

## SIGNIFICANT NdPr RARE EARTHS TARGET AT ELPHINSTONE CREEK, RAVENSWOOD WEST

Sunshine Gold Limited (ASX:SHN, "Sunshine Gold", "the Company") is pleased to provide an update on recent rare earth element ("REE") soil sampling and its integration with historic stream sediment sampling at the Elphinstone Creek REE-Au prospect, Ravenswood West (Sunshine Gold 100%).

### HIGHLIGHTS

- Elevated REE from recent soil sampling at Elphinstone Creek including 11 results >1,000ppm total rare earth oxides ("TREO") with a peak value of 1,327ppm. Discrete zones of REE enrichment are located near the pluton margins of the Barrabas Adamellite – a regionally "unique" alkali intrusion and the likely source of the REE.
- The soil sampling results confirm 15 historic stream sediment samples with strong Neodymium and Praseodymium oxides ("NdPr") levels. The historic stream sampling also returned high-grade gold results. Best samples include:
  - **2.28% TREO including 0.37% Nd<sub>2</sub>O<sub>3</sub>, 0.11 % Pr<sub>6</sub>O<sub>11</sub>** (SRS10163)
  - **1.63% TREO including 0.26 % Nd<sub>2</sub>O<sub>3</sub>, 0.08 % Pr<sub>6</sub>O<sub>11</sub>** (SRS10149)
  - **1.56% TREO including 0.25 % Nd<sub>2</sub>O<sub>3</sub>, 0.08 % Pr<sub>6</sub>O<sub>11</sub>** (SRS10160)
  - **1.12% TREO including 0.19 % Nd<sub>2</sub>O<sub>3</sub>, 0.05 % Pr<sub>6</sub>O<sub>11</sub>** (SRS10164)
  - **0.94% TREO including 0.15 % Nd<sub>2</sub>O<sub>3</sub>, 0.05 % Pr<sub>6</sub>O<sub>11</sub>** (SRS13008)
  - **6.28 g/t Au & 0.83% TREO including 0.12% Nd<sub>2</sub>O<sub>3</sub>, 0.05 % Pr<sub>6</sub>O<sub>11</sub>** (SRS13012)
  - **1.11 g/t Au & 0.29% TREO including 0.04% Nd<sub>2</sub>O<sub>3</sub>, 0.01 % Pr<sub>6</sub>O<sub>11</sub>** (SRS10165)
- Historic rock chip sample taken 1.8km west of the Barrabas Adamellite contact returned **49.07% Cu, 0.24 g/t Au, 1,793 g/t Ag and 0.21% Mo (BKR-060)**. No follow up work has occurred in the vicinity of the rock chip sample.
- Integrated soil sampling and magnetic interpretation confirm that the stratigraphic and structural architecture of the greater Elphinstone area is analogous to that found at the nearby Ravenswood Gold Mine.



**Figure 1. Garnet-bearing pegmatite float from tributary that contained 6.28 g/t Au & 0.83% TREO from stream sediment sampling (SRS13012).**

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#### Capital:

Ordinary shares: 467,822,730  
Unquoted shares: 93,400,000 (24m Esc)  
Deferred shares: 100,000,000 (24m Esc)  
Unlisted options: 65,000,000 (24m Esc)  
Unlisted plan options: 2,700,000  
Perf Rights: 17,000,000 (24m Esc)

Sunshine Gold’s Managing Director, Damien Keys commented: “Stream sediment sampling in 1995 and 2018 provided the first indications of REE potential associated with a regionally “unique” alkali intrusion – the ~27km<sup>2</sup> Barrabas Adamellite. This sampling produced exceptional REE and gold results from Elphinstone Creek and its tributaries. Importantly, the REE are high in Neodymium and Praseodymium which constitute an estimated 90% of global REE value. Our recent soil sampling campaign has confirmed that the Barrabas Adamellite is a REE-enriched intrusion.

Furthermore, diamond drilling at the Bank Breccia prospect was never assayed for REE despite being hosted in the Barrabas Adamellite and containing **22.8m @ 0.6% Cu (SRD002)**. This core is now being prepared for REE assaying.

This is part of a 15km long corridor and we are genuinely excited about the prospectivity, both REE and Au-Cu, of the Barrabas Adamellite and immediate surrounds. We have only sampled 14% of the Barrabas Adamellite and will continue to cover the remainder of the area.”

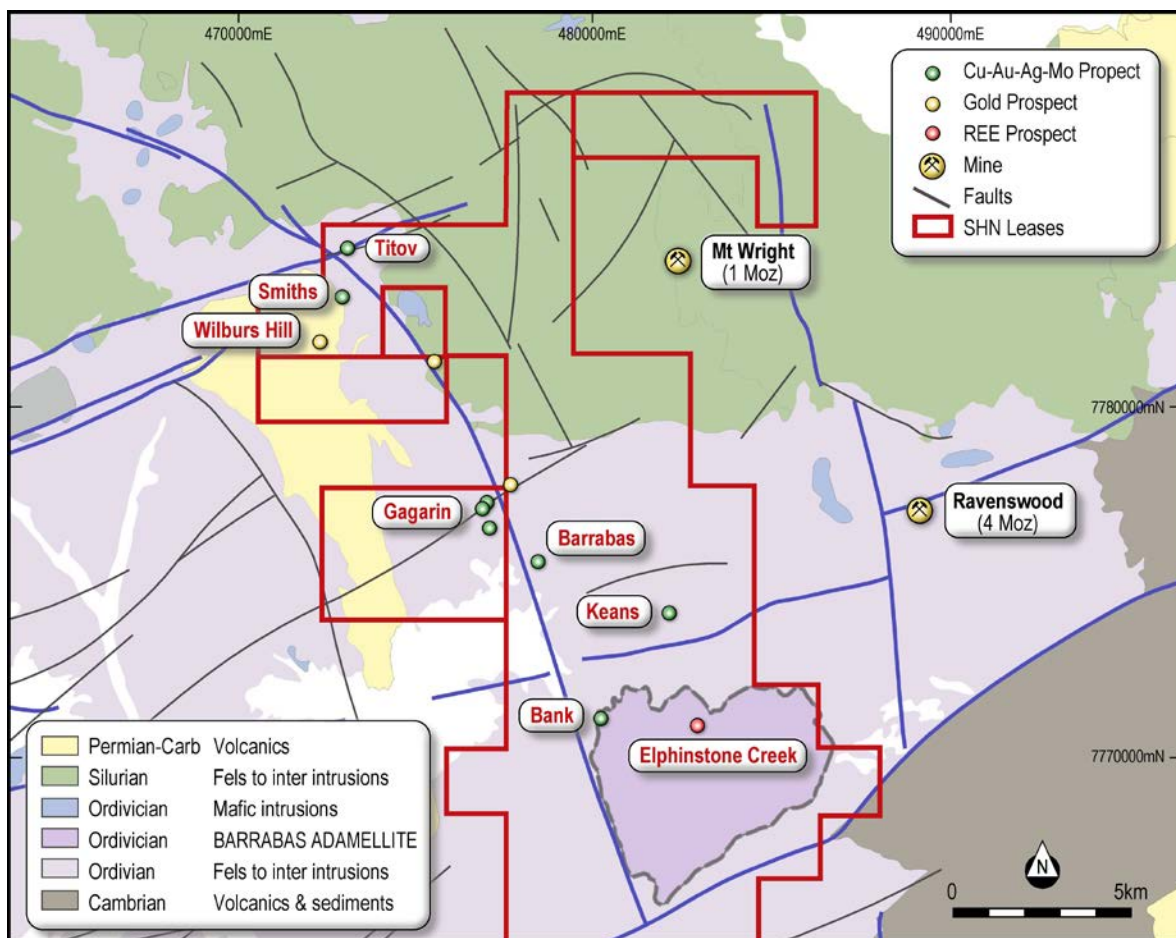


Figure 2. Geology of the 15km prospective Cu-Au-Ag-Mo corridor and the REE enriched Barrabas Adamellite and surrounds.

### BARRABAS ADAMELLITE

The Elphinstone Creek and Bank Breccia targets are hosted in the Barrabas Adamellite, a quartz monzonite, comprising medium to coarse-grained plagioclase and alkali feldspar (~60%) with lesser quartz (~35%) and biotite (~5%). The Barrabas Adamellite is distinguishable as having broad, moderate magnetics. Notably, the Bank Breccia and Elphinstone Creek prospects sit on the northern margin of this unit in contact with a magnetic high feature, likely relating to dioritic to gabbroic intrusives seen near Ravenswood. This body is also highlighted in the radiometrics as having a strong potassium signature (Figure 3).

The prospective Barrabas Adamellite is large scale and occupies ~27km<sup>2</sup>. To date soil sampling covers only 3.7km<sup>2</sup> (14%) of the area.

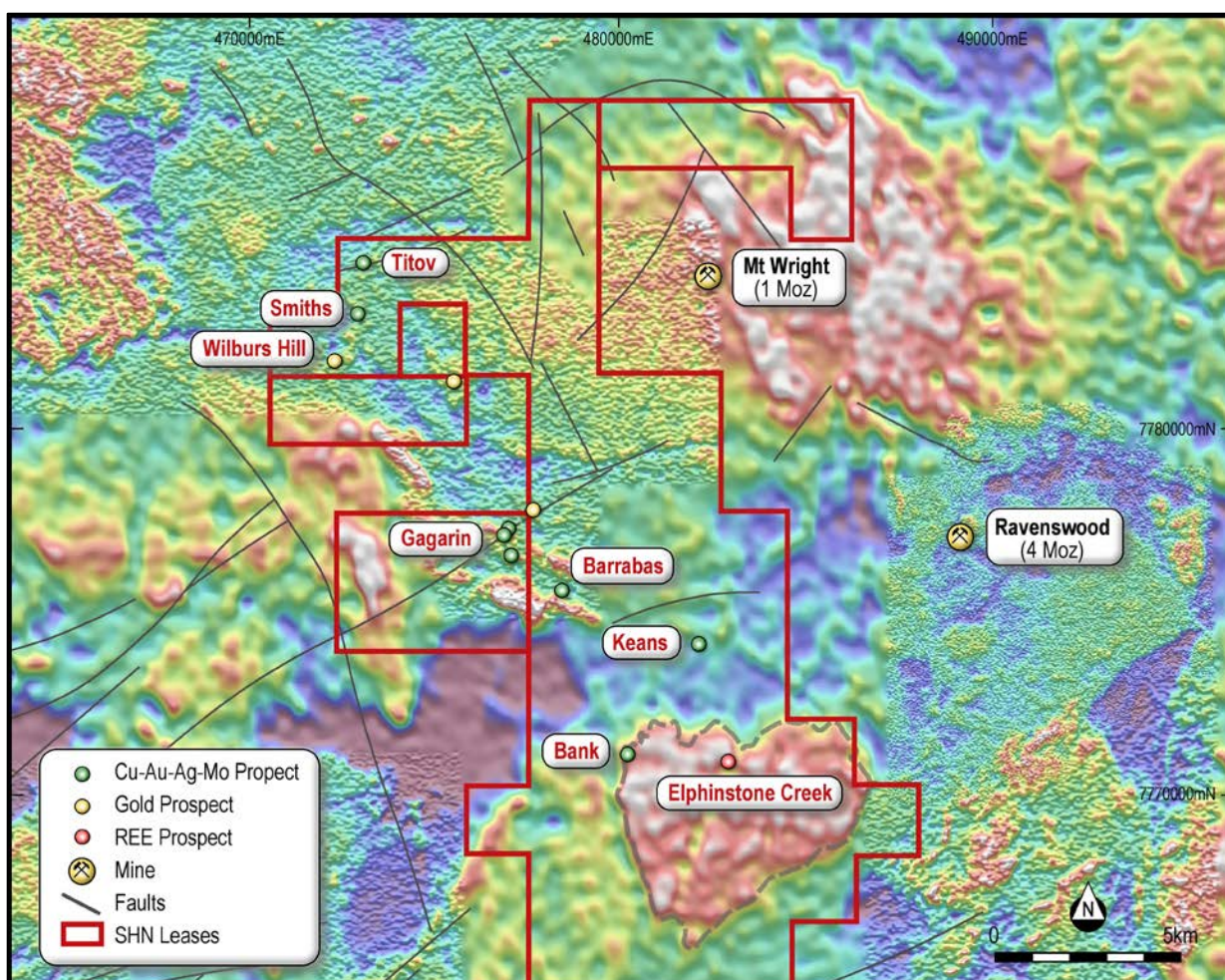


Figure 3. The Barrabas Adamellite (dashed) is a distinct feature in the potassium radiometrics.

#### ELPHINSTONE CREEK REE-AU AND BANK BRECCIA CU-AU-AG-MO

Elphinstone Creek is a target generated from elevated REE and Au in stream sediment sampling. The anomalous samples were collected from tributaries to Elphinstone Creek (Figure 4) where exploration in 2018 returned significant stream sediment assay results including:

- **6.28 g/t Au & 0.83% TREO including 0.12% Nd<sub>2</sub>O<sub>3</sub>, 0.05 % Pr<sub>6</sub>O<sub>11</sub>** (SRS13012)
- **1.11 g/t Au & 0.29% TREO including 0.04% Nd<sub>2</sub>O<sub>3</sub>, 0.01 % Pr<sub>6</sub>O<sub>11</sub>** (SRS10165)
- **2.28% TREO including 0.37% Nd<sub>2</sub>O<sub>3</sub>, 0.11 % Pr<sub>6</sub>O<sub>11</sub>** (SRS10163)
- **1.12% TREO including 0.19 % Nd<sub>2</sub>O<sub>3</sub>, 0.05 % Pr<sub>6</sub>O<sub>11</sub>** (SRS10164)
- **0.94% TREO including 0.15 % Nd<sub>2</sub>O<sub>3</sub>, 0.05 % Pr<sub>6</sub>O<sub>11</sub>** (SRS13008)

Stream sampling was also conducted from tributaries to the Barrabas Creek, which runs along the western margin of the Barrabas Adamellite (Figure 4). The stream sediments from the western margin of the Barrabas Adamellite contained results including:

- **1.63% TREO including 0.26 % Nd<sub>2</sub>O<sub>3</sub>, 0.08 % Pr<sub>6</sub>O<sub>11</sub>** (SRS10149)
- **1.56% TREO including 0.25 % Nd<sub>2</sub>O<sub>3</sub>, 0.08 % Pr<sub>6</sub>O<sub>11</sub>** (SRS10160)
- **0.83% TREO including 0.12 % Nd<sub>2</sub>O<sub>3</sub>, 0.05 % Pr<sub>6</sub>O<sub>11</sub>** (SRS10158)
- **0.81% TREO including 0.13 % Nd<sub>2</sub>O<sub>3</sub>, 0.04 % Pr<sub>6</sub>O<sub>11</sub>** (SRS10150)

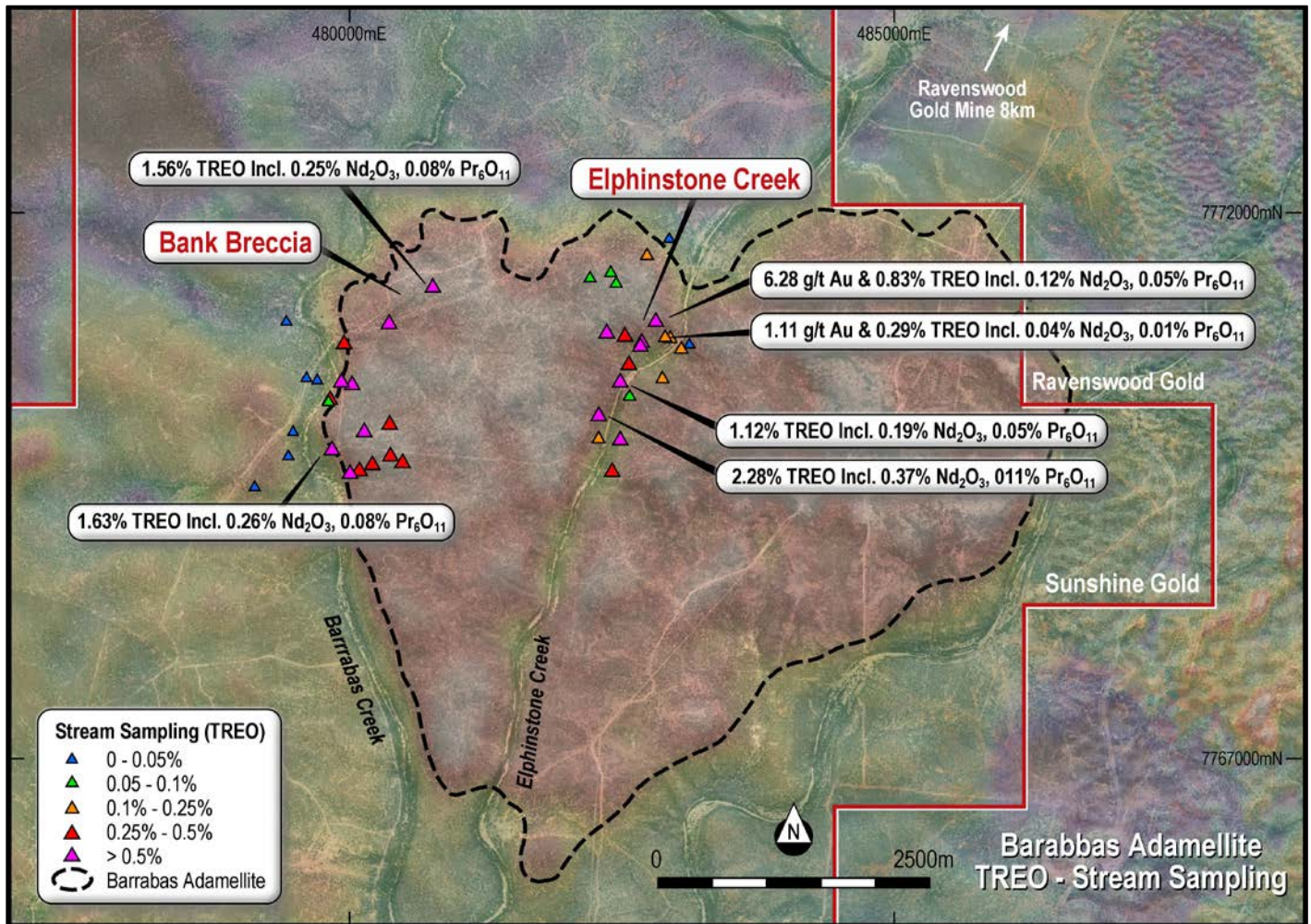
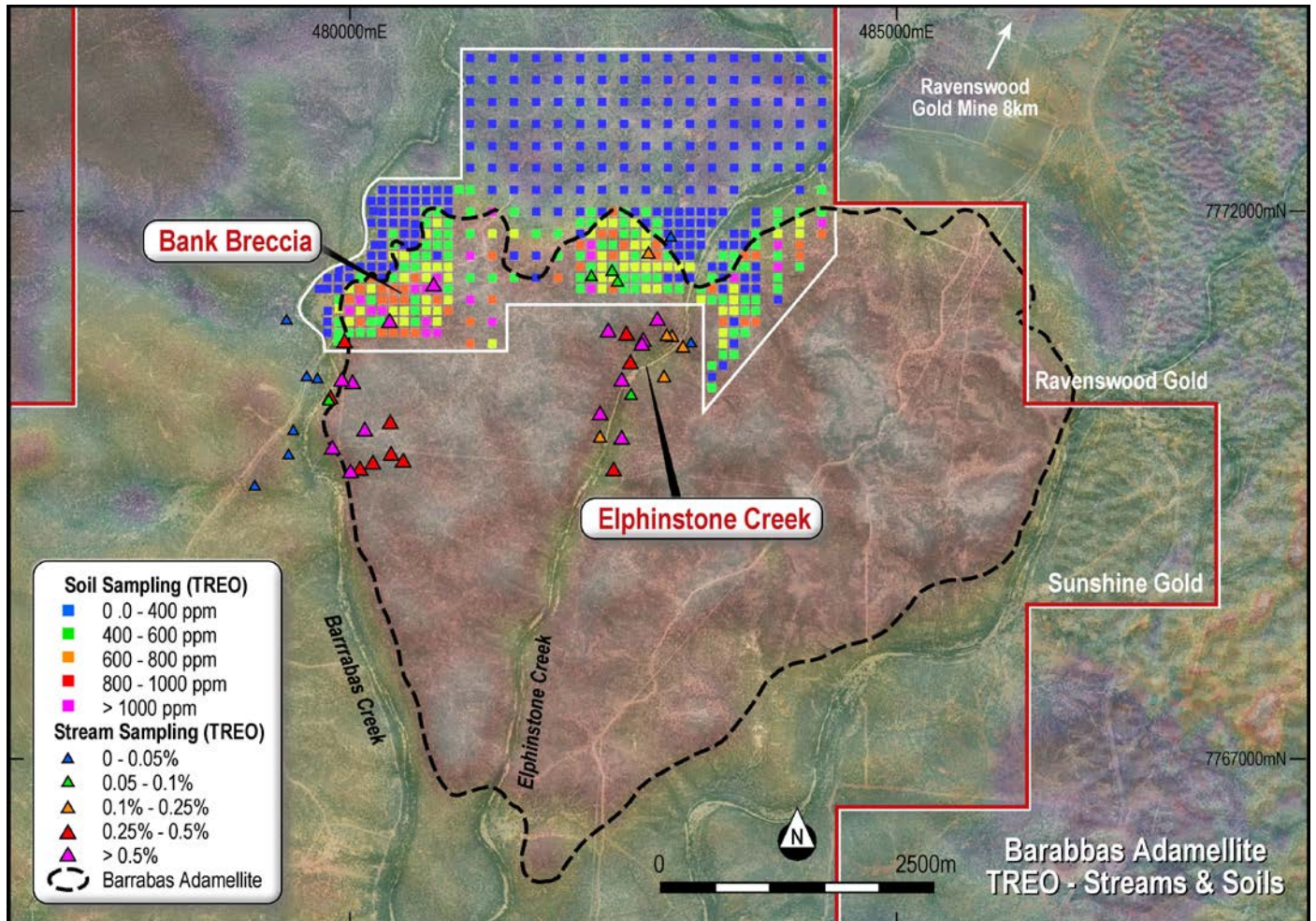


Figure 4. Stream sediment sampling locations at the Barrabas Adamellite over potassium radiometrics and airphoto.

