H0500	Feature_located												
H0501	Geodetic_datum												
H0502	Vertical_datum												
H0503	Projection												
H0530	Coordinate_system												
H0531	Projection_Zone												
H0532	Surveying_instrument												
H0533	Surveying_company												
H0601	Sample_type												
H0602	Sampling_description												
H0700	Sample_preparation_code												
H0701	Sample_preparation_description												
H0702	Laboratory_batch_number												
H0800	Assay_code												
H0801	Assay_company												
H0802	Assay_description												
H0900	Remarks												
H1000	Sample_id	Sr	Ta	Th	Ti	Tl	Tm	U	V	Y	Yb	Zn	Zr
H1001	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
H1003	Lower_detection_limit												
H1004	Accuracy												
H1005	Upper_detection_limit												
D	STS001	18.30	0.10	0.26	0.05	-10	0.02	0.12	5	1.00	0.15	10	25
D	STS002	25.90	1.00	3.86	0.49	-10	0.31	6.03	123	19.00	1.58	19	118
D	STS003	18.50	1.20	4.60	0.44	-10	0.22	0.85	85	11.60	1.37	10	184
D	STS004	12.70	1.60	5.22	0.45	-10	0.23	1.37	39	14.00	1.51	7	232
D	STS005	10.60	2.00	2.96	1.03	-10	0.19	1.07	127	9.50	1.15	44	177
D	STS006	13.20	1.20	6.44	0.32	-10	0.43	2.07	29	24.70	2.88	5	407
D	STS007	22.80	1.30	9.90	0.41	-10	0.49	2.54	60	28.20	3.15	7	339
D	STS008	29.30	1.60	10.05	0.42	-10	0.49	2.57	52	30.60	3.35	9	344
D	STS009	26.10	1.50	10.15	0.41	-10	0.53	2.71	48	32.60	3.51	8	368
D	STS010	22.20	1.70	8.58	0.41	-10	0.48	2.60	41	29.30	3.32	8	415
D	STS011	32.10	1.40	11.05	0.38	-10	0.53	3.22	63	32.10	3.61	14	294
D	STS012	24.20	0.90	4.43	0.24	-10	0.41	1.87	15	24.90	2.80	7	563
D	STS013	19.70	1.00	6.26	0.28	-10	0.37	1.89	33	21.80	2.44	8	344
D	STS014	14.30	1.60	1.76	0.81	-10	0.13	0.72	59	7.10	0.93	12	183
D	STS015	16.10	1.20	7.72	0.46	-10	0.27	1.72	96	16.70	1.73	9	190
D	STS016	12.70	1.30	6.10	0.47	-10	0.20	1.66	107	10.40	1.38	13	185
D	STS017	27.00	1.50	9.61	0.38	-10	0.54	2.67	49	32.30	3.53	8	389
D	STS018	32.90	1.60	11.00	0.42	-10	0.53	2.77	61	31.60	3.33	9	297
D	STS019	28.30	1.20	7.98	0.34	-10	0.45	2.28	40	27.80	3.11	8	417
D	STS020	16.60	1.40	6.39	0.34	-10	0.49	2.40	23	29.80	3.05	5	501

H1000	Sample_id	Sr	Ta	Th	Ti	Tl	Tm	U	V	Y	Yb	Zn	Zr
H1001	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
D	STS021	21.10	0.50	2.80	0.18	-10	0.23	1.18	8	15.20	1.56	6	279
D	STS022	18.20	1.00	3.63	0.32	-10	0.27	1.00	37	15.20	1.81	15	265
D	STS023	17.90	1.00	3.75	0.33	-10	0.28	1.01	39	15.50	1.78	15	268