Sunshine Gold collected 309 soil samples across the northern margin of the Barrabas Adamellite (Figure 4). The sampling confirmed that the Barrabas Adamellite is enriched in REE, with all Barrabas Adamellite soil samples grading >400 ppm TREO. A coherent 800m long, ENE striking REE soil anomaly grading (>900 ppm TREO) is observed in the vicinity of the Bank Breccia. The anomaly is supported by elevated stream sediment samples grading up to 1.56% TREO. The anomaly is located immediately east of the historic Bank Breccia drilling.

Further REE soil anomalism occurs close to the adamellite margins on either side of Elphinstone Creek. A peak value of 1,091ppm TREO (Sample 256157) was recorded immediately east of Elphinstone Creek.

The soil survey will be extended to the south during 2022 to better refine targets for preliminary drill testing.



**Figure 5. TREO distribution in soils. Only 14% of the Barrabas Adamellite has been sampled to date with the remaining 86% to be sampled in 2022.**

The Bank Breccia prospect is located within the REE enriched Barrabas Adamellite within 300m of the Jessops Creek tonalite contact (host of the Ravenswood Gold Mine). Previous drill holes at the Bank Breccia included **22.8m @ 0.6% Cu** (including intervals of **12.4m at 0.95% Cu, 120ppm Mo and 8.0 g/t Ag**, and **6.05m at 1.31% Cu, 100ppm Mo and 12.4 g/t Ag**). These holes were not assayed for REE. The drill core will be assayed for REE to determine which adamellite phases are likely to be enriched (e.g. coarse-grained pegmatite, fine-grained aplite or greisen).



**Figure 6. Clast supported breccia with chalcopyrite-pyrite-tennantite-tetrahedrite from Bank Breccia (SRD002,129m)**

### ANALGOUS TO RAVENSWOOD GOLD MINERALISATION

The soil sampling geochemical data was analysed for lithological change and then integrated with a magnetic interpretation to refine the regional stratigraphic and structural model. The Ravenswood Gold Mine is located 8km to the east of the soil survey and is hosted in the Jessops Creek Tonalite. Mafic/intermediate intrusive phases, such as gabbros and diorites, are common in the vicinity of the Ravenswood Gold Mine and thought to be important in the localisation of the orebodies. The litho geochemical analysis shows the Jessops Creek Tonalite to be on the northern flank of the Barrabas Adamellite.

Furthermore, high magnetic zones coincident with high chromium soil data indicate the presence of the mafic/intermediate intrusive phases within the Jessops Creek Tonalite in the recently sampled area. Gold in soil anomalism is present both on the Barrabas Adamellite contact and within the Jessops Creek Tonalite (Figure 7).

Accordingly, the area is considered prospective for Ravenswood-style intrusion-related gold mineralisation. Further reconnaissance mapping will confirm targets for drill testing in 2022.

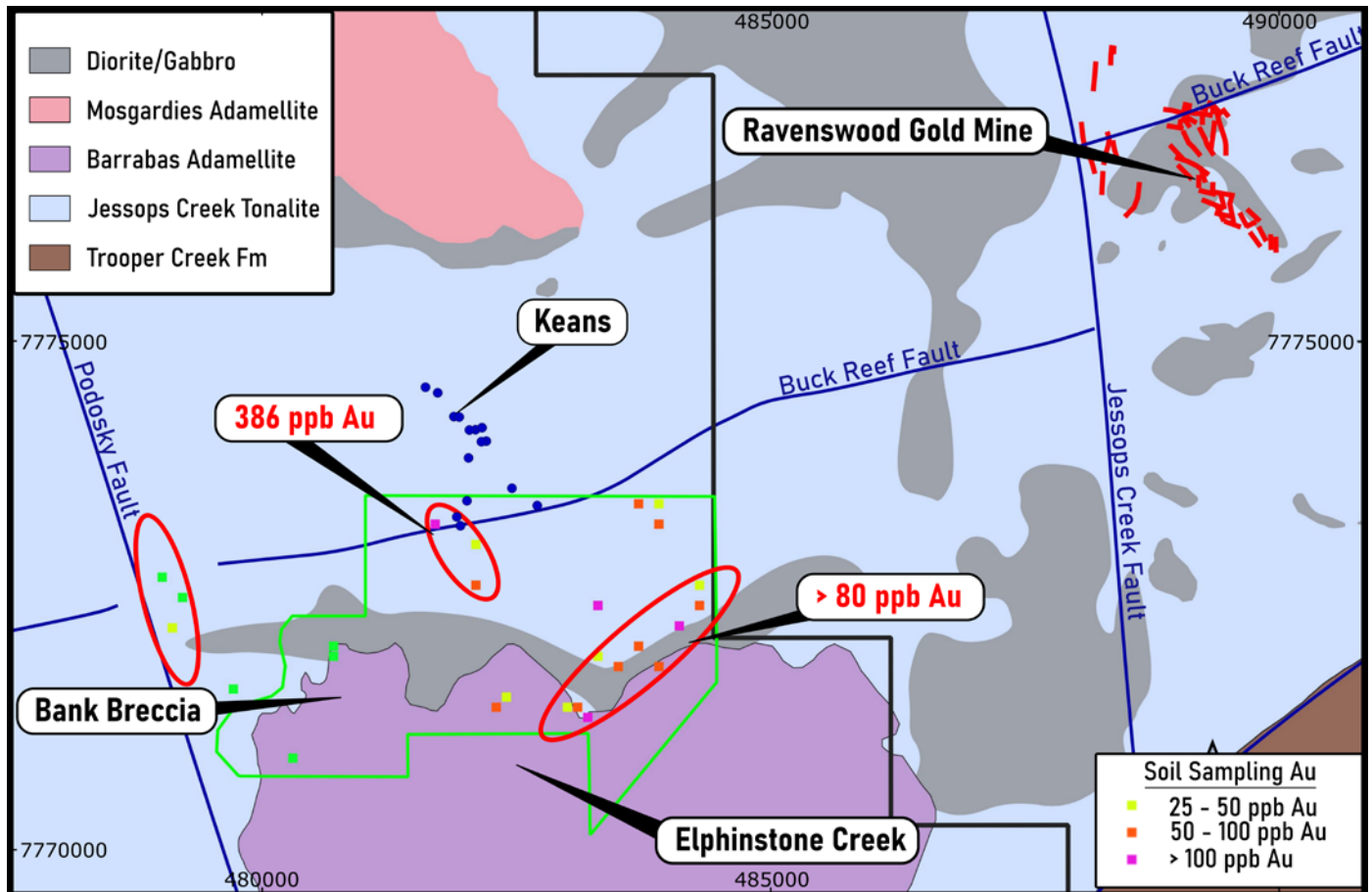


Figure 7. Geological interpretation of the Elphinstone to Ravenswood zone.

### NEXT STEPS

Further soil sampling and mapping is planned for the Barrabas Adamellite. Sampling is scheduled to commence in March 2022 and will be ongoing through to June 2022. Niche sampling of select mapped outcrops will focus on determining which adamellite phases are likely to be economically enriched (e.g. coarse-grained pegmatite, fine-grained aplite or greisen). The Bank Breccia core will be relogged and selectively sampled for REE mineralisation.

## PLANNED ACTIVITIES

- January 2022: JORC Resource RC drilling at Triumph Au Project.
- January -February 2022: Results from JORC Resource RC drilling at Triumph Au Project.
- 10-11 February 2022: Presentation at the Australian Gold Conference, Sydney.
- 15-17 February 2022: Presentation at the RIU Explorers Conference, Fremantle.
- February – March 2022: Historic Titov diamond drill core relogging.
- 15 March 2022: Financial Statements for half year ended 31 December 2021.
- March 2022: Triumph maiden JORC Resource estimate.
- March 2022: Titov diamond drill hole result.
- April 2022: IP Survey Wilburs Hill – Smiths, Ravenswood West.
- April 2022: Shallow RC drilling, Titov East, Ravenswood West.

## ABOUT RARE EARTH ELEMENTS

The unique chemical and physical properties of REEs have positioned them as a critical material across a number of rapidly evolving markets and industrial applications.

NdPr constitutes ~90% of global REE value.

NdPr are critical elements in the manufacture of permanent magnets used for motors, turbines and in mobile phones. Permanent magnet production accounts for ~90% of the total value of TREQ consumption. Permanent magnets and catalysts are the largest, rare earth demand drivers.

Key global megatrends are driving strong and diversified demand for NdPr:

- Automation: accelerating technological progress
- Low carbon transition: environmental decarbonisation
- Sustainable resource security: increasing scarcity of and global competition for resources
- Supply chain security: against backdrop of heightened national protectionism

There are currently no acceptable substitutes for NdPr in permanent magnets for electric vehicles (EVs) and wind turbines.

**ENDS**

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This ASX announcement is authorised for market release by the Board of Sunshine Gold.

*Competent Person's Statement*

*The information in this report that relates to Exploration Results is based on, and fairly represents, information compiled by Dr Damien Keys, a Competent Person who is a Member of the Australian Institute of Geoscientists (AIG). Dr Keys has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration, and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the JORC Code. Dr Keys consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*



**TABLE 1. AU AND REE SOIL SAMPLING RESULTS**

East	North	Sample ID	Au ppm	CeO <sub>2</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	La <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Pr <sub>6</sub> O <sub>11</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>4</sub> O <sub>7</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Sc <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO ppm
481100	7773400	254813	0	83.95	1.24	44.41	32.04	9.35	5.13	3.58	2.21	4.37	0.70	0.36	0.60	0.33	2.32	19.33	21.74	231.66
481100	7773200	254814	0	64.06	1.07	30.59	24.80	7.02	4.43	3.18	1.99	3.82	0.64	0.34	0.54	0.27	2.11	17.64	19.25	181.74
481100	7773000	254815	0	57.43	1.57	30.90	29.46	8.07	5.82	4.54	2.86	5.29	0.92	0.48	0.74	0.41	3.01	21.93	30.49	203.93
481100	7772800	254816	0.007	122.85	1.16	65.48	40.10	12.46	5.61	2.95	1.76	3.98	0.56	0.31	0.53	0.24	1.80	13.80	17.25	290.83
481100	7772600	254817	0	100.46	1.30	51.39	35.60	10.58	5.96	3.89	2.30	4.85	0.76	0.38	0.68	0.33	2.32	23.01	22.77	266.57
481100	7772400	254818	0	71.11	1.37	32.88	32.27	8.55	6.46	4.89	2.85	5.86	0.95	0.45	0.84	0.41	2.78	36.96	28.08	236.71
481100	7772200	254819	0	179.72	1.73	86.42	66.94	19.69	11.96	7.26	3.68	10.02	1.32	0.51	1.36	0.48	3.36	38.35	38.44	471.24
481100	7772000	254820	0	166.63	1.45	83.98	59.67	17.75	10.34	5.65	2.92	7.99	1.01	0.45	1.07	0.40	2.88	24.23	30.48	416.90
481100	7771800	254821	0	241.24	1.39	120.10	78.14	24.56	13.30	6.78	3.60	10.00	1.21	0.65	1.26	0.53	3.95	9.97	36.27	552.96
481100	7771600	254822	0	489.42	2.05	242.74	159.67	50.10	26.14	9.19	3.43	18.40	1.39	0.45	2.11	0.43	2.87	7.21	39.65	1055.24
481100	7771400	254823	0	248.28	1.34	125.94	80.73	25.54	13.28	5.33	2.52	9.74	0.90	0.41	1.14	0.34	2.46	5.98	26.24	550.17
481100	7771200	254824	0	514.23	2.01	247.44	171.11	52.56	28.14	9.38	3.59	18.90	1.42	0.53	2.14	0.47	3.28	9.05	42.62	1106.88
481100	7771000	254825	0	452.36	1.98	224.89	146.32	45.40	24.46	8.67	3.83	16.46	1.41	0.65	1.92	0.54	3.89	10.12	42.23	985.12
481100	7770800	254826	0	377.58	2.41	204.73	136.23	43.03	23.22	10.59	5.31	17.14	1.82	0.91	2.12	0.74	5.58	13.80	54.92	900.14
481300	7773400	254835	0	94.62	1.10	47.59	33.18	10.12	5.14	3.10	1.94	3.92	0.63	0.38	0.53	0.30	2.21	14.11	19.19	238.06
481300	7773200	254836	0	52.33	0.87	24.75	17.43	5.17	2.89	1.85	1.17	2.21	0.37	0.20	0.33	0.17	1.24	8.28	11.01	130.26
481300	7773000	254837	0	59.04	1.56	28.28	26.72	7.22	5.37	4.19	2.63	4.73	0.84	0.47	0.71	0.38	2.78	27.15	25.18	197.23
481300	7772800	254838	0.005	67.63	1.23	35.64	25.81	7.54	4.37	3.16	2.30	3.75	0.62	0.35	0.52	0.29	2.12	16.26	20.08	191.65
481300	7772600	254839	0	70.73	1.18	35.77	28.14	8.01	4.94	3.49	2.16	4.11	0.70	0.36	0.59	0.32	2.25	20.86	21.33	204.96
481300	7772400	254840	0.006	107.51	1.30	47.57	38.93	11.24	7.09	4.60	2.45	5.91	0.84	0.39	0.84	0.34	2.40	34.51	23.06	288.96
481300	7772200	254841	0	46.46	1.27	20.91	21.25	5.55	4.92	4.75	2.70	5.04	0.92	0.38	0.78	0.37	2.54	66.57	26.21	210.59
481300	7772000	254842	0.006	557.94	2.34	269.74	189.67	58.61	33.59	13.15	4.52	24.34	1.97	0.47	2.92	0.49	3.17	10.89	55.92	1229.71
481300	7771800	254843	0	282.94	1.51	138.74	91.49	28.75	15.07	6.42	2.78	10.97	1.04	0.44	1.35	0.35	2.61	7.36	31.02	622.86
481300	7771600	254844	0	382.64	1.62	177.42	121.56	38.03	20.00	7.98	3.35	14.26	1.28	0.52	1.72	0.45	3.15	7.82	37.13	818.94
481300	7771400	254845	0	228.59	1.18	109.94	69.85	22.23	11.51	5.13	2.69	8.28	0.92	0.52	1.00	0.40	3.11	7.36	27.41	500.11
481300	7771200	254846	0	409.63	1.69	194.33	130.28	40.26	21.71	7.98	2.93	14.56	1.12	0.48	1.66	0.42	2.74	6.90	32.05	868.74
481300	7771000	254847	0.005	628.53	2.21	300.86	201.48	63.89	33.20	10.46	3.93	21.84	1.58	0.57	2.36	0.50	3.50	7.06	45.72	1327.69
481300	7770800	254848	0	274.93	1.33	130.99	88.04	27.73	15.20	7.44	4.01	11.13	1.32	0.80	1.41	0.62	4.63	9.82	41.58	620.98
481500	7773400	254857	0	91.71	1.48	49.28	39.04	11.15	6.75	4.57	2.97	5.86	0.94	0.52	0.79	0.42	3.19	23.16	29.64	271.47
481500	7773200	254858	0	93.96	1.38	46.10	35.56	10.25	5.83	3.97	2.39	4.86	0.79	0.42	0.67	0.35	2.60	24.39	24.47	257.99
481500	7773000	254859	0	62.52	1.32	30.22	25.52	7.20	4.55	3.45	2.21	3.98	0.70	0.38	0.55	0.31	2.31	25.46	21.04	191.72
481500	7772800	254860	0	65.31	1.26	33.38	25.47	7.32	4.42	3.27	2.06	3.80	0.66	0.35	0.54	0.30	2.12	19.33	20.24	189.84
481500	7772600	254861	0	74.14	1.26	39.64	28.16	8.32	4.73	3.28	2.08	3.91	0.66	0.35	0.55	0.32	2.22	20.71	20.04	210.39
481500	7772400	254862	0	31.75	1.17	15.29	17.04	4.23	3.73	3.16	1.94	3.60	0.63	0.30	0.54	0.26	1.88	37.58	17.69	140.79
481500	7772200	254863	0	62.65	1.68	27.97	30.87	7.91	6.89	6.47	3.89	7.16	1.29	0.55	1.06	0.54	3.62	48.62	37.74	248.91
481500	7772000	254864	0	199.60	1.63	101.89	71.00	21.40	12.41	6.17	2.84	9.74	1.05	0.43	1.21	0.38	2.66	16.41	31.27	480.09
481500	7771800	254865	0	262.33	1.45	130.07	89.76	27.75	15.32	7.08	3.13	11.49	1.18	0.45	1.47	0.42	2.88	13.19	35.99	603.98
481500	7771600	254866	0	37.51	1.49	16.65	20.03	4.93	5.06	5.58	3.26	5.69	1.11	0.47	0.92	0.46	3.09	61.51	32.54	200.28
481500	7771400	254867	0	178.43	1.29	91.72	61.75	18.94	10.77	5.21	2.61	8.02	0.92	0.45	1.02	0.38	2.72	12.73	28.19	425.16
481700	7773400	254879	0	95.41	1.32	48.38	33.53	9.97	5.28	3.36	2.15	4.22	0.66	0.36	0.56	0.32	2.22	15.49	21.03	244.27
481700	7773200	254880	0.386	86.33	1.12	47.71	31.85	9.57	4.80	3.00	1.77	3.84	0.58	0.30	0.53	0.25	1.84	20.09	17.59	231.18
481700	7773000	254881	0	88.43	1.27	40.04	35.27	9.79	6.42	4.71	2.90	5.36	0.93	0.49	0.79	0.41	3.02	27.61	28.47	255.91
481700	7772800	254882	0	70.89	1.18	34.82	26.12	7.59	4.38	3.08	1.88	3.70	0.61	0.32	0.52	0.26	1.97	17.79	18.68	193.78
481700	7772600	254883	0	97.03	1.34	49.68	34.59	10.14	5.40	3.70	2.33	4.45	0.74	0.40	0.62	0.35	2.48	21.78	22.07	257.12
481700	7772400	254884	0	43.42	1.27	20.84	21.06	5.42	4.49	3.64	2.17	4.25	0.70	0.32	0.59	0.29	2.07	38.35	20.85	169.74
481700	7772200	254885	0	82.19	1.27	38.62	33.81	9.28	6.49	4.36	2.31	5.71	0.81	0.32	0.80	0.32	2.28	46.47	23.40	258.45
481700	7772000	254886	0.011	62.94	1.25	30.59	26.35	7.26	5.09	3.75	2.17	4.52	0.72	0.33	0.66	0.31	2.13	29.60	21.27	198.94
481700	7771800	254887	0	235.18	1.60	115.49	80.85	24.69	13.27	6.27	2.92	10.33	1.07	0.42	1.25	0.39	2.69	24.08	31.19	551.68

East	North	Sample ID	Au ppm	CeO <sub>2</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	La <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Pr <sub>6</sub> O <sub>11</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>4</sub> O <sub>7</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Sc <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO ppm
481700	7771600	254888	0	59.71	1.35	29.98	27.69	7.36	5.67	4.41	2.70	5.21	0.87	0.39	0.76	0.35	2.64	36.66	25.73	211.48
481700	7771400	254889	0	144.42	1.31	68.44	49.77	15.03	9.09	5.24	2.96	7.26	0.96	0.53	0.96	0.42	3.15	15.80	29.53	354.89
481900	7773400	255201	0	74.11	1.23	38.41	29.57	8.51	5.16	3.73	2.31	4.44	0.73	0.40	0.64	0.35	2.52	21.47	24.00	217.57
481900	7773200	255202	0	59.39	1.24	30.29	24.54	7.03	4.19	3.06	1.98	3.56	0.63	0.34	0.53	0.27	2.07	17.33	19.19	175.65
481900	7773000	255203	0	69.58	1.12	35.02	24.90	7.37	4.15	2.85	1.72	3.47	0.55	0.27	0.48	0.23	1.66	11.04	16.53	180.95
481900	7772800	255204	0	59.97	1.09	27.84	21.09	6.11	3.64	2.47	1.50	2.99	0.47	0.26	0.42	0.22	1.65	12.42	14.03	156.17
481900	7772600	255205	0.006	76.36	1.31	39.12	28.54	8.36	4.86	3.55	2.29	4.16	0.72	0.36	0.59	0.32	2.25	19.02	21.91	213.72
481900	7772400	255206	0	51.68	1.31	28.42	28.04	7.44	5.32	3.90	2.39	4.67	0.77	0.36	0.66	0.34	2.25	27.61	22.34	187.50
481900	7772200	255207	0.012	50.23	1.20	23.73	22.52	6.03	4.72	3.68	2.18	4.35	0.71	0.32	0.61	0.30	2.07	35.74	21.07	179.46
481900	7772000	255208	0.007	93.41	1.29	43.59	34.22	9.94	6.31	4.02	2.26	5.34	0.74	0.34	0.74	0.31	1.99	22.55	22.64	249.69
481900	7771800	255209	0.006	217.96	1.61	107.29	78.05	23.45	13.72	6.66	2.97	10.86	1.13	0.40	1.33	0.39	2.52	28.07	32.78	529.18
481900	7771600	255210	0.01	261.86	1.56	128.54	87.05	26.82	15.03	7.25	3.57	11.25	1.26	0.59	1.45	0.50	3.45	11.20	38.26	599.64
481900	7771400	255211	0	419.22	1.86	209.14	143.15	44.48	24.44	9.39	3.86	17.24	1.49	0.59	2.08	0.50	3.44	11.20	44.54	936.64
482100	7773400	255225	0	66.43	0.81	30.95	20.85	6.42	3.28	2.05	1.26	2.48	0.40	0.23	0.35	0.18	1.31	15.64	11.29	163.94
482100	7773200	255226	0.007	80.21	1.08	39.75	26.83	8.16	4.23	2.75	1.73	3.40	0.56	0.30	0.48	0.25	1.73	9.05	16.50	197.00
482100	7773000	255227	0.045	69.85	1.19	34.85	26.47	7.58	4.64	3.27	2.05	3.90	0.66	0.35	0.55	0.31	2.06	21.93	20.00	199.66
482100	7772800	255228	0.01	70.36	1.29	35.45	28.00	8.08	4.94	3.45	2.20	4.08	0.71	0.36	0.59	0.32	2.25	20.55	21.31	203.96
482100	7772600	255229	0.063	127.71	1.11	65.30	41.06	12.66	5.65	3.14	1.92	4.25	0.63	0.33	0.54	0.29	1.99	20.55	18.05	305.19
482100	7772400	255230	0.005	69.98	1.31	32.47	28.63	7.91	5.54	4.03	2.33	4.96	0.79	0.35	0.72	0.34	2.21	29.60	23.11	214.30
482100	7772200	255231	0	106.59	1.33	50.56	40.36	11.50	7.39	4.27	2.26	6.21	0.78	0.33	0.81	0.31	2.11	28.84	23.05	286.69
482100	7772000	255232	0.007	90.14	1.25	42.43	33.62	9.59	6.12	3.84	2.02	5.27	0.72	0.34	0.68	0.27	1.89	25.77	20.93	244.89
482100	7771900	255233	0	189.98	1.66	101.15	66.01	20.25	10.95	5.95	3.01	8.60	1.04	0.47	1.16	0.40	2.73	15.34	32.66	461.35
482100	7771800	255234	0	137.31	1.32	67.12	48.00	14.46	8.08	4.53	2.38	6.49	0.81	0.35	0.86	0.32	2.23	21.63	24.29	340.18
482100	7771700	255235	0	430.12	2.05	211.72	141.55	44.36	23.45	9.97	4.06	16.96	1.59	0.60	2.08	0.51	3.52	9.36	46.77	948.67
482100	7771600	255236	0	215.43	1.18	99.06	72.49	22.35	12.52	5.96	2.79	9.27	0.99	0.52	1.18	0.40	2.90	8.59	28.09	483.72
482100	7771500	255237	0.007	381.46	1.82	188.16	130.47	40.62	23.02	9.26	3.81	16.71	1.48	0.56	2.05	0.49	3.25	8.28	43.67	855.10
482100	7771400	255238	0	214.38	1.19	102.41	72.65	22.54	12.54	5.10	2.29	8.94	0.82	0.38	1.08	0.33	2.36	5.98	25.28	478.27
482100	7771300	255239	0	174.70	1.27	86.25	59.15	18.50	10.27	4.85	2.40	7.78	0.82	0.41	0.98	0.35	2.55	6.44	26.03	402.76
482200	7772000	255261	0	161.26	1.60	85.41	60.26	18.23	10.45	5.60	2.96	8.26	1.03	0.44	1.08	0.40	2.70	14.72	30.90	405.31
482200	7771900	255262	0	244.59	1.59	122.54	85.51	26.14	14.62	6.74	2.69	10.96	1.04	0.36	1.36	0.34	2.20	9.82	30.90	561.41
482200	7771800	255263	0	334.15	1.76	171.72	116.36	36.15	19.44	8.16	3.27	13.90	1.27	0.41	1.71	0.40	2.57	11.50	37.95	760.71
482200	7771700	255264	0	541.68	2.15	272.27	176.97	55.36	27.08	10.50	4.32	19.18	1.70	0.65	2.21	0.56	3.86	16.41	47.58	1182.48
482200	7771600	255265	0	478.39	2.19	235.94	162.38	49.98	28.06	10.50	3.42	20.07	1.51	0.41	2.38	0.40	2.60	7.06	42.72	1048.00
482200	7771500	255266	0	273.23	1.45	116.89	79.51	24.43	13.75	7.38	3.85	10.48	1.32	0.66	1.40	0.56	3.95	15.34	38.52	592.71
482200	7771400	255267	0	196.67	1.23	90.48	69.67	21.29	12.26	5.39	2.39	9.13	0.81	0.38	1.09	0.34	2.40	6.29	25.26	445.08
482200	7771300	255268	0	486.30	1.97	236.76	161.02	50.54	27.00	9.97	3.75	19.32	1.45	0.51	2.20	0.49	3.37	11.35	44.22	1060.22
482300	7773400	255290	0.006	80.35	1.20	39.79	29.17	8.61	4.82	3.32	2.08	3.98	0.66	0.38	0.55	0.31	2.07	18.71	20.50	216.51
482300	7773200	255291	0.017	72.61	1.26	37.70	27.74	8.06	4.66	3.22	2.06	3.95	0.65	0.35	0.55	0.30	2.15	18.25	20.93	204.46
482300	7773000	255292	0.006	72.47	1.34	41.76	29.99	8.64	4.93	3.47	2.16	4.18	0.68	0.35	0.56	0.30	2.13	15.49	21.50	209.96
482300	7772800	255293	0.006	69.10	1.07	38.56	25.23	7.66	4.00	2.67	1.67	3.32	0.54	0.27	0.46	0.24	1.65	14.11	16.34	186.89
482300	7772600	255294	0	55.68	1.18	26.94	21.83	6.09	3.91	3.13	1.98	3.53	0.62	0.32	0.53	0.30	2.03	19.17	19.29	166.52
482300	7772400	255295	0	72.47	1.18	34.77	27.98	8.02	5.21	3.59	2.09	4.44	0.68	0.33	0.62	0.30	1.87	27.76	20.46	211.77
482300	7772200	255296	0.017	148.40	1.33	71.47	53.01	15.77	9.17	4.97	2.50	7.37	0.88	0.34	0.98	0.32	2.21	24.23	25.98	368.94
482300	7772000	255297	0	142.39	1.27	69.73	51.73	15.34	9.10	5.26	2.65	7.58	0.94	0.43	0.99	0.35	2.43	24.54	28.00	362.75
482300	7771900	255298	0.006	284.50	1.71	140.24	98.65	30.12	17.13	7.86	3.12	12.82	1.25	0.39	1.61	0.39	2.44	23.16	35.52	660.91
482300	7771800	255299	0	428.59	2.18	207.18	146.45	44.97	25.72	10.82	4.06	19.13	1.67	0.52	2.34	0.49	3.18	8.59	46.57	952.47
482300	7771700	255300	0	253.46	1.37	118.93	84.96	26.22	14.32	6.70	3.08	10.45	1.11	0.55	1.36	0.45	3.14	8.74	32.31	567.15
482300	7771600	255301	0	340.33	1.60	166.89	114.50	35.19	19.60	7.80	2.93	14.06	1.19	0.38	1.72	0.37	2.28	6.60	33.67	749.09

East	North	Sample ID	Au ppm	CeO <sub>2</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	La <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Pr <sub>6</sub> O <sub>11</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>4</sub> O <sub>7</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Sc <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO ppm
482300	7771500	255302	0	320.36	1.29	147.79	99.71	30.70	17.24	6.69	2.48	12.04	0.99	0.41	1.47	0.32	2.17	6.75	28.55	678.97
482300	7771400	255303	0.066	311.69	1.30	144.29	96.62	29.88	16.27	6.19	2.53	11.61	0.95	0.40	1.34	0.38	2.47	5.21	28.13	659.24
482300	7771300	255304	0.005	309.94	1.30	138.20	95.23	29.73	16.56	6.93	3.24	12.19	1.12	0.55	1.47	0.47	3.36	8.90	35.43	664.62
482400	7772000	255326	0	398.94	2.43	205.27	139.27	42.77	22.84	9.88	3.99	16.82	1.58	0.50	2.03	0.50	3.11	13.65	47.08	910.66
482400	7771900	255327	0	325.70	1.82	158.52	111.79	34.06	18.94	8.49	3.41	13.94	1.34	0.45	1.73	0.43	2.74	8.59	39.56	731.51
482400	7771800	255328	0	405.36	2.13	200.19	140.58	43.40	24.46	10.26	3.91	17.83	1.60	0.45	2.22	0.45	2.79	16.10	44.45	916.20
482400	7771700	255329	0	230.28	1.53	116.54	78.03	24.03	13.13	6.12	2.54	9.87	0.94	0.39	1.22	0.33	2.23	10.74	28.47	526.38
482400	7771600	255330	0	406.60	2.14	201.90	141.94	43.77	24.93	10.73	4.14	18.67	1.64	0.55	2.32	0.51	3.31	10.89	49.63	923.68
482400	7771500	255331	0.038	239.21	1.08	121.46	78.73	24.50	13.45	5.00	1.80	9.01	0.73	0.20	1.12	0.21	1.32	3.99	20.56	522.38
482400	7771400	255332	0.021	288.20	1.52	142.12	96.69	30.14	16.11	7.31	3.66	11.76	1.20	0.63	1.51	0.57	4.02	11.96	39.62	657.01
482400	7771300	255333	0	370.29	1.69	177.17	126.00	38.85	21.73	8.08	3.17	15.17	1.23	0.45	1.75	0.46	2.96	7.36	37.86	814.23
482500	7773400	255355	0.01	86.94	1.13	43.77	29.79	8.75	4.56	2.87	1.78	3.82	0.56	0.30	0.49	0.26	1.76	13.50	17.78	218.06
482500	7773200	255356	0.019	78.76	1.11	41.00	29.80	8.77	4.85	3.24	2.06	3.84	0.63	0.35	0.55	0.30	2.07	15.49	20.08	212.90
482500	7773000	255357	0	56.09	0.90	32.49	20.80	6.35	3.19	2.01	1.19	2.51	0.38	0.20	0.34	0.17	1.13	8.90	12.23	148.88
482500	7772800	255358	0.006	70.84	1.18	36.67	28.86	8.40	5.10	3.57	2.28	4.29	0.71	0.39	0.61	0.32	2.23	23.16	22.68	211.28
482500	7772600	255359	0.013	89.90	1.02	46.43	29.43	9.03	4.45	2.54	1.52	3.14	0.52	0.27	0.44	0.23	1.48	13.80	14.66	218.84
482500	7772400	255360	0	78.59	1.17	38.03	29.87	8.55	5.55	3.66	2.17	4.53	0.70	0.33	0.65	0.30	2.00	25.92	20.88	222.91
482500	7772200	255361	0	50.95	1.25	24.34	23.58	6.26	4.88	3.87	2.28	4.51	0.76	0.35	0.65	0.32	2.19	36.81	22.53	185.51
482500	7772000	255362	0	168.16	1.66	85.92	61.65	18.13	10.51	5.68	2.95	8.20	1.03	0.44	1.07	0.40	2.63	33.74	31.10	433.28
482500	7771900	255363	0	258.19	1.61	131.40	90.10	27.78	15.20	7.10	3.11	11.48	1.18	0.42	1.46	0.39	2.61	12.73	34.78	599.54
482500	7771800	255364	0	221.54	1.69	119.13	77.86	23.96	13.09	6.36	3.21	9.99	1.15	0.47	1.31	0.45	2.92	11.35	33.64	528.10
482500	7771700	255365	0	380.56	1.91	186.75	125.47	39.11	21.07	8.75	3.51	15.49	1.47	0.44	1.98	0.46	2.86	8.28	40.05	838.16
482500	7771600	255366	0	310.42	1.69	152.11	107.59	33.02	19.06	8.21	3.16	14.26	1.33	0.40	1.80	0.42	2.57	7.06	37.86	700.95
482500	7771500	255367	0	286.11	1.35	133.92	92.28	28.20	16.19	6.38	2.58	11.55	1.08	0.34	1.45	0.35	2.17	6.29	29.37	619.63
482500	7771400	255368	0	242.36	1.12	114.42	76.64	24.09	12.84	5.64	2.74	9.32	0.93	0.48	1.13	0.43	3.14	8.13	29.37	532.79
482500	7771300	255369	0.007	252.62	1.05	116.46	84.97	26.17	15.59	6.93	3.13	11.45	1.10	0.51	1.43	0.47	3.26	9.82	35.34	570.29
482600	7772000	255391	0.006	65.25	1.35	31.04	29.42	7.95	5.86	4.68	2.80	5.36	0.96	0.41	0.81	0.41	2.61	41.41	27.35	227.68
482600	7771900	255392	0	265.67	1.79	138.32	96.89	29.38	16.44	7.48	3.30	12.23	1.32	0.42	1.62	0.46	2.78	12.73	37.20	628.04
482600	7771800	255393	0	202.26	1.46	103.72	70.62	21.73	12.22	5.82	2.58	9.13	1.02	0.35	1.21	0.37	2.25	9.36	28.45	472.56
482600	7771700	255394	0.007	307.20	1.73	155.17	105.62	33.00	17.87	7.80	3.19	13.13	1.29	0.41	1.69	0.43	2.60	10.89	36.31	698.33
482600	7771600	255395	0	250.58	1.25	120.69	78.92	24.84	13.49	6.25	2.45	9.80	0.99	0.38	1.27	0.35	2.25	6.29	27.79	547.57
482600	7771500	255396	0.009	339.13	1.48	156.65	108.88	33.43	18.47	7.71	3.19	13.47	1.25	0.44	1.71	0.43	2.78	8.13	38.86	736.02
482600	7771400	255397	0	238.37	1.13	110.30	73.95	23.16	12.79	5.99	2.88	9.16	1.00	0.50	1.20	0.46	3.55	7.82	30.99	523.25
482600	7771300	255398	0.009	210.96	1.24	100.40	69.64	21.82	11.89	5.93	3.36	8.77	1.08	0.64	1.13	0.56	3.97	13.19	33.17	487.76
482700	7773400	255419	0.007	85.97	1.35	45.73	31.68	9.38	4.99	3.28	2.04	4.07	0.69	0.31	0.60	0.31	1.98	14.42	20.60	227.38
482700	7773200	255420	0.005	70.52	1.09	36.41	25.00	7.60	4.15	2.63	1.59	3.22	0.54	0.25	0.47	0.24	1.55	11.35	16.05	182.65
482700	7773000	255421	0.007	76.76	1.16	40.18	28.75	8.41	4.79	3.22	1.97	3.88	0.65	0.31	0.58	0.30	1.89	17.18	19.33	209.35
482700	7772800	255422	0.007	67.35	1.17	34.76	24.10	7.15	4.12	2.90	1.84	3.37	0.60	0.28	0.49	0.27	1.81	15.95	17.42	183.59
482700	7772600	255423	0.006	91.56	1.20	46.03	31.17	9.30	4.92	3.27	2.15	3.92	0.70	0.33	0.60	0.33	2.17	20.25	20.67	238.58
482700	7772400	255424	0	65.50	1.38	32.76	26.48	7.56	4.85	3.52	2.18	4.18	0.74	0.34	0.62	0.32	2.15	18.41	21.69	192.69
482700	7772200	255425	0	69.38	1.33	33.87	30.41	8.09	6.01	4.68	2.85	5.39	0.99	0.44	0.85	0.43	2.78	36.20	27.41	231.10
482700	7772000	255426	0	193.69	1.55	98.17	69.98	21.17	12.35	6.29	2.96	9.42	1.13	0.41	1.26	0.42	2.69	24.08	31.95	477.53
482700	7771900	255427	0	134.70	1.22	67.39	47.25	14.38	8.13	4.19	2.06	6.28	0.78	0.31	0.85	0.30	1.94	8.74	22.48	320.98
482700	7771800	255428	0	296.75	2.08	156.85	107.84	33.09	18.17	8.53	3.66	13.70	1.48	0.45	1.80	0.50	2.98	13.34	42.02	703.26
482700	7771700	255429	0	300.13	1.53	148.50	99.63	30.61	16.71	7.75	3.49	12.29	1.32	0.52	1.63	0.49	3.17	10.89	38.30	676.96
482700	7771600	255430	0	302.99	1.57	148.22	101.97	31.52	17.52	8.30	3.76	13.05	1.42	0.57	1.74	0.55	3.47	10.74	40.27	687.65
482700	7771500	255431	0	309.57	1.45	151.40	103.75	31.93	17.93	7.10	2.63	12.96	1.13	0.34	1.61	0.33	2.05	5.37	30.25	679.81
482700	7771400	255432	0	228.39	1.13	106.97	69.01	21.69	11.38	5.35	2.66	8.26	0.92	0.48	1.06	0.46	3.09	10.12	28.36	499.32