D	STS024	21.00	1.30	7.43	0.38	-10	0.42	2.21	36	25.70	2.82	8	352
D	STS025	44.20	1.10	6.88	0.29	-10	0.37	2.16	37	22.40	2.30	6	296
D	STS026	12.90	1.00	2.91	0.53	-10	0.12	0.88	31	8.30	0.90	10	148
D	STS027	2.80	0.30	1.21	0.79	-10	0.05	0.27	111	3.00	0.47	18	179
D	STS028	19.00	1.70	9.98	0.54	-10	0.30	2.00	97	19.30	2.04	9	244
D	STS029	27.10	1.70	11.50	0.60	-10	0.41	2.08	107	25.10	2.59	9	250
D	STS030	12.50	1.40	7.35	0.48	-10	0.29	1.64	60	16.50	1.77	7	239
D	STS031	27.70	1.10	9.04	0.30	-10	0.53	2.59	48	32.20	3.53	6	487
D	STS032	16.90	1.20	6.01	0.29	-10	0.33	2.05	31	20.10	2.22	7	306
D	STS033	4.20	0.40	0.90	0.21	-10	0.10	0.42	6	4.70	0.58	5	111
D	STS034	13.30	1.60	10.20	0.57	-10	0.35	1.96	122	18.30	2.18	14	215
D	STS035	9.90	1.20	6.75	0.40	-10	0.24	1.33	78	13.40	1.57	10	187
D	STS036	15.30	1.30	10.80	0.55	-10	0.35	1.85	103	20.70	2.25	15	210
D	STS037	10.80	1.10	8.42	0.64	-10	0.33	3.45	175	21.20	2.11	16	170
D	STS038	5.40	0.70	5.22	0.38	-10	0.44	0.65	202	14.30	3.27	96	122
D	STS039	14.40	1.50	7.65	0.47	-10	0.31	1.89	84	16.50	1.96	14	210
D	STS040	15.40	1.90	8.04	0.47	-10	0.36	2.04	71	20.90	2.37	10	264
D	STS041	9.20	0.80	3.46	0.22	-10	0.25	1.18	17	13.90	1.77	7	302
D	STS042	18.00	1.40	7.97	0.40	-10	0.52	2.42	25	32.90	3.68	5	478
D	STS043	12.50	1.10	5.17	0.30	-10	0.39	1.82	16	23.10	2.62	6	430
D	STS044	12.50	1.90	5.47	0.55	-10	0.29	1.40	68	16.30	1.83	26	248
D	STS045	27.80	0.30	0.75	0.15	-10	0.05	0.34	22	3.10	0.41	11	72
D	STS046	15.50	1.40	8.01	0.55	-10	0.34	1.85	87	19.50	2.38	7	241
D	STS047	11.20	1.50	6.97	0.51	-10	0.25	1.49	41	15.50	1.74	7	264
D	STS048	7.40	1.60	6.03	0.70	-10	0.34	1.75	61	19.60	2.11	6	260
D	STS049	13.90	1.30	10.50	0.63	-10	0.34	3.10	159	20.10	2.37	26	190
D	STS050	14.00	1.20	7.17	0.56	-10	0.30	2.25	196	19.40	1.91	20	155
D	STS051	9.30	1.20	5.41	0.44	-10	0.23	1.27	70	12.90	1.56	9	229
D	STS052	8.40	0.30	1.15	0.28	-10	0.08	0.30	244	4.20	0.53	10	130
D	STS053	10.50	3.40	4.69	0.90	-10	0.25	1.21	104	13.80	1.71	45	232
D	STS054	11.30	3.80	4.28	0.86	-10	0.22	1.23	61	13.00	1.60	19	229
D	STS055	21.70	0.30	0.84	0.19	-10	0.06	0.29	47	3.20	0.43	21	86
D	STS056	8.00	0.60	0.96	0.25	-10	0.08	0.46	7	5.20	0.66	10	137
D	STS057	7.30	0.70	1.02	0.26	-10	0.10	0.46	6	6.40	0.76	11	145
D	STS058	8.90	0.70	1.98	0.26	-10	0.11	0.66	13	6.60	0.82	5	160
D	STS059	6.40	0.60	1.44	0.22	-10	0.10	0.57	9	6.20	0.82	6	116
D	STS060	9.80	0.80	2.87	0.28	-10	0.13	0.95	27	8.20	0.90	6	128