East	North	Sample ID	Au ppm	CeO <sub>2</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	La <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Pr <sub>6</sub> O <sub>11</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>4</sub> O <sub>7</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Sc <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO ppm
482700	7771300	255433	0	354.93	1.68	162.36	116.98	36.34	20.11	8.73	3.88	15.10	1.37	0.57	1.82	0.57	3.72	12.42	41.50	782.09
482800	7772000	255452	0	64.35	1.33	35.31	31.03	8.80	5.80	4.15	2.38	5.12	0.84	0.36	0.73	0.37	2.29	31.29	22.76	216.90
482800	7771900	255453	0	224.82	1.64	118.54	81.15	24.67	14.21	6.71	3.08	10.45	1.17	0.39	1.41	0.40	2.46	18.87	32.82	542.78
482800	7771800	255454	0	166.13	1.44	78.00	58.49	17.45	10.55	5.66	2.81	8.17	1.04	0.39	1.11	0.40	2.51	23.93	29.21	407.27
482800	7771700	255455	0	361.92	2.11	184.81	126.41	38.75	21.46	10.50	4.93	16.13	1.89	0.68	2.18	0.70	4.43	14.26	54.58	845.73
482800	7771600	255456	0	389.95	1.88	191.85	130.09	40.57	22.54	9.82	4.06	16.71	1.65	0.55	2.15	0.55	3.44	9.36	46.21	871.38
482800	7771500	255457	0	309.96	1.54	151.69	105.72	32.49	18.61	8.25	3.65	13.59	1.41	0.52	1.80	0.51	3.29	9.82	41.53	704.37
482800	7771400	255458	0	211.24	1.23	103.18	70.30	21.82	12.14	6.25	3.29	9.37	1.12	0.58	1.21	0.53	3.77	9.05	35.38	490.47
482800	7771300	255459	0	350.75	1.52	169.13	115.48	36.05	19.05	8.00	3.65	13.68	1.28	0.56	1.67	0.55	3.71	10.12	41.12	776.32
482900	7773400	255477	0.006	68.83	1.19	35.68	25.36	7.33	4.24	2.87	1.85	3.40	0.62	0.28	0.51	0.26	1.84	17.03	17.45	188.74
482900	7773200	255478	0.006	70.48	1.15	39.44	27.53	7.97	4.50	3.06	1.88	3.77	0.62	0.30	0.52	0.27	1.88	15.03	19.14	197.53
482900	7773000	255479	0	59.88	0.90	27.57	20.84	6.11	3.59	2.27	1.36	2.73	0.47	0.23	0.41	0.22	1.48	18.25	12.50	158.83
482900	7772800	255480	0	85.08	1.78	50.24	37.72	10.91	6.41	4.54	2.79	5.51	0.97	0.43	0.82	0.41	2.77	15.34	29.25	254.98
482900	7772600	255481	0	92.57	1.26	48.94	32.44	9.70	5.07	3.16	1.97	3.99	0.66	0.31	0.56	0.30	1.99	16.26	19.37	238.54
482900	7772400	255482	0	81.28	1.26	42.06	29.40	8.87	4.67	3.19	1.99	3.77	0.66	0.31	0.56	0.30	1.95	16.72	18.99	215.98
482900	7772200	255483	0.007	62.81	1.12	30.30	25.78	7.18	5.04	3.73	2.16	4.48	0.76	0.31	0.65	0.32	2.04	30.83	21.25	198.75
482900	7772000	255484	0	122.28	1.32	58.77	42.95	13.02	7.61	4.37	2.30	6.40	0.84	0.34	0.87	0.33	2.13	18.41	23.29	305.22
482900	7771900	255485	0	161.17	1.44	82.49	58.37	17.63	10.15	5.37	2.58	7.58	0.99	0.38	1.05	0.38	2.33	16.26	27.81	395.97
482900	7771800	255486	0	57.67	1.22	31.04	24.34	6.89	4.35	2.88	1.62	3.63	0.58	0.24	0.52	0.23	1.48	28.07	16.23	180.99
482900	7771700	255487	0	160.79	1.47	80.32	56.69	17.20	9.69	5.57	3.09	7.79	1.10	0.47	1.09	0.47	2.98	17.33	31.19	397.25
482900	7771600	255488	0	194.91	1.16	93.14	60.97	19.52	10.38	6.01	3.28	7.80	1.15	0.52	1.14	0.49	3.35	8.28	32.46	444.56
482900	7771500	255489	0	290.79	1.70	142.93	97.52	30.54	16.70	7.67	3.56	12.45	1.33	0.51	1.63	0.51	3.20	10.43	38.33	659.80
482900	7771400	255490	0	166.01	1.16	82.65	56.02	17.62	9.90	4.74	2.45	7.34	0.82	0.44	0.92	0.39	2.70	7.21	26.29	386.66
482900	7771300	255491	0	263.27	1.46	116.29	93.84	28.40	16.49	7.48	3.22	12.25	1.17	0.50	1.52	0.47	3.23	11.04	33.82	594.46
483000	7772000	256007	0	64.33	1.25	32.67	26.22	7.50	4.81	3.47	2.14	4.15	0.72	0.32	0.60	0.32	2.12	22.24	20.76	193.62
483000	7771900	256008	0	103.94	1.15	48.61	35.48	10.51	5.76	3.72	2.24	4.77	0.76	0.34	0.67	0.33	2.08	23.62	21.70	265.70
483000	7771800	256009	0.008	157.27	1.38	72.84	53.77	16.10	9.40	5.02	2.46	7.43	0.90	0.35	1.00	0.35	2.14	23.01	26.22	379.66
483000	7771700	256010	0	99.44	1.52	52.88	40.40	11.66	7.06	4.67	2.69	5.94	0.94	0.40	0.84	0.39	2.46	33.13	27.47	291.87
483000	7771600	256011	0	138.35	1.30	60.05	41.88	12.77	6.84	4.03	2.50	5.23	0.84	0.40	0.74	0.38	2.49	25.77	25.59	329.16
483000	7771500	256012	0	302.79	1.73	151.33	99.91	30.83	16.77	8.17	4.09	12.22	1.53	0.67	1.65	0.62	4.12	11.81	42.80	691.05
483000	7771400	256013	0.041	138.82	0.94	62.74	47.70	14.59	8.45	4.02	2.00	6.12	0.68	0.34	0.79	0.30	2.14	6.44	20.42	316.50
483000	7771300	256014	0	211.58	1.11	89.61	70.75	21.76	12.59	5.70	2.54	9.47	0.88	0.40	1.20	0.38	2.61	7.82	25.42	463.83
483100	7773400	256029	0	53.75	1.13	27.51	21.90	6.25	3.78	2.70	1.74	3.18	0.57	0.27	0.47	0.26	1.73	17.49	16.86	159.61
483100	7773200	256030	0	69.38	1.24	34.88	25.33	7.35	4.34	3.01	1.88	3.53	0.64	0.30	0.53	0.30	1.94	18.25	18.54	191.41
483100	7773000	256031	0.006	69.02	1.19	33.83	24.87	7.21	4.27	3.00	1.86	3.56	0.65	0.31	0.52	0.29	1.90	19.33	18.92	190.73
483100	7772800	256032	0	71.31	1.16	29.68	25.44	7.37	4.62	3.12	1.97	3.61	0.65	0.34	0.55	0.31	2.06	25.00	17.37	194.56
483100	7772600	256033	0	82.30	0.96	41.47	25.93	8.03	3.76	2.34	1.45	2.97	0.48	0.23	0.42	0.22	1.46	11.66	13.80	197.49
483100	7772400	256034	0	68.94	1.32	34.77	26.59	7.48	4.85	3.78	2.42	4.32	0.82	0.39	0.65	0.38	2.41	27.15	23.18	209.44
483100	7772200	256035	0.01	79.43	1.16	42.18	28.25	8.47	4.63	2.97	1.80	3.56	0.62	0.33	0.51	0.26	1.83	17.33	17.30	210.62
483100	7772000	256036	0	98.76	1.22	49.34	32.90	9.91	5.28	3.48	2.17	4.28	0.73	0.34	0.62	0.34	2.13	18.25	20.87	250.62
483100	7771900	256037	0	71.02	1.42	38.15	31.34	8.81	5.88	4.35	2.66	5.09	0.92	0.39	0.73	0.40	2.66	24.85	26.63	225.31
483100	7771800	256038	0.006	75.13	1.30	35.19	30.89	8.55	5.83	4.22	2.53	5.05	0.88	0.36	0.76	0.37	2.30	41.87	23.62	238.86
483100	7771700	256039	0.006	84.99	1.47	42.77	32.74	9.34	5.88	3.99	2.26	4.98	0.80	0.35	0.71	0.33	2.16	34.20	22.40	249.39
483100	7771600	256040	0	53.23	0.69	21.44	17.29	4.99	3.20	2.36	1.37	2.80	0.47	0.22	0.42	0.22	1.40	28.68	12.34	151.12
483100	7771500	256041	0	318.46	1.90	160.39	110.21	34.40	19.41	9.95	4.97	14.25	1.81	0.84	2.01	0.77	5.12	24.39	50.92	759.80
483100	7771400	256042	0.07	148.49	1.30	75.15	54.64	16.62	9.72	5.66	2.78	7.88	0.96	0.42	1.07	0.41	2.88	10.28	31.06	369.33
483200	7772000	256056	0	94.57	1.31	48.19	34.24	9.94	5.64	4.01	2.52	4.83	0.84	0.40	0.71	0.39	2.49	22.70	24.94	257.71
483200	7771900	256057	0	62.22	1.17	28.32	25.58	7.00	5.07	3.99	2.54	4.47	0.85	0.40	0.68	0.39	2.53	31.14	23.75	200.08

East	North	Sample ID	Au ppm	CeO <sub>2</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	La <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Pr <sub>6</sub> O <sub>11</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>4</sub> O <sub>7</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Sc <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO ppm
483200	7771800	256058	0.013	85.65	1.32	42.17	33.16	9.57	6.03	4.71	2.85	5.24	0.94	0.45	0.81	0.43	2.85	26.84	26.39	249.42
483200	7771700	256059	0.015	92.19	1.30	41.43	32.73	9.58	6.18	4.68	2.78	5.36	0.96	0.47	0.80	0.45	2.94	26.99	26.68	255.52
483200	7771300	256063	0.104	226.50	1.52	113.92	79.86	24.43	14.09	6.46	2.94	10.56	1.07	0.41	1.32	0.42	2.73	14.57	32.88	533.68
483200	7771200	256064	0	271.54	1.39	121.62	91.15	28.13	16.68	7.69	3.48	12.06	1.20	0.56	1.55	0.53	3.61	13.19	36.74	611.10
483300	7773400	256075	0	67.65	1.17	35.38	25.56	7.59	4.21	2.86	1.82	3.43	0.62	0.30	0.51	0.27	1.82	14.42	18.17	185.77
483300	7773200	256076	0.006	64.51	1.18	32.85	24.14	7.02	4.16	2.95	1.82	3.35	0.63	0.31	0.49	0.27	1.89	15.49	18.02	179.10
483300	7773000	256077	0.007	98.93	1.23	51.81	32.95	10.14	5.00	3.16	1.92	3.85	0.63	0.33	0.54	0.30	1.97	17.95	18.64	249.34
483300	7772800	256078	0	87.31	1.33	44.18	30.79	9.17	5.04	3.33	2.08	4.05	0.71	0.34	0.59	0.33	2.10	19.02	20.05	230.42
483300	7772600	256079	0	76.28	1.52	36.43	32.92	8.92	6.35	5.06	3.22	5.42	1.07	0.53	0.86	0.50	3.31	35.58	31.20	249.18
483300	7772400	256080	0.113	54.10	1.41	23.99	25.85	6.56	5.44	4.58	2.89	5.16	0.99	0.45	0.80	0.45	2.81	37.73	27.56	200.77
483300	7772200	256081	0	61.11	1.07	30.75	22.78	6.57	4.01	3.00	1.88	3.48	0.63	0.27	0.54	0.29	1.79	17.33	18.29	173.78
483300	7772000	256082	0	55.24	1.46	27.09	29.22	7.53	6.18	5.13	3.25	5.66	1.07	0.47	0.87	0.47	3.06	42.03	31.15	219.86
483300	7771900	256083	0.033	98.43	1.35	50.35	37.66	10.97	6.91	5.28	3.36	6.09	1.08	0.52	0.93	0.50	3.26	25.15	31.53	283.38
483300	7771500	256087	0.008	104.90	1.27	58.67	40.97	12.38	7.41	4.87	2.65	5.95	0.90	0.42	0.82	0.41	2.68	19.79	27.32	291.42
483300	7771400	256088	0	151.74	1.81	61.37	57.75	15.80	11.80	9.61	5.67	11.31	1.83	0.86	1.63	0.83	5.61	39.42	60.32	437.38
483300	7771300	256089	0	420.73	2.03	203.46	144.22	44.97	25.08	10.49	4.00	18.55	1.53	0.51	2.21	0.54	3.44	9.66	47.57	939.00
483300	7771200	256090	0	216.83	1.11	98.72	71.94	22.25	13.01	6.85	3.43	9.98	1.16	0.56	1.31	0.54	3.63	11.66	35.71	498.70
483300	7770600	256096	0	274.22	1.19	118.50	94.43	28.36	16.20	6.74	3.02	11.79	1.05	0.47	1.40	0.45	3.15	7.98	30.06	599.00
483300	7770500	256097	0.015	138.31	0.71	54.39	50.63	15.02	10.07	6.29	3.66	8.13	1.15	0.69	1.15	0.58	4.46	13.96	31.30	340.50
483300	7770400	256098	0	205.11	0.88	103.94	64.91	20.82	10.30	4.51	1.65	7.07	0.57	0.27	0.80	0.26	1.80	4.45	18.12	445.46
483400	7772000	256099	0	51.35	0.95	24.66	19.99	5.78	3.97	3.55	2.33	3.43	0.77	0.42	0.58	0.38	2.62	17.64	20.87	159.27
483400	7771700	256102	0.016	99.29	1.03	48.13	35.15	10.63	6.73	4.98	3.05	5.42	0.99	0.50	0.86	0.48	3.19	21.93	28.26	270.62
483400	7771600	256103	0	182.24	1.46	92.71	65.84	19.84	11.49	5.72	2.74	8.75	1.04	0.36	1.16	0.38	2.30	25.15	28.59	449.78
483400	7771500	256104	0	167.87	1.12	79.89	54.89	17.06	9.54	4.25	1.91	7.04	0.73	0.27	0.88	0.26	1.69	5.52	20.45	373.38
483400	7771400	256105	0	38.36	1.05	18.74	16.57	4.54	3.26	2.28	1.35	2.93	0.42	0.19	0.41	0.19	1.25	27.92	13.49	132.97
483400	7771300	256106	0	115.38	1.13	54.75	42.47	12.64	7.68	4.21	2.22	6.18	0.76	0.34	0.81	0.34	2.22	20.25	23.75	295.12
483400	7771200	256107	0	218.54	1.12	92.13	77.74	23.80	14.15	6.73	2.68	11.03	1.01	0.35	1.36	0.38	2.41	8.13	26.53	488.09
483400	7771100	256108	0	328.17	1.56	161.46	108.74	33.76	18.35	7.51	3.35	12.87	1.23	0.52	1.60	0.50	3.40	11.35	38.14	732.51
483400	7771000	256109	0	383.54	1.49	184.49	128.94	40.28	22.62	8.75	3.40	15.77	1.31	0.49	1.92	0.49	3.17	10.28	40.37	847.29
483400	7770900	256110	0	320.08	1.77	158.89	109.30	34.08	18.54	7.90	3.62	13.70	1.25	0.53	1.63	0.54	3.67	9.05	40.10	724.66
483400	7770800	256111	0	289.91	1.38	137.45	94.22	29.52	15.34	5.88	2.81	10.27	0.97	0.51	1.21	0.45	3.06	11.04	30.11	634.13
483400	7770700	256112	0	228.86	1.07	90.69	58.49	18.55	9.65	5.78	3.58	7.43	1.09	0.67	1.01	0.59	4.22	14.11	36.10	481.90
483400	7770600	256113	0.015	110.50	0.71	42.51	42.30	12.30	9.09	5.65	3.44	7.33	1.08	0.64	1.04	0.55	4.02	10.28	29.31	280.74
483500	7773400	256114	0	63.57	1.26	32.88	27.03	7.56	5.01	3.51	2.16	4.21	0.72	0.32	0.60	0.32	2.14	15.18	21.78	188.26
483500	7773200	256115	0	64.02	1.42	31.76	27.83	7.54	5.51	4.22	2.70	4.79	0.92	0.41	0.76	0.41	2.70	30.22	26.19	211.40
483500	7773000	256116	0	55.12	1.07	28.03	22.56	6.39	3.92	2.87	1.82	3.41	0.61	0.28	0.52	0.29	1.84	20.55	17.36	166.63
483500	7772800	256117	0.012	52.83	1.18	27.51	23.23	6.37	4.34	3.33	2.09	3.78	0.71	0.33	0.59	0.32	2.05	19.48	21.14	169.29
483500	7772600	256118	0	60.60	1.42	28.39	28.58	7.64	6.04	4.99	2.94	5.51	1.02	0.43	0.84	0.43	2.80	40.19	28.93	220.74
483500	7772400	256119	0.005	47.07	1.13	21.64	20.00	5.44	4.16	3.37	2.17	3.67	0.72	0.32	0.59	0.31	2.04	24.85	20.51	157.99
483500	7772200	256120	0	64.32	1.33	28.58	26.26	7.26	5.22	4.28	2.61	4.79	0.88	0.35	0.72	0.38	2.44	24.69	24.81	198.92
483500	7771800	256123	0.087	111.59	1.27	55.10	41.03	12.49	8.00	5.73	3.46	6.50	1.13	0.56	0.95	0.54	3.55	23.16	32.22	307.29
483500	7771700	256124	0.007	46.58	1.19	21.56	21.27	5.58	4.51	3.60	2.18	4.17	0.73	0.33	0.62	0.32	2.03	44.94	20.92	180.54
483500	7771600	256125	0.006	200.96	1.51	106.51	66.15	20.56	10.27	4.89	2.32	7.77	0.88	0.34	0.96	0.33	2.11	18.25	25.06	468.87
483500	7771500	256126	0	245.27	1.47	124.22	85.44	26.57	15.02	6.22	2.55	10.83	1.05	0.32	1.39	0.33	2.00	7.67	28.14	558.49
483500	7771400	256127	0.013	494.42	1.99	234.03	169.38	51.96	30.07	10.93	3.81	21.19	1.56	0.38	2.45	0.47	2.85	16.10	49.21	1090.78
483500	7771300	256128	0.006	303.60	1.47	148.23	104.33	31.88	17.50	6.77	2.57	12.56	1.03	0.31	1.47	0.34	2.19	10.58	31.67	676.52
483500	7771200	256129	0	299.83	1.42	134.43	93.32	28.81	15.72	6.45	2.57	11.55	1.01	0.34	1.42	0.35	2.36	12.27	30.44	642.32
483500	7771100	256130	0	314.76	1.48	144.90	111.39	34.32	19.12	7.47	2.76	13.77	1.10	0.39	1.63	0.39	2.45	7.67	31.99	695.59