D	STS061	11.50	1.00	5.18	0.31	-10	0.21	1.41	74	11.40	1.38	6	159
D	STS062	8.70	0.60	2.65	0.22	-10	0.12	0.83	40	7.40	0.83	5	140
D	STS063	18.60	1.80	8.16	1.28	-10	0.34	1.70	129	20.40	2.07	17	195
D	STS064	20.60	2.10	7.67	1.43	-10	0.39	1.87	177	22.00	2.57	24	282
D	STS065	21.20	1.20	2.64	1.80	-10	0.33	0.80	589	15.60	2.29	69	195
D	STS066	23.80	2.20	8.87	2.02	-10	0.61	2.35	265	38.30	3.83	21	295
D	STS067	17.20	2.00	9.26	1.65	-10	0.46	2.46	223	27.30	3.24	49	270
D	STS068	15.50	1.90	9.35	1.65	-10	0.61	2.40	287	34.60	4.07	35	277
D	STS069	24.40	1.80	9.25	1.49	-10	0.57	2.23	268	31.60	3.66	61	259
D	STS070	21.30	2.10	10.25	1.77	-10	0.58	2.59	263	33.00	3.87	40	287
D	STS071	12.90	0.90	5.16	0.51	-10	0.30	1.31	266	18.00	2.10	16	212
D	STS072	20.90	0.80	4.72	0.28	-10	0.18	1.19	78	10.60	1.20	8	166
D	STS073	15.60	0.90	4.05	0.33	-10	0.19	1.09	56	12.00	1.29	7	200
D	STS074	12.60	1.30	4.52	0.40	-10	0.22	1.34	63	13.80	1.52	6	222
D	STS075	11.30	0.20	0.60	0.16	-10	0.03	0.17	14	2.30	0.31	8	77
D	STS076	12.30	0.40	0.83	0.19	-10	0.06	0.31	13	3.70	0.45	12	87
D	STS077	13.30	0.70	3.74	0.21	-10	0.24	1.33	16	16.20	1.61	8	327
D	STS078	30.70	1.10	8.36	0.34	-10	0.39	2.03	49	26.00	2.77	8	294
D	STS079	13.60	1.20	9.71	0.52	-10	0.28	1.92	116	16.20	1.87	33	172
D	STS080	4.70	0.70	2.76	0.21	-10	0.15	0.88	14	8.20	0.92	6	240
D	STS081	9.40	1.00	3.62	0.37	-10	0.19	1.16	30	11.20	1.38	6	250

H1000	Sample_id	Sr	Ta	Th	Ti	Tl	Tm	U	V	Y	Yb	Zn	Zr
H1001	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
D	STS082	15.20	0.90	3.05	0.33	-10	0.15	0.93	22	8.50	0.95	9	174
D	STS083	27.20	0.20	0.54	0.11	-10	0.05	0.21	18	2.30	0.34	7	76
D	STS084	4.90	0.80	2.79	0.39	-10	0.13	0.96	20	8.20	0.96	11	194
D	STS085	23.30	1.10	7.87	0.29	-10	0.44	2.26	38	26.30	2.80	7	357
D	STS086	28.80	1.40	9.54	0.34	-10	0.55	2.74	41	33.80	3.65	8	435
D	STS087	10.50	1.20	6.12	0.29	-10	0.36	1.79	28	22.20	2.30	8	293
D	STS088	30.80	1.80	13.10	0.38	-10	0.51	3.21	116	28.90	3.53	7	278
D	STS089	9.50	1.10	3.12	0.27	-10	0.23	1.05	13	16.10	1.55	9	147
D	STS090	7.40	1.00	2.69	0.33	-10	0.16	0.92	16	10.00	1.18	7	206
D	STS091	9.00	0.70	2.45	0.25	-10	0.13	0.76	17	8.60	0.86	5	160
D	STS092	6.60	0.50	1.09	0.20	-10	0.16	0.70	15	11.20	1.05	5	95
D	STS093	18.10	1.20	5.38	0.31	-10	0.42	1.94	13	25.30	2.83	6	454
D	STS094	17.60	1.50	4.71	0.36	-10	0.30	1.54	24	19.80	2.04	8	287
D	STS095	6.90	1.40	3.21	0.40	-10	0.19	0.98	17	11.20	1.44	20	294