East	North	Sample ID	Au ppm	CeO <sub>2</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	La <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Pr <sub>6</sub> O <sub>11</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>4</sub> O <sub>7</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Sc <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO ppm
483500	7771000	256131	0	103.80	0.80	39.65	32.76	10.11	5.71	4.32	2.93	4.81	0.86	0.57	0.72	0.50	3.60	10.74	22.91	244.77
483500	7770900	256132	0	193.62	1.27	80.79	70.58	21.07	12.38	6.23	3.14	9.44	1.08	0.53	1.23	0.49	3.46	7.67	27.84	440.84
483500	7770800	256133	0	101.06	0.67	36.53	34.98	10.40	6.31	4.03	2.34	5.29	0.73	0.42	0.71	0.39	2.79	7.21	18.07	231.93
483500	7770700	256134	0	237.80	1.04	116.73	74.65	23.58	12.22	5.69	3.01	8.67	1.00	0.56	1.08	0.49	3.51	9.20	31.67	530.90
483600	7771800	256137	0.009	97.66	1.48	49.62	37.95	11.19	7.22	4.82	2.82	5.96	0.97	0.41	0.89	0.42	2.64	26.53	26.95	277.55
483600	7771700	256138	0	146.30	1.55	72.22	52.29	15.50	9.07	5.35	2.73	7.42	1.02	0.35	1.02	0.39	2.32	31.60	29.13	378.27
483600	7771600	256139	0	402.56	1.78	199.45	136.27	42.62	22.79	9.90	3.59	16.91	1.56	0.34	2.16	0.43	2.43	10.43	42.73	895.97
483600	7771500	256140	0	224.47	1.62	116.09	75.79	23.63	12.87	6.01	2.66	9.50	1.05	0.36	1.36	0.37	2.22	11.20	29.59	518.81
483600	7771400	256141	0	175.12	1.04	86.62	58.97	18.30	10.01	4.26	1.73	7.31	0.65	0.24	0.91	0.24	1.58	4.60	20.64	392.21
483600	7771300	256142	0	94.98	0.75	38.22	34.23	10.17	6.55	3.45	1.59	5.11	0.58	0.24	0.69	0.24	1.54	4.91	14.78	218.04
483600	7771200	256143	0	174.21	1.52	84.11	61.11	18.76	10.71	5.07	2.41	8.26	0.87	0.34	1.01	0.35	2.43	19.63	26.62	417.42
483600	7771100	256144	0	194.92	1.48	91.17	61.60	18.91	10.53	6.42	3.34	8.20	1.07	0.59	1.11	0.54	3.66	15.64	35.42	454.57
483600	7771000	256145	0	446.61	1.89	220.11	142.56	45.60	23.42	9.46	3.72	17.24	1.41	0.50	1.99	0.53	3.43	12.27	44.97	975.69
483600	7770900	256146	0.019	271.63	1.44	130.55	86.88	27.18	14.54	6.15	2.66	10.40	1.03	0.44	1.29	0.37	3.22	9.05	31.47	598.32
483700	7773400	256147	0.051	65.72	1.40	36.45	30.12	8.35	5.83	4.51	2.82	5.09	0.94	0.42	0.80	0.42	2.65	26.99	28.35	220.87
483700	7773200	256148	0	62.49	1.48	29.39	30.92	8.16	6.39	5.49	3.52	6.17	1.17	0.53	0.96	0.51	3.35	44.79	33.65	238.97
483700	7773000	256149	0.007	61.54	1.33	31.43	26.28	7.33	5.13	4.41	2.77	4.82	0.90	0.41	0.73	0.41	2.52	30.52	25.49	206.01
483700	7772800	256150	0	44.41	1.12	24.15	21.08	5.80	4.27	3.36	2.08	4.01	0.69	0.30	0.59	0.31	1.97	19.63	20.83	154.58
483700	7772600	256151	0	57.02	1.33	31.48	25.88	7.02	4.79	3.94	2.47	4.37	0.81	0.38	0.67	0.37	2.36	23.01	23.74	189.62
483700	7772400	256152	0	54.13	1.26	30.43	24.88	7.01	4.86	3.78	2.39	4.37	0.78	0.33	0.66	0.34	2.21	20.71	22.55	180.69
483700	7772000	256154	0.089	122.80	1.27	58.52	44.82	13.34	8.30	6.19	3.90	7.12	1.26	0.64	1.09	0.62	4.09	27.76	36.12	337.84
483700	7771900	256155	0.005	64.75	1.40	31.47	28.82	7.88	5.82	4.56	2.71	5.27	0.94	0.38	0.80	0.42	2.55	34.20	25.73	217.69
483700	7771800	256156	0	174.50	1.38	90.13	59.95	18.85	9.98	4.77	2.10	7.42	0.82	0.26	0.98	0.29	1.73	9.66	23.19	406.02
483700	7771700	256157	0	230.14	1.77	118.72	83.93	25.83	14.70	7.38	3.41	11.55	1.32	0.39	1.51	0.46	2.57	21.32	36.56	561.55
483700	7771600	256158	0	360.25	1.75	183.36	121.98	38.02	20.70	9.37	3.66	15.59	1.56	0.40	2.01	0.47	2.63	9.66	43.89	815.29
483700	7771500	256159	0	59.94	1.52	33.12	28.45	7.94	5.65	4.41	2.54	5.14	0.88	0.35	0.78	0.38	2.29	40.65	24.98	219.00
483700	7771400	256160	0	108.08	0.67	47.50	39.27	11.86	7.10	3.34	1.35	5.36	0.52	0.19	0.68	0.18	1.28	4.14	13.68	245.20
483700	7771300	256161	0	175.76	1.04	83.31	60.84	18.70	10.94	4.50	1.78	7.78	0.70	0.27	0.92	0.26	1.78	6.60	21.59	396.76
483700	7771200	256162	0	173.10	1.13	82.68	61.96	19.10	11.34	5.02	2.28	8.43	0.80	0.33	1.04	0.32	2.28	8.90	24.61	403.31
483700	7771100	256163	0	254.91	1.35	124.82	84.43	26.53	14.12	5.84	2.44	9.83	0.93	0.35	1.22	0.31	2.33	5.68	28.04	563.15
483700	7771000	256164	0	400.17	1.69	196.29	131.09	41.65	21.65	8.32	3.26	14.74	1.24	0.48	1.81	0.41	3.01	9.51	39.28	874.58
483900	7773400	256165	0.045	49.64	1.10	24.32	20.77	5.71	4.01	3.22	1.96	3.67	0.68	0.31	0.56	0.29	1.88	17.18	19.16	154.46
483900	7773200	256166	0.06	52.33	1.24	29.51	24.25	6.91	4.45	3.29	2.04	4.03	0.69	0.30	0.59	0.31	1.98	31.75	19.94	183.60
483900	7773000	256167	0	50.89	1.16	24.26	23.46	6.29	4.75	4.23	2.66	4.51	0.88	0.40	0.73	0.39	2.54	34.51	24.78	186.45
483900	7772800	256168	0.009	54.85	1.32	26.53	26.20	6.95	5.31	4.69	2.94	5.09	0.97	0.44	0.80	0.43	2.79	35.12	28.29	202.74
483900	7772600	256169	0	53.74	1.34	26.61	25.78	6.85	5.46	4.75	2.90	5.23	1.01	0.43	0.80	0.43	2.80	35.43	28.22	201.80
483900	7772400	256170	0	51.75	1.16	30.60	24.23	6.93	4.70	4.14	2.50	4.13	0.81	0.39	0.67	0.40	2.57	18.10	23.93	177.01
483900	7772000	256172	0	216.53	1.69	109.50	74.30	22.86	12.51	6.61	3.05	9.57	1.16	0.39	1.27	0.42	2.61	23.47	32.40	518.32
483900	7771900	256173	0	256.85	1.64	129.56	87.69	26.81	14.45	6.84	2.84	10.85	1.13	0.32	1.40	0.37	2.17	24.08	31.18	598.17
483900	7771800	256174	0.055	321.70	1.88	165.85	110.00	34.37	18.02	7.88	3.22	12.94	1.29	0.38	1.65	0.42	2.47	11.81	36.61	730.51
483900	7771700	256175	0	475.07	2.36	240.98	158.14	49.37	24.70	10.44	3.72	17.25	1.60	0.38	2.14	0.48	2.62	9.36	44.23	1042.84
483900	7771600	256176	0	211.55	2.01	121.98	82.31	25.40	14.08	7.59	3.38	10.89	1.32	0.41	1.51	0.46	2.78	14.11	37.17	536.94
483900	7771500	256177	0	483.94	1.97	252.44	157.17	50.11	25.15	11.10	4.15	18.45	1.79	0.47	2.33	0.51	3.13	8.59	49.03	1070.34
483900	7771400	256178	0	228.39	1.42	121.17	78.03	24.28	12.83	5.96	2.38	9.52	0.95	0.28	1.25	0.31	1.90	5.68	27.42	521.77
483900	7771300	256179	0	195.91	1.00	88.19	65.97	20.36	11.69	5.82	2.47	8.66	0.97	0.33	1.19	0.34	2.13	6.14	25.46	436.62
483900	7771200	256180	0	143.55	1.38	73.69	51.47	15.68	8.84	5.43	2.84	6.95	1.01	0.43	0.96	0.40	2.69	21.63	28.99	365.93
484100	7773400	256181	0.008	70.77	1.22	35.66	28.17	8.16	5.57	5.26	3.44	5.31	1.15	0.53	0.87	0.51	3.37	25.00	32.19	227.18
484100	7773200	256182	0.007	57.34	1.33	28.70	27.39	7.32	5.59	4.64	2.78	4.97	0.93	0.40	0.78	0.41	2.64	34.66	27.25	207.12

East	North	Sample ID	Au ppm	CeO <sub>2</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	La <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Pr <sub>6</sub> O <sub>11</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>4</sub> O <sub>7</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Sc <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO ppm
484100	7773000	256183	0	60.06	1.35	25.23	28.05	7.26	6.03	5.61	3.53	5.80	1.17	0.52	0.92	0.54	3.42	41.87	33.04	224.40
484100	7772800	256184	0.006	48.55	1.25	22.80	23.28	6.02	4.87	4.48	2.71	4.70	0.90	0.39	0.73	0.40	2.60	38.50	25.81	187.97
484100	7772600	256185	0.012	61.98	1.25	30.90	26.43	7.31	5.39	4.28	2.66	4.90	0.87	0.38	0.75	0.38	2.45	25.61	25.34	200.89
484100	7772400	256186	0.015	102.99	1.44	51.78	38.20	11.37	7.25	5.93	3.65	6.22	1.25	0.56	1.00	0.56	3.64	28.53	34.64	299.00
484100	7772200	256187	0.139	107.19	1.26	54.21	40.65	12.12	7.24	5.31	3.06	6.21	1.05	0.44	0.94	0.46	2.93	29.30	30.24	302.60
484100	7772000	256188	0	200.11	1.44	102.79	67.37	20.82	10.91	5.38	2.42	8.14	0.93	0.31	1.08	0.33	1.99	18.25	26.26	468.54
484100	7771900	256189	0	271.74	1.85	149.06	93.72	29.15	15.04	7.32	3.17	11.02	1.25	0.40	1.43	0.43	2.65	15.80	35.65	639.69
484100	7771800	256190	0	350.42	1.74	177.41	117.44	36.92	19.08	8.58	3.29	13.87	1.36	0.39	1.78	0.42	2.55	7.21	37.53	779.98
484100	7771700	256191	0.006	370.71	1.75	193.87	120.70	38.34	19.12	8.42	3.42	13.77	1.36	0.44	1.79	0.46	2.80	8.28	38.67	823.91
484100	7771600	256192	0	374.51	1.63	172.47	135.51	41.67	23.66	10.43	3.73	17.30	1.65	0.39	2.22	0.46	2.54	6.90	39.98	835.04
484100	7771500	256193	0	189.03	1.70	97.88	67.52	20.64	11.20	6.24	2.89	8.56	1.07	0.39	1.16	0.41	2.45	24.54	30.68	466.37
484300	7773400	256194	0.006	53.25	1.03	27.78	21.33	6.05	4.22	3.79	2.40	3.80	0.79	0.39	0.61	0.37	2.51	18.25	22.72	169.29
484300	7773200	256195	0	72.72	1.23	34.33	30.90	8.43	5.82	4.51	2.76	5.27	0.93	0.41	0.78	0.40	2.60	43.25	26.39	240.71
484300	7773000	256196	0.016	71.44	1.29	38.70	28.25	8.05	5.40	4.53	2.89	5.01	0.96	0.41	0.76	0.42	2.73	30.37	27.34	228.57
484300	7772800	256197	0.005	49.71	1.11	24.72	23.30	6.22	4.68	4.10	2.54	4.30	0.85	0.39	0.69	0.39	2.44	32.67	23.91	182.03
484300	7772600	256198	0.029	50.76	1.01	25.98	20.45	5.80	4.00	3.56	2.24	3.64	0.73	0.36	0.59	0.35	2.31	18.71	20.80	161.29
484300	7772400	256199	0.09	133.18	1.31	65.72	48.80	14.63	8.74	6.61	4.11	7.55	1.33	0.71	1.13	0.65	4.38	26.99	38.39	364.24
484300	7772200	256200	0.024	261.13	1.59	131.63	86.14	26.95	14.55	7.13	3.02	10.95	1.19	0.35	1.43	0.40	2.37	14.88	32.83	596.54
484300	7772000	256201	0	198.09	1.26	92.71	68.66	20.99	11.56	5.51	2.21	8.73	0.90	0.28	1.14	0.29	1.80	6.60	23.54	444.27
484300	7771900	256202	0	470.23	1.95	243.70	159.37	49.69	26.15	10.85	3.38	18.67	1.64	0.27	2.39	0.39	2.06	6.60	43.84	1041.18
484300	7771800	256203	0	426.38	1.89	199.15	144.40	44.87	23.89	10.50	3.69	17.40	1.63	0.36	2.25	0.42	2.38	5.21	41.15	925.57
479894	7770827	RS10001	0.002	236.46	1.45	110.59	74.30	23.20	11.55	4.79	2.25	7.73	0.82	0.39	0.99	0.32	2.30	6.44	0.03	483.61
479800	7770900	RS10002	0.001	66.09	0.90	31.43	23.68	7.04	3.99	2.77	1.64	3.20	0.56	0.28	0.47	0.25	1.79	14.72	0.02	158.83
479900	7770900	RS10003	-0	227.86	1.27	107.07	71.62	22.59	11.07	4.17	1.81	7.41	0.70	0.31	0.92	0.26	1.81	4.75	0.02	463.65
480000	7770900	RS10004	0.001	267.79	1.39	123.14	81.88	25.37	12.23	4.71	2.09	8.13	0.82	0.38	1.00	0.31	2.21	6.14	0.03	537.60
480100	7770900	RS10005	-0	250.59	1.41	114.93	76.40	23.74	11.77	4.83	2.40	7.86	0.86	0.43	1.01	0.37	2.64	7.52	0.03	506.79
480200	7770900	RS10006	0.006	277.61	1.38	126.66	84.56	26.70	13.05	4.95	2.15	8.55	0.82	0.36	1.04	0.32	2.16	5.83	0.03	556.17
480300	7770900	RS10007	0.018	459.41	1.64	198.79	139.38	43.01	20.76	6.40	2.21	12.74	0.97	0.32	1.49	0.30	1.94	4.75	0.03	894.14
479900	7771000	RS10008	0.002	294.81	1.35	134.28	88.76	27.67	12.93	4.51	1.99	8.28	0.77	0.33	0.99	0.29	1.98	6.29	0.03	585.25
480100	7771000	RS10009	0.001	456.95	1.93	194.09	140.55	43.74	21.39	7.56	3.17	13.77	1.26	0.52	1.62	0.47	3.22	9.05	0.04	899.35
480400	7770900	RS10010	0.001	468.01	1.76	202.30	139.38	43.61	21.51	7.46	3.13	13.60	1.24	0.51	1.66	0.45	3.17	8.13	0.04	915.96
480500	7770900	RS10011	0.001	429.93	1.73	194.68	135.30	42.04	20.70	7.55	3.18	13.37	1.25	0.55	1.62	0.47	3.32	9.66	0.04	865.39
480600	7770900	RS10012	0.001	412.73	1.83	182.37	124.80	39.27	19.25	7.54	3.41	12.79	1.29	0.56	1.58	0.50	3.53	9.51	0.04	821.00
480700	7770900	RS10013	0.001	531.89	2.10	231.04	159.79	50.50	24.82	8.06	3.14	15.68	1.31	0.50	1.86	0.45	3.04	12.27	0.04	1046.47
480800	7770900	RS10014	-0	638.75	2.61	327.20	228.61	72.01	33.40	10.15	3.66	21.04	1.57	0.57	2.38	0.49	3.36	13.19	0.05	1359.02
480700	7771000	RS10015	0.001	507.32	1.98	224.59	156.30	49.29	24.35	8.34	3.14	15.62	1.29	0.47	1.83	0.43	2.92	7.06	0.04	1004.97
480500	7771000	RS10016	0.002	292.35	1.66	140.15	96.69	28.88	15.42	5.62	2.56	10.10	0.99	0.49	1.26	0.39	2.70	6.44	0.03	605.72
480282	7771007	RS10017	0.003	273.93	1.52	130.18	89.58	26.82	14.26	5.02	2.20	9.59	0.86	0.40	1.16	0.32	2.22	6.29	0.03	564.36
479800	7771000	RS10018	0.001	42.13	0.90	21.11	18.08	4.87	3.40	2.66	1.65	2.90	0.54	0.31	0.46	0.26	1.79	14.26	0.02	115.34
479900	7771000	RS10019	0.001	209.44	1.23	96.17	66.72	20.12	10.52	4.01	1.84	7.01	0.72	0.34	0.88	0.27	1.91	6.14	0.02	427.33
480100	7771100	RS10020	0.001	348.86	1.98	161.84	116.17	34.43	18.21	6.71	3.30	11.87	1.20	0.63	1.49	0.50	3.50	10.58	0.04	721.32
480200	7771100	RS10021	0.002	582.25	2.28	277.95	191.87	57.03	28.06	8.02	3.21	17.35	1.31	0.53	1.93	0.47	3.06	9.51	0.04	1184.87
480300	7771100	RS10022	0.001	561.37	2.23	263.87	184.87	54.85	28.29	8.65	3.53	17.64	1.42	0.58	2.03	0.51	3.34	7.67	0.04	1140.91
480400	7771100	RS10023	0.001	324.29	1.86	155.39	108.36	32.02	16.99	6.37	2.92	11.46	1.11	0.55	1.40	0.45	3.07	8.28	0.04	674.55
480500	7771100	RS10024	0.001	310.78	1.69	145.42	104.97	31.17	17.05	6.05	2.46	11.35	1.00	0.44	1.39	0.37	2.46	7.06	0.03	643.68
480600	7771100	RS10025	0.001	265.33	1.61	124.90	90.74	26.94	14.55	5.30	2.26	9.83	0.89	0.41	1.20	0.34	2.23	6.14	0.03	552.72
480700	7771100	RS10026	0.001	353.77	1.57	162.43	115.70	34.07	18.50	6.36	2.72	12.04	1.07	0.49	1.46	0.41	2.76	7.52	0.03	720.90
480800	7771100	RS10027	0.001	396.76	1.74	178.85	126.55	37.82	20.29	6.52	2.56	12.97	1.05	0.45	1.56	0.37	2.52	5.98	0.03	796.03