D	STS096	17.20	1.60	8.65	1.53	-10	0.45	2.38	247	26.90	3.09	70	251
D	STS097	13.20	1.70	10.35	1.47	-10	0.44	2.61	277	24.70	2.90	33	249
D	STS098	17.10	1.70	8.13	1.39	-10	0.37	2.25	218	19.50	2.63	58	226
D	STS099	25.80	1.90	8.85	1.50	-10	0.39	2.50	225	20.70	2.63	32	273
D	STS100	22.00	1.30	4.89	0.57	-10	0.22	1.30	96	13.40	1.56	17	179
D	STS101	11.70	1.90	12.40	0.67	-10	0.50	1.24	105	24.90	3.77	21	278
D	STS102	10.00	1.10	5.23	0.53	-10	0.22	2.07	190	11.40	1.59	32	151
D	STS103	18.90	0.80	6.00	0.41	-10	0.18	1.92	109	10.50	1.43	19	120
D	STS104	12.80	1.60	2.65	0.40	-10	0.11	0.65	56	6.40	0.83	15	147
D	STS105	21.30	1.20	7.59	0.30	-10	0.45	2.24	33	28.20	3.23	8	397
D	STS106	18.30	1.60	6.80	0.37	-10	0.34	1.89	23	21.20	2.70	6	397
D	STS107	14.00	1.30	2.13	0.36	-10	0.12	0.63	12	6.70	0.88	9	143
D	STS108	14.70	2.40	18.95	0.60	-10	0.42	4.43	169	25.30	2.86	12	358
D	STS109	17.80	1.40	5.67	0.39	-10	0.21	1.31	52	13.10	1.43	6	186
D	STS110	11.10	1.00	4.17	0.36	-10	0.20	1.10	82	10.90	1.39	13	183
D	STS111	29.90	1.50	6.45	0.94	-10	0.26	2.05	237	12.90	1.93	19	194
D	STS112	12.00	1.70	8.97	1.28	-10	0.35	2.14	348	16.70	2.67	37	256
D	STS113	13.10	1.70	8.59	1.41	-10	0.44	2.16	201	24.70	3.02	49	240
D	STS114	13.50	2.10	6.85	1.68	-10	0.46	2.32	229	24.50	3.33	28	280
D	STS115	10.90	2.30	7.41	1.75	-10	0.49	2.29	248	27.10	3.54	34	293
D	STS116	15.50	1.80	7.87	1.43	-10	0.48	2.14	194	26.90	3.14	33	241
D	STS117	42.10	1.90	7.81	1.59	-10	0.58	2.02	313	36.00	3.99	80	301
D	STS118	110.00	0.90	2.53	0.88	-10	0.24	0.85	232	13.80	1.71	33	172
D	STS119	8.90	0.70	3.33	0.16	-10	0.20	1.16	16	12.70	1.60	7	292
D	STS120	7.70	0.60	2.46	0.16	-10	0.16	0.81	13	9.50	1.18	5	178
D	STS121	11.40	0.90	3.76	0.22	-10	0.23	1.16	19	13.70	1.59	7	264
D	STS122	17.10	1.30	5.51	0.34	-10	0.37	1.77	18	22.90	2.77	7	358
D	STS123	12.50	1.00	2.46	0.52	-10	0.13	0.82	32	8.50	1.06	8	150
D	STS124	17.40	1.90	10.35	1.30	-10	0.45	2.47	202	25.00	2.94	53	235
D	STS125	15.90	1.90	11.20	1.29	-10	0.47	2.73	213	26.50	3.21	55	243
D	STS126	15.30	1.40	7.19	0.42	-10	0.35	2.07	49	22.70	2.56	5	250
D	STS127	16.30	1.90	7.00	1.41	-10	0.38	2.06	244	20.60	2.75	80	247
D	STS128	12.60	2.00	6.47	1.67	-10	0.55	2.80	354	31.30	3.48	104	268
D	STS129	9.30	2.30	5.85	1.80	-10	0.27	1.71	393	11.20	1.85	85	275
D	STS130	10.80	1.90	6.00	1.81	-10	0.25	1.61	285	12.00	1.95	74	249
D	STS131	10.70	2.10	8.37	1.68	-10	0.35	2.10	298	15.30	2.44	56	285
D	STS132	8.60	2.10	6.83	2.11	-10	0.21	2.40	473	10.10	1.54	72	298
D	STS133	10.30	2.00	6.33	1.79	-10	0.38	1.87	351	17.20	2.53	45	302
D	STS134	19.80	1.80	5.90	1.73	-10	0.21	1.79	327	9.70	1.48	38	262
D	STS135	23.90	1.90	5.70	2.02	-10	0.23	1.74	405	11.60	1.69	47	271
D	STS136	7.00	2.20	6.10	2.05	-10	0.19	2.48	554	9.20	1.39	64	308
D	STS137	10.00	2.00	6.66	1.91	-10	0.28	1.84	377	13.30	2.05	62	279
D	STS138	7.40	1.70	7.98	1.41	-10	0.34	2.33	287	17.40	2.33	63	255
D	STS139	6.20	1.80	5.52	1.71	-10	0.25	1.83	345	12.30	1.97	83	247
D	STS140	10.20	2.10	6.97	1.71	-10	0.35	2.08	385	16.00	2.42	42	278
D	STS141	9.30	2.30	6.88	1.89	-10	0.27	2.03	481	12.30	2.01	62	310
D	STS142	20.30	2.10	7.40	1.67	-10	0.41	2.11	326	23.00	2.90	86	281

H1000	Sample_id	Sr	Ta	Th	Ti	Tl	Tm	U	V	Y	Yb	Zn	Zr
H1001	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
D	STS143	13.00	1.30	12.70	0.36	-10	0.51	2.98	104	30.80	3.24	8	253
D	STS144	14.40	2.20	7.52	1.72	-10	0.39	2.47	141	24.70	2.85	24	334
D	STS145	8.90	1.80	6.40	1.65	-10	0.47	1.89	213	28.90	3.27	53	253
D	STS146	10.20	1.90	7.73	1.55	-10	0.47	2.14	208	29.30	3.18	62	251
D	STS147	10.00	2.00	6.71	1.63	-10	0.45	2.39	230	22.20	2.96	39	276
D	STS148	14.80	1.80	7.64	1.65	-10	0.56	2.35	250	35.80	3.65	57	276
D	STS149	10.60	1.70	7.91	1.42	-10	0.58	2.23	359	34.90	3.93	48	289
D	STS150	14.50	1.40	8.48	0.76	-10	0.30	1.73	103	21.30	2.04	34	182
D	STS151	15.30	1.60	11.75	0.71	-10	0.36	4.24	185	26.50	2.43	10	190
D	STS152	17.60	1.50	11.95	0.64	-10	0.41	4.29	197	29.30	2.72	11	187
D	STS153	15.50	1.10	7.98	0.49	-10	0.24	2.08	135	16.70	1.69	12	148
D	STS154	13.70	1.40	9.47	0.79	-10	0.29	2.41	155	18.30	1.93	26	194
D	STS155	7.40	1.10	5.70	0.41	-10	0.19	1.20	132	10.30	1.31	33	188
D	STS156	14.90	1.10	6.66	0.48	-10	0.25	1.40	95	16.80	1.56	15	150
D	STS157	17.80	1.40	6.89	0.56	-10	0.28	1.09	103	18.40	1.89	18	203
D	STS158	5.80	0.70	2.66	0.31	-10	0.13	0.81	110	9.00	0.87	26	104
D	STS159	11.10	1.30	3.83	0.41	-10	0.19	1.29	31	12.70	1.27	7	195
D	STS160	12.50	1.60	7.96	0.60	-10	0.31	1.92	70	21.50	2.13	7	243
D	STS161	24.60	1.40	5.76	0.92	-10	0.26	1.73	217	17.60	1.71	23	191
D	STS162	15.40	1.10	10.35	0.46	-10	0.29	2.32	154	17.80	2.01	29	164
D	STS163	11.40	0.70	7.94	0.28	-10	0.26	2.68	198	15.90	1.88	79	100
D	STS164	31.70	1.00	14.35	0.34	-10	0.29	1.91	75	18.60	1.84	28	134
D	STS165	35.60	1.00	6.79	0.36	-10	0.25	1.28	47	16.80	1.71	20	168
D	STS166	28.00	2.10	8.28	1.04	-10	0.33	1.60	111	22.00	1.97	19	190