East	North	Sample ID	Au ppm	CeO <sub>2</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	La <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Pr <sub>6</sub> O <sub>11</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>4</sub> O <sub>7</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Sc <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO ppm
480900	7771100	RS10028	0.001	470.47	1.89	218.72	152.21	45.06	23.66	6.92	2.48	14.93	1.09	0.40	1.69	0.34	2.19	5.21	0.03	947.29
479805	7771097	RS10029	0.001	74.69	0.85	36.94	24.73	7.43	4.17	2.49	1.52	3.18	0.52	0.32	0.46	0.25	1.83	9.36	0.02	168.75
479906	7771115	RS10030	0.001	351.31	1.90	170.05	116.29	34.92	17.92	6.06	2.74	11.53	1.05	0.52	1.38	0.42	2.90	8.74	0.03	727.77
480000	7771100	RS10031	0.004	724.74	2.86	358.87	257.77	76.36	39.43	10.85	3.68	24.78	1.63	0.53	2.74	0.49	3.06	8.90	0.05	1516.73
479900	7771200	RS10032	0.005	256.73	1.47	124.31	85.38	25.37	13.22	5.11	2.57	8.55	0.92	0.51	1.09	0.40	2.85	10.12	0.03	538.64
480100	7771200	RS10033	0.001	577.34	2.58	287.33	210.53	62.34	32.35	9.89	4.11	20.23	1.64	0.68	2.33	0.59	3.92	11.20	0.05	1227.11
480300	7771200	RS10034	0.001	434.84	2.01	202.89	145.21	43.13	22.38	8.30	3.98	14.70	1.49	0.71	1.81	0.59	4.02	10.43	0.05	896.54
480500	7771200	RS10035	-0	426.25	1.91	196.44	138.80	40.96	21.86	7.05	2.98	14.00	1.17	0.56	1.65	0.43	3.06	7.52	0.04	864.67
480700	7771200	RS10036	0.003	346.40	1.78	160.08	114.19	34.07	18.50	8.11	4.12	13.02	1.48	0.82	1.71	0.66	4.57	13.96	0.05	723.51
479722	7771300	RS10037	0.001	67.44	1.22	31.90	26.36	7.25	4.68	3.53	2.17	4.02	0.73	0.39	0.62	0.34	2.30	16.87	0.02	169.86
479800	7771300	RS10038	-0	57.49	0.98	28.15	20.18	5.88	3.56	2.89	1.99	2.99	0.62	0.44	0.49	0.34	2.41	20.25	0.02	148.69
479900	7771300	RS10039	0.002	78.74	1.19	40.81	29.98	8.78	5.09	3.90	2.64	4.15	0.84	0.59	0.67	0.45	3.23	17.49	0.03	198.58
480000	7771300	RS10040	0.001	326.75	1.75	154.22	108.12	31.90	17.10	6.01	2.79	11.08	1.07	0.51	1.34	0.42	2.89	9.20	0.03	675.19
480100	7771300	RS10041	0.001	442.21	2.33	210.51	146.96	43.61	23.02	7.63	3.40	14.75	1.29	0.59	1.76	0.49	3.35	13.34	0.04	915.31
480200	7771300	RS10042	0.003	348.86	1.69	169.47	115.12	34.31	17.28	5.10	2.23	10.53	0.85	0.42	1.22	0.34	2.32	9.36	0.03	719.13
480300	7771300	RS10043	0.001	456.95	2.07	211.10	153.96	46.15	24.82	8.83	3.82	16.42	1.51	0.65	2.00	0.57	3.79	10.43	0.05	943.13
480400	7771300	RS10044	0.001	452.04	1.88	211.69	148.13	44.34	23.31	7.26	2.86	14.93	1.17	0.45	1.75	0.40	2.60	6.90	0.04	919.74
480500	7771300	RS10045	-0	487.66	1.86	216.96	160.38	47.36	25.74	8.16	3.22	16.48	1.34	0.53	1.96	0.46	3.07	8.74	0.04	983.99
480600	7771300	RS10046	0.001	577.34	2.36	288.50	204.12	61.01	32.35	9.30	3.18	20.63	1.43	0.47	2.33	0.41	2.62	6.60	0.04	1212.68
480700	7771300	RS10047	0.001	552.77	2.26	258.01	181.37	53.76	28.29	8.70	3.27	18.56	1.36	0.55	2.14	0.46	3.02	9.36	0.04	1123.92
480800	7771300	RS10048	-0	572.42	2.35	266.22	191.29	56.66	30.85	9.12	3.11	19.54	1.37	0.47	2.27	0.41	2.66	7.21	0.04	1165.99
479800	7771400	RS10049	0.002	70.39	1.04	32.60	25.89	7.54	4.38	2.93	1.96	3.43	0.63	0.42	0.53	0.33	2.33	15.03	0.02	169.46
479900	7771400	RS10050	0.005	79.35	1.00	39.17	27.18	8.11	4.23	2.41	1.53	2.95	0.50	0.33	0.44	0.25	1.86	12.12	0.02	181.44
480000	7771400	RS10051	0.002	94.83	1.18	51.02	34.52	9.96	5.51	3.67	2.44	3.95	0.79	0.49	0.64	0.39	2.78	20.25	0.03	232.43
480100	7771400	RS10052	0.001	265.33	1.66	138.39	92.61	26.58	14.21	5.57	2.72	8.99	1.02	0.49	1.18	0.42	2.82	12.42	0.03	574.43
480300	7771400	RS10053	0.002	95.32	0.95	52.54	31.96	9.45	4.96	2.69	1.64	3.35	0.56	0.33	0.49	0.26	1.91	17.49	0.02	223.92
480500	7771400	RS10054	0.003	375.88	1.64	189.99	124.22	36.12	19.13	6.27	2.69	11.70	1.05	0.50	1.46	0.39	2.73	8.59	0.03	782.40
480700	7771400	RS10055	0.001	293.58	1.38	137.80	94.83	27.43	14.61	5.68	2.88	8.99	1.03	0.57	1.19	0.46	3.23	10.89	0.03	604.58
480000	7771000	RS10056	0.002	289.90	1.62	145.42	97.74	27.91	14.84	6.07	3.01	9.42	1.10	0.56	1.25	0.47	3.23	10.43	0.03	613.00
480200	7771000	RS10057	0.001	218.04	1.51	113.41	76.40	21.87	12.35	5.37	2.74	8.00	1.01	0.51	1.13	0.42	2.93	8.59	0.03	474.30
480400	7771000	RS10058	0.001	336.57	1.41	170.64	116.29	33.35	18.15	5.65	2.00	11.03	0.89	0.30	1.33	0.26	1.72	3.99	0.03	703.60
480600	7771000	RS10059	0.001	189.78	1.11	94.41	63.92	18.42	10.04	4.09	2.05	6.51	0.76	0.38	0.86	0.31	2.15	5.98	0.02	400.79
480800	7771000	RS10060	-0	305.87	1.27	148.36	98.09	28.03	15.07	5.36	2.30	9.28	0.92	0.39	1.19	0.33	2.27	5.37	0.03	624.11
480800	7771200	RS10061	-0	401.68	1.68	192.33	137.63	38.90	21.74	7.35	3.01	13.43	1.24	0.49	1.72	0.42	2.86	8.13	0.04	832.64
480600	7771200	RS10062	-0	264.10	1.54	134.87	90.86	26.10	14.61	5.66	2.63	9.49	1.01	0.49	1.23	0.40	2.74	8.74	0.03	564.50
480400	7771200	RS10063	-0	468.01	2.19	239.25	160.96	46.51	24.93	8.75	3.74	15.45	1.50	0.61	1.96	0.53	3.55	10.12	0.04	988.11
480200	7771200	RS10064	0.002	249.36	1.49	121.97	83.16	23.92	12.87	6.23	3.56	8.40	1.23	0.64	1.20	0.55	3.76	11.81	0.04	530.19
480000	7771200	RS10065	-0	413.96	1.98	205.82	143.46	40.96	22.67	8.68	3.84	14.35	1.51	0.65	1.86	0.57	3.84	11.04	0.04	875.24
480200	7771400	RS10066	-0	474.15	2.12	236.90	161.54	46.64	24.93	8.87	3.90	15.33	1.56	0.63	1.95	0.57	3.72	11.66	0.05	994.52
480400	7771400	RS10067	-0	265.33	1.38	133.70	93.54	26.82	14.84	6.70	3.59	9.59	1.28	0.66	1.34	0.56	3.95	11.96	0.04	575.29
480600	7771400	RS10068	0.001	454.50	1.93	226.93	156.30	44.58	24.35	7.67	2.80	14.98	1.23	0.43	1.83	0.37	2.52	9.51	0.04	949.96
480800	7771400	RS10069	-0	560.14	2.15	270.91	191.87	54.61	29.80	9.07	3.09	18.21	1.39	0.44	2.20	0.40	2.55	6.90	0.04	1153.77
479906	7771475	RS10070	0.001	66.95	0.00	31.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.49	0.02	113.66
480000	7771500	RS10071	0.001	71.37	0.00	32.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.47	0.02	125.23
480100	7771500	RS10072	0.001	209.44	0.00	108.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.12	0.03	329.60
480200	7771500	RS10073	0.001	211.89	0.00	106.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.58	0.03	329.23
480300	7771500	RS10074	0.001	195.93	0.00	97.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.90	0.03	302.07
480400	7771500	RS10075	0.001	188.56	0.00	86.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.29	0.02	281.77



East	North	Sample ID	Au ppm	CeO <sub>2</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	La <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Pr <sub>6</sub> O <sub>11</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>4</sub> O <sub>7</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Sc <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO ppm	
480500	7771500	RS10076	0.001	280.07	0.00	137.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.04	0.04	428.95
480600	7771500	RS10077	0.001	318.15	0.00	155.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.36	0.03	481.52
480700	7771500	RS10078	-0	450.81	0.00	212.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.06	0.04	670.18
480800	7771500	RS10079	0.001	509.78	0.00	243.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.97	0.05	763.73
480900	7771500	RS10080	0.001	454.50	0.00	216.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.60	0.04	678.09
480800	7771600	RS10081	0.001	234.01	0.00	118.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.75	0.03	359.23
480600	7771600	RS10082	0.003	273.93	0.00	139.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.52	0.03	421.03
480400	7771600	RS10083	0.001	409.05	0.00	200.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.74	0.04	618.37
480200	7771600	RS10084	-0	101.34	0.00	51.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.82	0.02	162.55
480232	7771700	RS10085	0.003	30.22	0.00	15.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.71	0.01	64.19
480300	7771700	RS10086	-0	88.07	0.00	48.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.80	0.03	150.46
480400	7771700	RS10087	0.001	283.75	0.00	137.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.36	0.03	428.95
480500	7771700	RS10088	-0	232.78	0.00	115.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	0.03	355.12
480589	7771700	RS10089	0.001	208.82	0.00	100.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.21	0.03	316.80
480700	7771700	RS10090	-0	350.09	0.00	165.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.36	0.04	522.85
480800	7771700	RS10091	-0	335.35	0.00	165.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.82	0.03	509.15
480900	7771700	RS10092	0.002	277.61	0.00	139.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.20	0.03	428.40
480800	7771800	RS10093	0.001	342.72	0.00	161.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.43	0.04	514.44
480600	7771800	RS10094	-0	234.01	0.00	121.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.26	0.04	369.69
480400	7771800	RS10095	0.001	320.61	0.00	154.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.18	0.03	490.04
480900	7771900	RS10096	-0	337.80	0.00	154.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.36	0.04	501.42
480800	7771900	RS10097	-0	427.47	0.00	214.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.51	0.05	651.06
480700	ID+A1:U4	RS10098	0.017	309.55	0.00	151.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.75	0.03	467.62
480600	7771887	RS10099	0.002	137.58	0.00	74.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.64	0.03	229.72
480500	7771900	RS10100	0.001	108.10	0.00	49.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.71	0.03	176.45
480400	7771900	RS10101	0.001	69.16	0.00	36.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.01	0.03	129.02
480300	7771900	RS10102	0.001	76.28	0.00	58.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.07	0.05	162.92
480200	7771900	RS10103	0.001	44.96	0.00	21.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.38	0.03	92.59
480219	7772006	RS10104	0.002	57.98	0.00	29.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.03	112.33
480400	7772000	RS10105	0.002	83.90	0.00	39.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.79	0.03	143.59
480600	7772000	RS10106	0.001	197.15	0.00	99.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.48	0.03	315.88
480800	7772000	RS10107	0.001	276.38	0.00	136.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.35	0.03	423.80
480900	7772100	RS10108	0.001	136.35	0.00	67.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.63	0.03	225.09
480800	7772100	RS10109	0.001	80.34	0.00	37.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.48	0.04	162.27
480700	7772100	RS10110	0.001	68.91	0.00	32.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.65	0.03	139.85
480600	7772100	RS10111	0.002	87.95	0.00	41.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.75	0.03	161.60
480500	7772100	RS10112	0.001	68.05	0.00	31.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.31	0.03	122.70
480400	7772100	RS10113	-0	57.49	0.00	29.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.16	0.02	109.76
480292	7772100	RS10114	0.002	39.43	0.00	19.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.76	0.02	87.15
480200	7772100	RS10115	0.002	61.54	0.00	29.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.08	0.03	114.73
480400	7772200	RS10116	0.002	46.19	0.00	19.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.61	0.03	118.41
480600	7772200	RS10117	0.006	46.19	0.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.38	0.02	93.58
480800	7772200	RS10118	0.001	146.18	0.00	70.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.85	0.03	241.07
481000	7772200	RS10119	0.001	273.93	0.00	137.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.34	0.03	426.51
481100	7772200	RS10120	0.003	151.70	0.00	68.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.98	0.03	251.33
480900	7772200	RS10121	0.003	67.93	0.00	33.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.41	0.02	119.78
480700	7772200	RS10122	0.003	56.38	0.00	23.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.49	0.03	120.48
480500	7772200	RS10123	0.001	53.80	0.00	22.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.93	0.03	122.81

East	North	Sample ID	Au ppm	CeO <sub>2</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	La <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Pr <sub>6</sub> O <sub>11</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>4</sub> O <sub>7</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Sc <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	TREO ppm	
480300	7772200	RS10124	0.002	50.24	0.00	23.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.27	0.02	110.64
480300	7772000	RS10125	0.001	75.18	0.00	42.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.79	0.03	135.46
480500	7772000	RS10126	0.001	85.13	0.00	40.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.46	0.03	153.54
480700	7772000	RS10127	0.011	260.42	0.00	127.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.85	0.04	411.14
480900	7772000	RS10128	0.003	84.76	0.00	39.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.55	0.04	172.10
480900	7771800	RS10129	0.002	400.45	0.00	176.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.51	0.04	586.50
480700	7771800	RS10130	0.004	418.88	0.00	198.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.51	0.04	627.21
480500	7771800	RS10131	0.001	196.54	0.00	93.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.72	0.02	305.23
480300	7771800	RS10132	0.004	74.81	0.00	37.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.71	0.02	130.83
480300	7771600	RS10133	0.005	216.81	0.00	98.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.66	0.02	327.35
480500	7771600	RS10134	0.001	412.73	0.00	188.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.97	0.03	611.55
480700	7771600	RS10135	0.004	276.38	0.00	132.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.60	0.02	415.53
480900	7771600	RS10136	0.001	362.37	0.00	169.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.82	0.03	539.69
480900	7771400	RS10137	0.003	491.35	0.00	218.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.66	0.03	719.77
480900	7771300	RS10138	0.002	400.45	0.00	180.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.51	0.03	590.59
480900	7771200	RS10139	0.004	455.73	0.00	212.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.43	0.04	679.05

**TABLE 2. AU AND REE STREAM SAMPLING RESULTS**

SampleID ID	North	East	Au ppm	CeO <sub>2</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	La <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Pi <sub>2</sub> O <sub>3</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Ho <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>3</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Sc <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	% TReO ppm	% Nd <sub>2</sub> O <sub>3</sub> ppm	% Pr <sub>2</sub> O <sub>3</sub> ppm
SRS10163	7770461	482482	0.19	11227.34	37.17	5007.74	3650.77	1118.76	596.04	152.07	36.71	381.52	19.47	2.25	99.52	3.41	15.09	11.35	513.06	2.28%	0.37%	0.11%
SRS10149	7769840	479836	0.00	7689.62	29.64	3952.24	2647.68	811.89	400.07	99.39	29.27	253.58	13.92	2.33	26.70	3.07	16.40	9.51	298.44	1.63%	0.26%	0.08%
SRS10164	7771341	480761	0.00	7812.46	26.75	3283.76	2484.39	797.39	389.63	106.39	26.41	251.27	14.09	1.68	27.29	2.51	11.50	15.34	386.06	1.56%	0.25%	0.08%
SRS10164	7770813	482684	0.11	5785.64	19.11	2122.72	1907.03	506.22	245.84	69.78	18.87	160.21	9.57	1.38	17.47	1.91	9.38	21.62	271.77	1.12%	0.19%	0.05%
SRS13008	777098.7	482673.46	0.45	4544.98	18.76	2110.99	1452.14	478.43	250.48	70.47	18.52	157.91	9.40	1.17	17.47	1.72	8.62	21.63	283.20	0.94%	0.15%	0.05%
SRS13012	7771008.7	482807.46	6.28	3795.67	20.15	1993.71	1189.71	459.10	250.48	72.88	19.90	163.10	9.85	1.41	18.11	1.92	9.93	14.57	299.71	0.83%	0.12%	0.05%
SRS10158	7770423	480035	0.00	3844.81	14.65	2052.35	1230.53	469.98	216.85	55.43	14.47	134.86	7.37	1.24	14.11	1.52	7.99	11.20	215.25	0.83%	0.12%	0.05%
SRS10150	7769608	479999	0.00	3832.53	16.67	1970.26	1283.02	403.53	189.60	50.84	16.47	118.72	7.58	1.59	12.82	1.93	11.39	8.28	192.40	0.81%	0.13%	0.04%
SRS13010	7770914.7	482366.46	0.00	3586.85	17.83	1970.26	1213.04	447.02	237.72	66.68	17.61	153.30	8.96	1.02	16.76	1.60	7.87	21.63	274.31	0.80%	0.12%	0.04%
SRS10156	7770018	480132	0.00	3685.12	12.51	1688.79	1195.54	376.95	173.94	45.68	12.35	108.83	6.16	1.10	11.36	1.32	6.88	12.42	185.41	0.75%	0.12%	0.04%
SRS10141	7770451	479917	0.00	3451.73	15.63	1770.89	1151.22	355.20	169.88	45.56	15.44	108.23	6.96	1.57	11.73	1.80	10.36	7.52	178.43	0.73%	0.12%	0.04%
SRS13005	7769929.8	482483.46	0.06	3525.43	10.44	1759.16	1075.40	368.49	166.98	39.60	10.31	99.36	5.26	0.74	10.17	1.03	5.10	14.80	154.30	0.72%	0.11%	0.04%
SRS10159	7771001	480360	0.00	3427.16	11.98	1465.97	1061.41	351.04	158.29	44.65	11.84	100.97	5.99	1.00	11.13	1.22	6.41	13.80	175.25	0.68%	0.11%	0.05%
SRS10162	7770143	482285	0.01	2825.26	12.27	1465.97	1042.74	327.41	154.81	43.15	12.12	99.47	5.90	1.11	10.80	1.32	7.20	14.26	177.16	0.62%	0.10%	0.03%
SRS10140	7770801	479955	0.00	2702.42	15.75	1383.87	898.11	283.92	139.73	43.73	15.55	92.44	6.30	1.63	10.46	1.90	11.05	10.43	130.80	0.57%	0.09%	0.03%
SRS10152	7769636	480099	0.23	2776.12	9.52	1219.68	844.46	265.80	122.92	32.71	9.40	77.34	4.57	0.91	8.23	1.03	5.73	11.04	135.88	0.55%	0.08%	0.05%
SRS10155	7769713	480490	0.00	2284.77	8.86	1419.06	977.43	305.67	139.73	34.32	8.75	86.33	4.60	0.68	8.87	0.89	4.46	7.52	130.80	0.54%	0.10%	0.03%
SRS13006	7769641.8	482412.46	0.14	2419.90	7.98	1196.23	838.63	248.88	114.69	27.77	7.88	67.31	3.76	0.77	7.08	0.82	4.78	9.05	114.80	0.51%	0.08%	0.02%
SRS13007	7770617.7	482565.46	0.42	1916.26	10.17	1043.77	809.47	238.01	126.40	36.38	10.04	79.76	4.88	0.82	8.97	1.01	5.48	8.28	144.77	0.44%	0.08%	0.02%
SRS13009	7770875.7	482530.46	0.00	1989.97	8.21	903.04	681.17	199.95	101.81	29.27	8.11	64.89	4.01	0.58	7.28	0.79	4.22	15.49	120.90	0.41%	0.07%	0.02%
SRS10157	7770062	480360	0.00	2346.19	7.11	774.03	541.20	170.96	81.06	22.32	7.02	51.98	3.20	0.81	5.52	0.82	4.96	11.35	95.50	0.41%	0.05%	0.02%
SRS10147	7769768	480385	0.01	2112.80	7.28	785.76	561.03	175.18	82.91	23.41	7.19	52.67	3.31	0.83	5.66	0.86	5.20	11.66	98.80	0.39%	0.06%	0.02%
SRS10154	7770287	479814	0.01	1609.17	12.97	831.50	542.37	169.14	82.68	28.69	12.81	56.02	4.85	1.71	6.37	1.82	11.50	11.81	90.67	0.35%	0.05%	0.02%
SRS10153	7769690	480202	0.01	1363.49	6.89	774.03	529.54	166.12	77.35	21.40	6.80	49.10	3.07	0.80	5.10	0.83	4.95	10.28	96.13	0.31%	0.05%	0.02%
SRS10165	7770845	482946	1.10	1535.47	7.01	586.39	412.90	129.27	67.14	21.92	6.92	45.18	3.13	0.72	5.14	0.82	4.68	21.63	96.13	0.29%	0.04%	0.01%
SRS10581	7771369	482042	0.00	1277.51	8.39	609.84	499.21	155.25	85.58	27.66	8.29	56.48	4.00	0.78	6.73	0.94	5.06	8.74	115.69	0.29%	0.05%	0.02%
SRS13011	7770853.7	482911.45	0.02	1277.51	6.50	574.66	436.23	129.27	67.37	20.60	6.11	44.03	2.84	0.57	5.02	0.64	3.83	8.90	83.82	0.27%	0.04%	0.01%
SRS13002	7770756.7	483046.45	0.02	1252.94	6.18	586.39	447.89	135.50	67.37	20.60	6.11	44.03	2.84	0.57	5.02	0.64	3.83	8.90	83.82	0.27%	0.04%	0.01%
SRS13003	7770484.7	482876.46	0.01	1192.75	5.88	609.84	450.22	133.31	64.01	18.13	5.81	39.42	2.55	0.64	4.42	0.64	3.92	9.51	75.05	0.26%	0.05%	0.01%
SRS10148	7776991.7	482876.46	0.01	1289.79	4.81	462.07	316.09	100.04	49.28	14.29	4.75	31.24	2.10	0.58	3.43	0.33	3.54	10.12	62.99	0.24%	0.03%	0.01%
SRS10577	7771621	482728	0.01	786.16	6.50	397.57	299.76	93.03	52.18	18.13	6.41	34.46	2.88	0.72	4.23	0.77	4.50	10.12	84.70	0.18%	0.03%	0.01%
SRS13013	7771406.7	483249.45	0.00	773.88	5.09	336.59	253.10	77.56	41.28	14.92	5.03	27.89	2.22	0.44	3.47	0.54	3.06	16.41	68.32	0.16%	0.03%	0.01%
SRS10148	7770265	479802	0.01	578.56	3.47	273.26	185.45	55.45	28.18	8.92	3.43	18.27	1.40	0.53	2.07	0.46	3.14	9.97	41.15	0.12%	0.02%	0.01%
SRS10578	7771449	482394	0.01	503.63	4.90	232.80	180.21	54.73	31.43	11.94	4.84	21.09	1.96	0.71	2.66	0.66	4.16	10.12	59.56	0.11%	0.02%	0.01%
SRS13000	7771020.7	483178.45	0.01	496.26	4.03	239.25	174.96	52.92	28.64	10.81	3.98	19.42	1.62	0.51	2.45	0.49	3.17	9.20	51.05	0.11%	0.02%	0.01%
SRS10580	7771411	482214	0.01	447.13	3.98	206.99	154.55	46.64	27.25	9.97	3.93	18.50	1.60	0.61	2.27	0.51	3.46	8.59	48.64	0.10%	0.02%	0.00%
SRS10579	7771372	482446	0.09	429.93	4.15	201.72	148.71	45.06	25.98	9.79	4.09	17.23	1.62	0.64	2.21	0.59	3.88	9.97	51.18	0.10%	0.01%	0.00%
SRS13004	7770329.7	482575.46	0.06	416.42	3.09	202.30	141.72	42.53	21.51	7.23	3.05	13.60	1.19	0.48	1.66	0.40	2.69	10.74	36.70	0.09%	0.01%	0.00%
SRS13001	7770807.7	483116.45	0.01	251.82	2.41	120.80	87.60	26.10	14.32	5.45	2.38	9.52	0.89	0.32	1.20	0.30	1.97	5.83	26.29	0.06%	0.01%	0.00%
SRS10143	7769489	479127	0.00	137.58	6.46	59.11	68.00	17.64	13.74	10.72	6.38	11.99	2.14	1.01	1.81	0.93	6.23	28.53	62.35	0.04%	0.01%	0.00%
SRS10144	7769996	479486	0.00	129.59	3.96	61.34	45.61	13.23	7.64	6.01	3.91	6.39	1.24	0.76	1.00	0.61	4.40	24.39	39.37	0.03%	0.00%	0.00%
SRS10591	7764395	482396	0.83	96.67	4.78	38.35	46.77	12.06	10.18	7.72	4.72	8.75	1.60	0.72	1.35	0.67	4.46	46.47	51.81	0.03%	0.00%	0.00%
SRS10151	7771014	479424	0.00	127.75	3.11	64.85	45.49	13.11	7.15	4.80	3.08	5.66	0.99	0.58	0.84	0.47	3.47	16.87	32.13	0.03%	0.00%	0.00%
SRS10590	7764582	482412	0.02	89.30	4.75	35.42	43.97	11.26	9.65	7.76	4.69	8.59	1.60	0.73	1.32	0.71	4.37	44.02	51.05	0.03%	0.00%	0.00%
SRS10592	7764544	482669	0.02	86.48	4.81	34.95	43.16	10.98	9.43	7.67	4.75	8.43	1.59	0.78	1.29	0.71	4.44	37.27	51.81	0.03%	0.00%	0.00%
SRS10585	7764167	483387	0.03	76.53	4.75	28.73	42.81	10.41	9.66	7.59	4.69	8.45	1.59	0.72	1.33	0.67	4.36	48.16	50.80	0.03%	0.00%	0.00%
SRS10576	7771770	482926	0.07	114.36	2.03	48.32	45.37	12.99	8.44	6.22	4.33	6.22	0.78	0.28	0.84	0.30	1.81	28.22	21.33	0.03%	0.00%	0.00%

Sample ID	North	East	Au ppm	CeO <sub>2</sub> ppm	Eu <sub>2</sub> O <sub>3</sub> ppm	La <sub>2</sub> O <sub>3</sub> ppm	Nd <sub>2</sub> O <sub>3</sub> ppm	Pr <sub>6</sub> O <sub>11</sub> ppm	Sm <sub>2</sub> O <sub>3</sub> ppm	Dy <sub>2</sub> O <sub>3</sub> ppm	Er <sub>2</sub> O <sub>3</sub> ppm	Gd <sub>2</sub> O <sub>3</sub> ppm	Hf <sub>2</sub> O <sub>3</sub> ppm	Lu <sub>2</sub> O <sub>3</sub> ppm	Tb <sub>2</sub> O <sub>7</sub> ppm	Tm <sub>2</sub> O <sub>3</sub> ppm	Yb <sub>2</sub> O <sub>3</sub> ppm	Sc <sub>2</sub> O <sub>3</sub> ppm	Y <sub>2</sub> O <sub>3</sub> ppm	% TREO ppm	% Nd <sub>2</sub> O <sub>3</sub> ppm	% Pr <sub>6</sub> O <sub>11</sub> ppm
SRS10588	7764919	482796	1.20	81.81	4.65	32.37	41.64	10.54	8.93	7.39	4.60	7.99	1.53	0.73	1.26	0.65	4.33	40.65	48.51	0.03%	0.00%	0.00%
SRS10594	7763462	482448	0.04	85.49	4.28	32.72	40.59	10.45	8.77	6.71	4.23	7.62	1.42	0.68	1.19	0.59	3.95	38.35	45.21	0.03%	0.00%	0.00%
SRS10596	7764105	482821	0.46	86.72	3.84	35.07	39.89	10.37	8.15	6.32	3.80	7.24	1.34	0.57	1.11	0.56	3.58	38.50	41.53	0.03%	0.00%	0.00%
SRS10595	7763732	482624	1.18	82.42	4.21	33.42	39.42	10.26	8.51	6.67	4.16	7.68	1.40	0.67	1.15	0.59	3.84	32.06	46.10	0.03%	0.00%	0.00%
SRS10597	7761383	482292	1.83	79.23	4.04	30.49	38.84	9.69	8.22	6.73	3.99	7.48	1.37	0.61	1.16	0.61	3.79	31.60	44.83	0.03%	0.00%	0.00%
SRS10589	7761587	482316	0.07	78.25	4.06	28.38	36.86	9.29	8.24	6.77	4.01	7.34	1.36	0.64	1.14	0.57	3.71	35.43	43.81	0.03%	0.00%	0.00%
SRS10583	7763178	483739	0.03	66.58	4.28	24.51	36.51	8.80	8.48	7.15	4.23	7.61	1.47	0.65	1.21	0.63	4.02	48.47	45.08	0.03%	0.00%	0.00%
SRS10584	7763809	483419	7.29	69.89	3.94	26.74	36.16	9.10	7.89	6.30	3.89	6.96	1.28	0.63	1.08	0.59	3.75	39.88	40.00	0.03%	0.00%	0.00%
SRS10593	7763480	482755	1.61	72.47	3.94	26.86	36.62	9.27	8.13	6.30	3.89	6.89	1.33	0.64	1.08	0.59	3.71	34.97	40.89	0.03%	0.00%	0.00%
SRS10587	7765313	482974	0.05	70.75	4.10	25.33	34.99	8.87	7.83	6.53	4.05	6.97	1.41	0.64	1.09	0.61	3.86	37.88	40.51	0.03%	0.00%	0.00%
SRS10582	7763165	483573	0.61	58.59	3.49	23.34	31.38	7.56	6.86	5.88	3.44	6.21	1.17	0.55	1.00	0.51	3.37	44.79	37.08	0.02%	0.00%	0.00%
SRS10586	7765001	483033	2.51	62.52	3.15	25.10	29.74	7.66	6.45	5.08	3.11	5.64	1.08	0.52	0.87	0.47	3.02	32.36	31.75	0.02%	0.00%	0.00%
SRS10146	7770490	479609	0.00	71.61	3.14	31.20	25.78	7.07	5.29	4.65	3.10	4.83	0.96	0.60	0.76	0.48	3.45	10.58	32.89	0.02%	0.00%	0.00%
SRS10145	7770473	479693	0.00	64.98	1.45	33.89	22.39	6.48	3.86	2.43	1.43	3.10	0.47	0.25	0.45	0.22	1.53	7.98	15.75	0.02%	0.00%	0.00%

## **ABOUT SUNSHINE GOLD**

Sunshine Gold is focused on its high-quality gold and copper projects in Queensland comprising a 100% interest in the Triumph, Hodgkinson, Investigator and Ravenswood West projects.

### ***Ravenswood West Gold-Copper-Rare Earth Project***

***(EPM 26041, EPM 26152, EPM 26303, EPM 26304, EPM 27824, EPM 27825: 100%)***

Ravenswood West is comprised of a significant holding (392 km<sup>2</sup>) of highly prospective gold-copper ground within 5 kms of the Ravenswood Mining Centre (4 Moz Au produced, a further 4.3 Moz Au in Resource and 1.8 Moz in Ore Reserves). The Ravenswood Mining Centre was purchased by EMR Capital and Golden Energy & Resources Ltd. (SGX:AUE) in 2020 for up to \$300m and is presently subject to a ~\$200m upgrade. In addition, there are three other gold mills within 100 km, two of which are toll treating.

The Project is highly prospective for intrusion-related and orogenic gold, porphyry gold-copper-molybdenum and rare earth elements. Ravenswood West covers 20-25 km of strike along a major fault that links Pajingo (4 Moz) and Ravenswood (9.8 Moz) and contains numerous historic gold workings.

### ***Triumph Gold Project (EPM18486, EPM19343: 100%)***

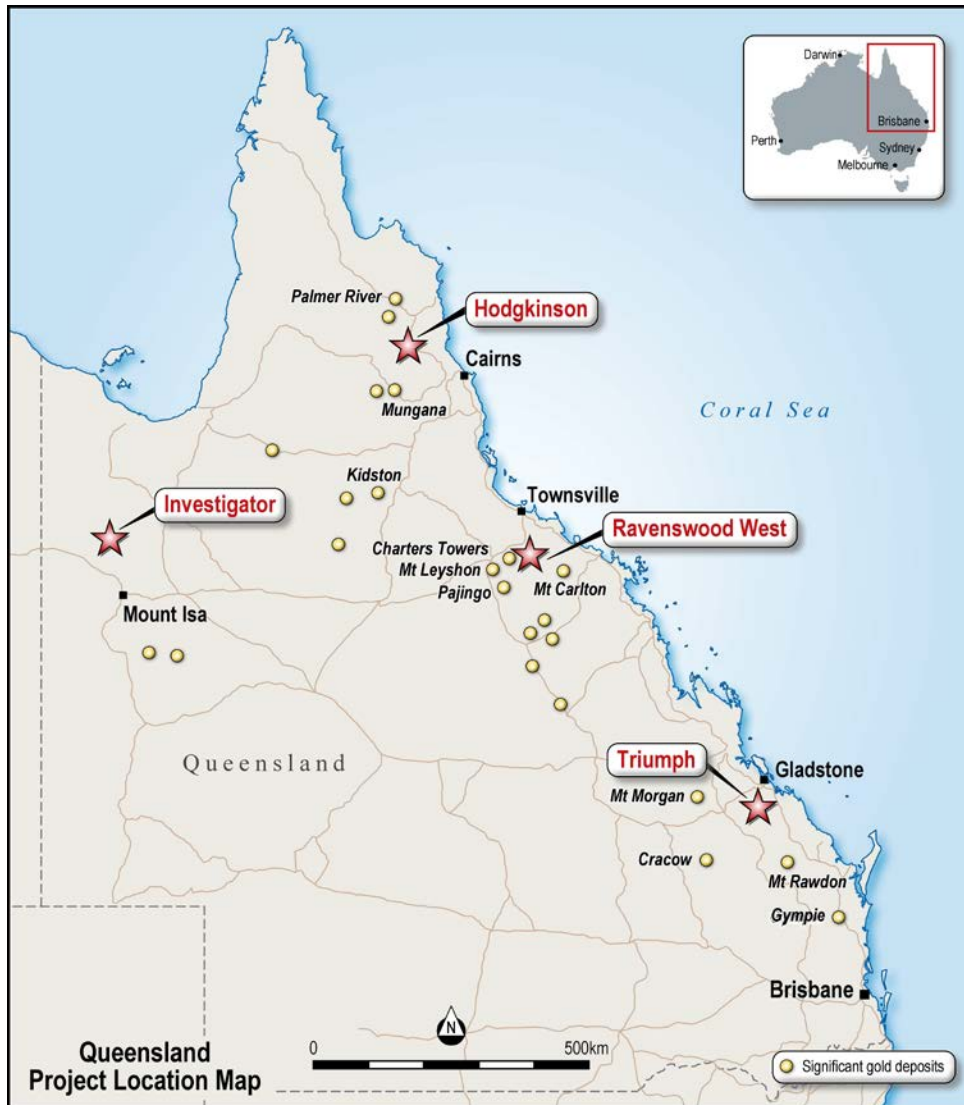
Triumph is centred around the historical Norton gold field from which ~20,000 oz of gold was extracted between 1879-1941. The project is located 50km south of the mining hub of Gladstone and comprises tenements covering 138km<sup>2</sup>. Triumph is located within the Wandilla Province of the New England Orogen. Nearby large gold deposits include Mt Rawdon (2.8 Moz Au), Mt Morgan (8 Moz Au and 0.4 Mt Cu) and Cracow (2 Moz Au). Triumph is a 15km<sup>2</sup> intrusion related gold system which has the potential to host both discrete high-grade vein deposits and large-scale, shear hosted gold deposits.

### ***Hodgkinson Gold Copper Project (EPM18171, EPM19809, EPM25139, EPM27539, EPM27574, EPM27575: 100%)***

Hodgkinson is located 100km north east of Cairns in North Queensland. The project comprises tenements covering 365km<sup>2</sup>. The project is situated between the Palmer River alluvial gold field (1.35 Moz Au) and the historic Hodgkinson gold field (0.3 Moz Au) and incorporates the Elephant Creek Gold, Peninsula Gold-Copper and Campbell Creek Gold prospects. Hodgkinson has been extensively explored for tungsten, owing to its proximity to the Watershed and Mt Carbine tungsten deposits, but underexplored for gold. BHP-Utah International completed stream sediment sampling across the project in the late 1980's and confirmed that the area was anomalous in gold as well as tungsten.

### ***Investigator Copper Project (EPM27344, EPM27345: 100%)***

Investigator comprises tenements covering 115km<sup>2</sup>. It is located 110km north of Mt Isa and 12km south of the Mt Gordon Copper Mine. Investigator has seen no modern exploration and importantly, no holes have been drilled in the most prospective stratigraphic and structural positions.