D	STS167	10.60	1.00	8.01	0.44	-10	0.22	0.96	208	11.10	1.41	34	123
D	STS168	6.50	0.80	5.00	0.33	-10	0.27	2.05	186	13.40	1.73	46	105
D	STS169	12.10	1.20	8.69	0.54	-10	0.31	3.41	164	19.50	2.07	17	144
D	STS170	14.40	1.10	6.11	0.35	-10	0.31	2.00	83	18.60	2.10	12	279
D	STS171	12.60	1.20	6.16	0.44	-10	0.22	1.46	68	14.00	1.64	10	210
D	STS172	12.90	1.10	3.56	0.39	-10	0.16	1.00	45	10.30	1.24	9	175
D	STS173	18.20	1.80	2.55	0.65	-10	0.20	0.87	24	11.10	1.34	11	218
D	STS174	21.00	1.60	10.20	0.42	-10	0.46	2.57	76	29.70	3.41	8	314
D	STS175	20.30	1.50	9.69	0.39	-10	0.43	2.36	74	26.70	3.13	8	292
D	STS176	10.40	1.60	6.00	0.38	-10	0.45	2.13	17	27.00	2.96	4	458
D	STS177	10.90	1.20	4.45	0.26	-10	0.33	1.66	19	20.80	2.23	3	359
D	STS178	51.70	0.80	4.02	0.21	-10	0.25	1.27	17	17.00	1.96	11	224
D	STS179	22.10	1.20	5.85	0.28	-10	0.32	1.63	25	22.10	2.39	6	344
D	STS180	27.60	1.40	6.24	0.29	-10	0.41	1.87	30	25.40	2.68	6	322
D	STS181	59.00	1.20	9.09	0.24	-10	0.36	2.04	43	20.80	2.60	14	241
D	STS182	19.40	1.00	7.00	0.29	-10	0.32	2.06	41	21.50	2.48	7	239
D	STS183	11.60	3.60	7.78	0.39	-10	0.40	2.78	28	25.80	3.22	6	432
D	STS184	11.40	2.00	7.54	0.38	-10	0.40	2.58	29	27.00	3.23	5	475
D	STS185	10.80	2.70	8.52	0.39	-10	0.38	2.45	48	24.50	2.87	10	304
D	STS186	42.20	6.60	20.20	0.32	-10	0.91	4.63	58	61.00	6.05	129	519
D	STS187	14.70	2.80	16.00	0.34	-10	0.57	4.84	80	33.50	4.07	24	337
D	STS188	12.80	1.60	10.05	0.38	-10	0.47	2.99	56	29.20	3.47	8	332
D	STS189	18.20	1.70	12.15	0.42	-10	0.52	3.10	85	32.20	3.98	10	314
D	STS190	18.50	1.60	7.63	0.35	-10	0.45	2.03	29	29.70	3.04	8	320
D	STS191	22.40	2.10	6.28	0.63	-10	0.32	1.21	129	17.10	2.18	18	208
D	STS192	16.40	0.30	0.91	0.18	-10	0.05	0.21	27	2.40	0.41	17	73
D	STS193	21.50	3.00	4.40	0.74	-10	0.24	1.40	34	14.80	1.70	25	241
D	STS194	10.30	2.20	3.77	0.68	-10	0.23	1.52	36	13.60	1.64	8	232
D	STS195	9.60	4.90	5.28	1.06	-10	0.27	1.37	55	16.50	1.94	40	295
D	STS196	8.20	2.30	4.42	0.58	-10	0.25	1.57	25	14.60	1.77	22	221
D	STS197	8.30	3.70	4.90	0.82	-10	0.30	1.69	55	15.60	1.82	39	255
D	STS198	13.00	2.20	5.88	0.57	-10	0.33	2.23	62	21.80	2.26	12	220
D	STS199	9.60	2.10	5.00	0.56	-10	0.24	2.35	66	14.80	1.68	18	200
D	STS200	14.30	1.20	4.48	0.28	-10	0.36	1.85	15	22.70	2.32	4	378
D	STS201	14.20	1.20	4.44	0.27	-10	0.36	1.86	14	22.20	2.51	3	381
D	STS202	19.70	1.10	6.15	0.27	-10	0.40	2.00	30	22.60	2.55	7	320
D	STS203	11.00	1.30	4.73	0.43	-10	0.24	1.32	35	15.00	1.57	7	179