## JORC Code, 2012 Edition TABLE 1

Section 1 Sampling Techniques and Data (Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
<p><b>Sampling techniques</b></p>	<ul style="list-style-type: none"> <li>Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<p><b>Historical Drilling:</b></p> <p><b>Stavely Minerals</b> – Sulphide bearing intervals were sampled as half core and submitted to laboratory for analysis. Sample intervals were based on lithology and typically 1m length, with no intervals smaller than 0.4m and none larger than 1.2m.</p> <p><b>Rock Chip Sampling:</b></p> <p><b>BHP Exploration</b> – Sampling methodology unknown</p> <p><b>Stream Sediment Samples:</b></p> <p><b>BHP Exploration</b> – Stream sediments were collected as -2mm BLEG samples with -80 mesh samples also collected for re-assay if required.</p> <p><b>Stavely Minerals</b> – The stream sediment samples were taken from a reasonably straight section of the stream away from turbulent flow. The surface sand was removed and a sample was taken from a depth of between 5 and 20cm. The sample was sieved with a 4mm mesh to remove the larger fraction and placed in labelled calico bags. Sample preparation was completed by Stavely Minerals' personnel. Preparation involved mechanical sieving using a -80 mesh sieve stack to produce an &gt; 100g sample, which was weighed on a digital kitchen scale and was subsequently placed in a corresponding numbered brown paper geochem bag. Damp samples were sun dried prior to sieving. The fines were submitted to ALS Laboratory in Townsville.</p> <p><b>Soil Samples</b></p> <p><b>Stavely Minerals</b> – Soils were collected from the B-Horizon and sieved to -2mm using a coarse mesh. This was placed in a ziplock bag and subsequently sieved again to -80mesh out of field by Stavely personnel and placed in corresponding paper geochem bags, of weight 100 – 150g.</p> <p><b>Sunshine Gold</b> – Samples were collected from between 5 – 15cm below existing surface and sieved to -80 mesh size. A sampling pick is used to remove the top 5cm of vegetation and dirt (A-Horizon) and then a roughly 40cm x 40cm sized hole is dug and turned over. The dirt is sieved to -80 mesh and approximately 100g of sample is placed within a numbered paper bag. The samples were transported by SHN to the laboratory for assay.</p>

Criteria	JORC Code explanation	Commentary
<b>Drilling techniques</b>	<ul style="list-style-type: none"> <li>• Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.).</li> </ul>	<p><b>Historical Drilling:</b></p> <p><b>Stavely Minerals</b> – Holes collared in PQ and completed in HQ size. Standard tube. Core was orientated using Reflex ACT III orientation tool.</p>
<b>Drill sample recovery</b>	<ul style="list-style-type: none"> <li>• Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>• Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>• Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>	<p><b>Historical Drilling:</b></p> <p><b>Stavely Minerals</b> – Core recoveries are recorded in the database, with holes reportedly returning excellent recovery throughout. Diamond core is reconstructed into continuous runs on an angle iron cradle for orientation markings. Depths are checked against the depth given on the core blocks and rod counts are routinely carried out by the driller.</p>
<b>Logging</b>	<ul style="list-style-type: none"> <li>• Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</li> <li>• Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.</li> <li>• The total length and percentage of the relevant intersections logged.</li> </ul>	<p><b>Historical Drilling:</b></p> <p><b>Stavely Minerals</b> – Geological logging of samples following Company and industry common practice. Qualitative logging of samples including (but not limited to); lithology, mineralogy, alteration, veining and weathering. Diamond core logging included additional fields such as structure and geotechnical parameters.</p> <p>Magnetic Susceptibility measurements were taken for each 1m diamond core interval. All logging is quantitative, based on visual field estimates. Systematic photography of the diamond core in the wet and dry form was completed.</p> <p><b>Rock Chip Sampling:</b></p> <p><b>BHP Exploration</b> – No record of rock-chip description for sample BKR-060, although some rocks collected at the same time were described.</p> <p><b>Historical Streams &amp; Soils:</b></p> <p>Partial logging was undertaken to record substrate</p> <p><b>Sunshine Gold</b> – No geological information has been logged whilst directly taking the soil sample. All samples are ensured they are not collected on top of infrastructure (e.g. historical workings) or from alluvial sources (e.g. creeks).</p>
<b>Sub- sampling techniques, sample preparation</b>	<ul style="list-style-type: none"> <li>• If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>• If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.</li> </ul>	<p><b>Historical Drilling:</b></p> <p><b>Stavely Minerals</b> – The half core for the HQ diameter was sampled at Terra Search’s yard in Townsville, Queensland. The sample sizes are considered to be appropriate to correctly represent the sought</p>



Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<p>mineralisation.</p> <p><b>Rock Chip Sampling:</b></p> <p><b>BHP Exploration</b> – Sampling methodology unknown</p> <p><b>Stream Sediments:</b></p> <p><b>BHP Exploration</b> – BLEG samples sieved to -2mm were taken, as well as corresponding -80mesh samples. The BLEG samples were sent to the laboratory, with follow up using the -80 mesh is required.</p> <p><b>Stavely Minerals</b> – Approximately 100 – 150g of -80mesh sample was collected. The sample sizes are considered to be appropriate to correctly represent the sought mineralisation.</p> <p><b>Soil Sampling:</b></p> <p><b>Stavely Minerals</b> – Approximately 100 – 150g of -80mesh sample was collected. The sample sizes are considered to be appropriate to correctly represent the sought mineralisation.</p> <p><b>Sunshine Gold</b> – Approximately 100g of -80 mesh sample is collected. This is deemed representative of the B-Horizon soil as a point location. Laboratory in-house QAQC protocols are solely used.</p>
<p><b>Quality of data and laboratory tests</b></p>	<ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc..</li> <li>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</li> </ul>	<p><b>Historical Drilling:</b></p> <p><b>Stavely Minerals</b> – The core samples were analysed by multielement ICPAES Analysis – Method ME-ICP61. The core samples were also analysed for gold using a 30g fire assay. Laboratory QAQC involved the submission of standards and blanks. For each 20 samples, either a Certified Reference Material (CRM) standard or a blank was submitted.</p> <p>The analytical laboratory also provide their own routine quality controls within their own practices. The results from their own validations were provided to Stavely Minerals.</p> <p>Results from the CRM standards and the blanks gives confidence in the accuracy and precision of the assay data returned from ALS.</p> <p><b>Rock Chip Sampling:</b></p> <p><b>BHP Exploration</b> – No methodologies are reported, but soils and stream samples at the same time used 2 to 3 acid digest with ICP-OES finish on for multi-element, including REEs.</p>

Criteria	JORC Code explanation	Commentary
		<p><b>Stream Sediment Samples:</b></p> <p><b>BHP Exploration</b> – Stream sediment samples of -2mm size were analysed for Au by active cyanide solvent extraction, carbon rod finish. This is a partial extraction technique. Some of these were followed up by using 2 to 3 acid digest with ICP-OES finish on select samples for multi-element, including REEs.</p> <p><b>Stavely Minerals</b> – The sieved -80 mesh stream sediment samples were analysed for gold by using an aqua regia extraction and ICP-MS finish. The determination of gold by aqua regia digest offers very low detection limits, making it an attractive option for soil and stream sediment sampling surveys. Multi-element data, including REEs, were assayed by four-acid digest and ICP-MS finish. Only internal laboratory QAQC was applied.</p> <p><b>Soil Sampling:</b></p> <p><b>Stavely Minerals</b> – The sieved -80 mesh samples were analysed for gold by using an aqua regia extraction and ICP-MS finish. The determination of gold by aqua regia digest offers very low detection limits, making it an attractive option for soil and stream sediment sampling surveys. Multi-element data, including REEs, were assayed by four-acid digest and ICP-MS finish. Only internal laboratory QAQC was applied.</p> <p><b>Sunshine Gold</b> – Soils were assayed using a 25g fire assay with ICP-AES finish, which is considered appropriate for this style of mineralisation. Fire assay is considered total assay for gold. All other elements, including REEs, were assayed using ICP-MS.</p>
<p><b>Verification of sampling and assaying</b></p>	<ul style="list-style-type: none"> <li>• The verification of significant intersections by either independent or alternative company personnel.</li> <li>• The use of twinned holes.</li> <li>• Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>• Discuss any adjustment to assay data.</li> </ul>	<p><b>Historical Drilling:</b></p> <p>Historical data is reported as per the open file or ASX reports. No twinned holes are available for direct correlation to drill hole. Primary assay data is available for the Stavely Minerals. No conversions on assays have been undertaken here.</p> <p><b>Soil and Stream Sediment Sampling:</b></p> <p>Samples will be collected by SHN near historical data and will be compared in due course. However, both Stavely Minerals and Sunshine Gold samples confirm anomalism within the boundaries of the Barrabas Adamellite.</p> <p>REE assays have been converted to their economic oxide equivalents using the factors listed below:</p>

Criteria	JORC Code explanation	Commentary																																																												
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<p data-bbox="177 954 309 1014"><b>Location of data points</b></p>	<ul data-bbox="384 954 783 1227" style="list-style-type: none"> <li>• Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</li> <li>• Specification of the grid system used.</li> <li>• Quality and adequacy of topographic control.</li> </ul>	<p data-bbox="831 954 948 976"><b>Historical:</b></p> <p data-bbox="831 1003 1299 1025"><b>BHP</b> data was recorded in AGD84, Zone 55.</p> <p data-bbox="831 1052 1445 1113"><b>Stavelly Minerals</b> – The grid system used by Stavelly Minerals was GDA94, Zone 55.</p> <p data-bbox="831 1140 1445 1200"><b>Sunshine Gold</b> – Samples are located as points using handheld GPS in GDA94, Zone 55 format.</p>																																																												
<p data-bbox="177 1256 331 1346"><b>Data Spacing and distribution</b></p>	<ul data-bbox="384 1256 783 1559" style="list-style-type: none"> <li>• Data spacing for reporting of Exploration Results.</li> <li>• Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</li> <li>• Whether sample compositing has been applied.</li> </ul>	<p data-bbox="831 1256 1034 1279"><b>Historical Drilling:</b></p> <p data-bbox="831 1305 1445 1395">Historical drill holes were exploration holes only and therefore did not have a set spacing. The holes were considered appropriately located for the target.</p> <p data-bbox="831 1422 1445 1512">Sample intervals were based on lithology but in general were 1m. No intervals were less than 0.4m or greater than 1.2m.</p> <p data-bbox="831 1583 1066 1606"><b>Rock Chip Sampling:</b></p> <p data-bbox="831 1632 1445 1693"><b>BHP Exploration</b> – No spacing due to the nature of the sampling method.</p> <p data-bbox="831 1765 1046 1787"><b>Stream Sediments:</b></p> <p data-bbox="831 1814 1445 1874"><b>BHP Exploration</b> – Typically took 1 sample within 1.5km of stream</p> <p data-bbox="831 1901 1445 1991"><b>Stavelly Minerals</b> – Due to the nature of the sampling method, no specific spacing is recorded and can vary between 30m to over 300m.</p> <p data-bbox="831 2063 994 2085"><b>Soil Sampling:</b></p>																																																												

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		<p><b>Stavelly Minerals</b> – A nominal 100m x 100m grid was used over the Bank area.</p> <p><b>Sunshine Gold</b> – A nominal 200m x 200m grid was used on the edges of the sample area, closing to 100m x 100m in the core of the grid.</p>
<p><b>Orientation of data in relation to geological structure</b></p>	<ul style="list-style-type: none"> <li>• Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>• If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</li> </ul>	<p><b>Historical Drilling:</b></p> <p><b>Stavelly Minerals</b> – At the Bank Breccia, diamond drill hole SRD002 was oriented at -60o towards 130o magnetic azimuth to intercept the breccia. The hole was reportedly positioned to test at depth rock chip samples which returned up to 0.25 g/t Au and 45.7 g/t Ag, which are coincident with a Ag-Sb-As-Cu-Bi soil anomaly.</p> <p><b>Stream Sediment Sampling:</b></p> <p>Sample locations are limited by stream location.</p> <p><b>Soil Sampling:</b></p> <p><b>Stavelly Minerals</b> – The soil sampling grid was not orientated (100m by 100m sampling) and is considered to have achieved unbiased sampling.</p> <p><b>Sunshine Gold</b> – An evenly spaced, unbiased N – S 100m x 100m grid is used to cover the Barrabas Adamellite in order to assist in distinguishing any mineralised orientations within the core of the unit.</p>
<p><b>Sample security</b></p>	<ul style="list-style-type: none"> <li>• The measures taken to ensure sample security.</li> </ul>	<p><b>Historical Drilling:</b></p> <p>Stavelly Minerals – Samples were hand delivered in closed poly-weave bags by Terra Search contractors to the ALS laboratory in Townsville. At the laboratory the samples are stored in a locked yard before being processed and tracked through preparation and analysis.</p> <p><b>Rock Chips, Stream Sediment Samples and Soil Samples:</b></p> <p><b>BHP Exploration</b> – It is not known how samples were stored or transported.</p> <p><b>Stavelly Minerals</b> – The brown paper geochem sample bags containing the sieved stream sediment samples were packaged in a sealed cardboard box for hand delivery to ALS in Townsville, Queensland.</p> <p><b>Sunshine Gold</b> – Samples were pre-numbered prior to collection. Samples are sieved when collected and placed</p>

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		immediately into a paper geochemical bag marked with the sample ID. The paper bags are then placed in boxes or calicos with a numbered range. The samples are then transported by SHN to the laboratory. No third party was involved with the handling of the sample between collection and drop off.
<b>Audits or reviews</b>	<ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	<p><b>Historical Datasets</b> – Sampling techniques and data are considered standard for the time at which they were collected. As with all historical datasets, there is an acknowledged gap in the available information and as such should be treated with caution.</p> <p><b>Sunshine Gold</b> – The sampling techniques are regularly reviewed during the program and further review will take place prior to future drilling. No external audits have been undertaken.</p>

**Section 2 – Reporting of Exploration Results (Criteria in this section apply to all succeeding sections.)**

Criteria	JORC Code explanation	Commentary
<b>Mineral tenement and land tenure status</b>	<ul style="list-style-type: none"> <li>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</li> <li>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</li> </ul>	<p>The Ravenswood West Project consists of EPMs 26041, 26152, 26303, 26404, 27824 and 27825. All EPMs are owned 100% by Ukalunda Pty Ltd and XXXX Gold Pty Ltd, both wholly owned subsidiaries of Sunshine Gold Limited. The tenements are in good standing and no known impediments exist.</p> <p>Two current, third party Mining Leases exist on EPM 26041 – named ML 10243 (Delour) and ML 10315 (Podosky). One further current, third party Mining Lease exists partially on EPM 26152 – named ML 1529 (Waterloo).</p> <p>All of EPM 26303 and part of EPM 26041 are situated within the Burdekin Falls Dam catchment area.</p>

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<b>Exploration done by other parties</b>	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<p>Numerous exploration companies have explored within the Ravenswood West Project area, namely North Broken Hill, New Consolidated Gold Fields, Noranda, Planet Metals, MAT, Nickel Mines Ltd, Minefields, Kennecott, Cormepar Minerals, Geopeko, Esso, Dampier Mining, IMC, CRA, Ravenswood Resources, Dalrymple Resource, BJ Hallt, Poseidon, Haoma Mining, Kitchener Mining, Placer, Goldfields, Carpentaria Gold, MIM, BHP, and Stavely Minerals.</p>																
<b>Geology</b>	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<p>The Ravenswood West Project area is located within open file 100k map sheet area 8257.</p> <p>The project is hosted within the Ravenswood Batholith of the Charters Towers Province, which consists primarily of Ordovician to Silurian granitoids and lesser sedimentary packages. The area is considered by SHN to be prospective for orogenic and intrusion-related gold deposits, as well as granitoid-related copper, molybdenum, silver and rare earth deposits. There also appears to be prospectivity for MVT deposits on the fringes of the tenement area.</p>																
<b>Drill hole information</b>	<ul style="list-style-type: none"> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: <ul style="list-style-type: none"> <li>easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and intercept depth</li> </ul> </li> <li>hole length.</li> </ul>	<p><b>Stavely Minerals drill hole SRD002:</b></p> <table border="1"> <thead> <tr> <th>Hole ID</th> <th>SRD002</th> </tr> </thead> <tbody> <tr> <td><b>Depth</b></td> <td>420.7</td> </tr> <tr> <td><b>Grid ID</b></td> <td>MGA94, Zone 55</td> </tr> <tr> <td><b>East</b></td> <td>480,045</td> </tr> <tr> <td><b>North</b></td> <td>7,771,233</td> </tr> <tr> <td><b>RL</b></td> <td>210</td> </tr> <tr> <td><b>Dip</b></td> <td>-60</td> </tr> <tr> <td><b>Azimuth (Grid)</b></td> <td>144.7</td> </tr> </tbody> </table>	Hole ID	SRD002	<b>Depth</b>	420.7	<b>Grid ID</b>	MGA94, Zone 55	<b>East</b>	480,045	<b>North</b>	7,771,233	<b>RL</b>	210	<b>Dip</b>	-60	<b>Azimuth (Grid)</b>	144.7
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<b>Data aggregation methods</b>	<ul style="list-style-type: none"> <li>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<p>TREO calculations have been used to convert elemental assays into their economic oxide counterparts, using the following table, where the "Factor" is the number by which the original elemental value is multiplied.</p> <table border="1"> <thead> <tr> <th>REO</th> <th>Unit</th> <th>Factor</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>CeO<sub>2</sub></td> <td>ppm</td> <td>1.228</td> <td>LREO</td> </tr> <tr> <td>Eu<sub>2</sub>O<sub>3</sub></td> <td>ppm</td> <td>1.158</td> <td>LREO</td> </tr> <tr> <td>La<sub>2</sub>O<sub>3</sub></td> <td>ppm</td> <td>1.173</td> <td>LREO</td> </tr> <tr> <td>Nd<sub>2</sub>O<sub>3</sub></td> <td>ppm</td> <td>1.166</td> <td>LREO</td> </tr> <tr> <td>Pr<sub>6</sub>O<sub>11</sub></td> <td>ppm</td> <td>1.208</td> <td>LREO</td> </tr> <tr> <td>Sm<sub>2</sub>O<sub>3</sub></td> <td>ppm</td> <td>1.160</td> <td>LREO</td> </tr> <tr> <td>Dy<sub>2</sub>O<sub>3</sub></td> <td>ppm</td> <td>1.148</td> <td>HREO</td> </tr> <tr> <td>Er<sub>2</sub>O<sub>3</sub></td> <td>ppm</td> <td>1.143</td> <td>HREO</td> </tr> <tr> <td>Gd<sub>2</sub>O<sub>3</sub></td> <td>ppm</td> <td>1.153</td> <td>HREO</td> </tr> <tr> <td>Ho<sub>2</sub>O<sub>3</sub></td> <td>ppm</td> <td>1.146</td> <td>HREO</td> </tr> <tr> <td>Lu<sub>2</sub>O<sub>3</sub></td> <td>ppm</td> <td>1.137</td> <td>HREO</td> </tr> <tr> <td>Tb<sub>4</sub>O<sub>7</sub></td> <td>ppm</td> <td>1.176</td> <td>HREO</td> </tr> <tr> <td>Tm<sub>2</sub>O<sub>3</sub></td> <td>ppm</td> <td>1.142</td> <td>HREO</td> </tr> <tr> <td>Yb<sub>2</sub>O<sub>3</sub></td> <td>ppm</td> <td>1.139</td> <td>HREO</td> </tr> </tbody> </table>	REO	Unit	Factor	Type	CeO <sub>2</sub>	ppm	1.228	LREO	Eu <sub>2</sub> O <sub>3</sub>	ppm	1.158	LREO	La <sub>2</sub> O <sub>3</sub>	ppm	1.173	LREO	Nd <sub>2</sub> O <sub>3</sub>	ppm	1.166	LREO	Pr <sub>6</sub> O <sub>11</sub>	ppm	1.208	LREO	Sm <sub>2</sub> O <sub>3</sub>	ppm	1.160	LREO	Dy <sub>2</sub> O <sub>3</sub>	ppm	1.148	HREO	Er <sub>2</sub> O <sub>3</sub>	ppm	1.143	HREO	Gd <sub>2</sub> O <sub>3</sub>	ppm	1.153	HREO	Ho <sub>2</sub> O <sub>3</sub>	ppm	1.146	HREO	Lu <sub>2</sub> O <sub>3</sub>	ppm	1.137	HREO	Tb <sub>4</sub> O <sub>7</sub>	ppm	1.176	HREO	Tm <sub>2</sub> O <sub>3</sub>	ppm	1.142	HREO	Yb <sub>2</sub> O <sub>3</sub>	ppm	1.139	HREO
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<b>Relationship between mineralisation widths and intercept lengths</b>	<ul style="list-style-type: none"> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').</li> </ul>	<p>The geometry of the drill hole mineralisation is subject to ongoing interpretation and as such intervals are reported in downhole length only.</p> <p>Refer JORC Table 1, Section 1.</p>																																																												
<b>Diagrams</b>	<ul style="list-style-type: none"> <li>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</li> </ul>	<p>Refer to figures contained within this report.</p>																																																												
<b>Balanced reporting</b>	<ul style="list-style-type: none"> <li>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced, to avoid misleading reporting of Exploration Results.</li> </ul>	<p>All results are presented in figures and tables contained within this report.</p>																																																												

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<b>Other substantive exploration data</b>	<ul style="list-style-type: none"><li>• Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</li></ul>	No other material data is presented in this report.