Technical Report

Geology, Exploration Programs and Results From the Rosetta Stone Property with Recommendations for Further Exploration

Slocan Mining Division, British Columbia

NTS 82K/04

North 50°06.009'; West 117°41.948'
UTM Zone 11 450000E, 5550000N

For

Property operator:
Kootenay Gold Inc.
550-999 W. Hastings Street
Vancouver, B.C. V6C 2W2
Property owner:
T. Kennedy,
Kimberly, B.C.

By

R.I. Thompson, PhD, P.Eng
RIT Minerals Corp.
10915 Deep Cove Rd.
North Saanich, B.C. V8L 5P9

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0.0 Summary

Kootenay Gold Inc. engaged RITM Corp to prepare a technical report on the Rosetta Stone Property, and epithermal gold – massive sulphide prospect located in southeastern British Columbia, Canada. The technical report was prepared by R.I. (Bob) Thompson, President, RIT Minerals Corp., based on 15 days of field mapping and augmented by synthesis and interpretation of geochemical databases.

The Rosetta Stone Property is owned by T. Kennedy of Kimberly, British Columbia. Kootenay Gold Inc. operates the property and has exercised its option to purchase the Property.

Exploration is at an early stage on the Property. Prospecting, soil and rock geochemistry and geological mapping have been completed at a reconnaissance level, however much of the property awaits systematic prospecting and mapping. Initial prospecting and geochemical results are encouraging and are supported by a geological environment that supports follow-up exploration.

The Rosetta Stone Property (referenced hereafter as the Property) is the site of new gold (Au) discoveries in quartz veins, stock works and breccias having characteristics consistent with epithermal-style gold mineralization. Open space fillings associated with crustiform, colloform and (or) bladed quartz (chalcedony), quartz-carbonate replacement textures, localized sericitic alteration, and association with zinc, lead and copper are field characteristics consistent with low sulphidation epithermal deposits. The gold-bearing vein/breccia systems are associated with and peripheral to a Cretaceous (75 Ma) fine crystalline, epizonal (shallow level), leucocratic (light colored) granite (Shannon Lake stock) in which miarolitic cavities (representing “bubbles” of fluid presumably liberated at low pressure) with euhedral mineral projections, are common. Zoning of Au values within one showing, with grades increasing toward the center of the vein/alteration system, suggests resurgence (multiple injection) of Au-bearing fluids and (or) gases.

Evaluation of the gold potential of this epizonal igneous system is at a preliminary stage. Epithermal-type gold was discovered during a regional prospecting program (2006-07); the initial stages of systematic prospecting and sampling are underway in combination with property scale geological mapping (2008) and soil sampling.

Massive sulphide potential represents a fourth exploration target worthy of investigation. Fine crystalline, pyrite- and pyrrhotite-bearing mafic sills have invaded host mudstone, siliceous mudstone and carbonaceous limestone belonging to the Upper Triassic Slocan Group. Brecciation associated with sill emplacement (degassing?) is reminiscent of those containing massive sulphide mineralization on the Enigma Property, a Besshi-style occurrence located 19 km due east of the Rosetta Stone tenures, and suggests the geological environment is conducive to massive sulphide deposition on the Rosetta Stone Property.

Quartz carbonate veins within mudstone intruded by mafic sills, merit evaluation. Often, deeply altered sill material will be cross cut by veins having open vug-like space, filled by euhedral quartz and Fe-carbonate, and carrying anomalous Au concentrations. In some cases these veins are themselves brecciated, suggesting volatile expulsion associated with vein development. It's not clear whether the veins are associated with the late stages of sill emplacement or with a later igneous event, emplacement of the Jurassic Ruby Range diorite.

A zone of mineralized quartz veins trending 40^{o} in the southwestern margin of the Property, cut older Devonian and (or) Mississippian pelite and quartzite. The zone of veining is estimated to be 60 plus metres wide and at least 800 metres long. Pyrite ± galena (and sphalerite) were observed; however this vein system has not been prospected.

The Property is located 15 km south of the town of Nakusp, British Columbia. It straddles the east-west trending drainage of MacDonald Creek which empties into the narrows separating Upper and Lower Arrow lakes (Fig. 1). Road access is excellent; the

terrain is steep, however, extensive logging operations have established a network of secondary roads ideal for exploration purposes.

The region has been prospected for silver- gold- and base metal-bearing veins since the end of the 19th century and several prospects of this type are known from the MacDonald Creek area. However, the two targets of primary interest on Rosetta Stone: epithermal Au-bearing veins/breccias associated with an epizonal granite, and Bhessi-style massive sulphide potential associated with a mafic sill complex, are new.

It is the author's conclusion that Rosetta Stone is a property of merit. Further exploration is recommended.

1.0 Introduction and Terms of Reference

Kootenay Gold Inc. (Kootenay Gold) engaged RIT Minerals Corp. (RITM) in the third quarter of 2008 to prepare a 43-101 compliant technical report (Technical Report) on the Rosetta Stone Property (Property) which comprises 26 mineral tenures covering 11,588 hectares located near Nakusp in southeastern British Columbia, Canada. This report was prepared according to requirements of National Instrument (NI) 43-101: ***Standards of Disclosure for Mineral Projects***, and in compliance with the format set out in the companion document, 43-101F1. The author, R. I. (Bob) Thompson, PhD, P.Eng., President of RIT Minerals Corp., spent fourteen days mapping and examining the property in July, August and September of 2008.

Terms of Reference

The author is not associated or affiliated with Kootenay Gold Inc. or any related companies. Fees paid to RITM Corp. for the field work done and the preparation of this Technical Report are not dependent in whole or in part on any prior or future engagement or understanding resulting from the conclusions of this report. The fees are in accordance with industry standards for work of this nature.

All of the figures in this report were prepared by the author. The sections of this report that discuss geochemical aspects of the Property rely in part on unpublished analyses of rock and soil samples collected by contractors and analyzed by ACME Laboratories Ltd. an accredited, third party, independent laboratory. Sections of the report that describe regional-, local- and property-scale geology rely on (14 days) field work undertaken by the author and on the following reports:

> Hyndman, D.W., 1968, Petrology and structure of Nakusp map area, British Columbia: Geological Survey of Canada Bulletin No. 161.
>
> Read, P.B. and Wheeler, J.O., 1976, Geology of the Lardeau west half map-area, British Columbia: Geological Survey of Canada, Open File 432, 150,000.
>
> Thompson, R.I., Glombick, P., Erdmer, P., Heaman, L.M., Lemieux, Y. and Daughtry, K.L., 2006, Evolution of the ancestral Pacific margin, southern Canadian Cordillera: Insights from new geological maps, *in* Colpron, M. and Nelson, J.L., eds., Paleozoic Evolution and Metallongeny of Pericratonic Terranes at the Ancient Pacific Margin of North America, Canadian and Alaskan Cordillera: Geological Association of Canada, Special Paper 45, p. 433-482.
>
> Thompson, R.I. (compiler), in press, Geology, Nakusp, British Columbia: Geological Survey of Canada, Open file 4389, 1:50,000.

This report presents: 1) a description of the general geological setting of the Property, a description and analysis of the geological mapping and evaluation carried out by the author; 2) an evaluation of the merits of the Property; and 3) recommendations for future exploration. All reports reviewed by the author are listed in the references at the end of this report.

The author is familiar with the Property having spent 14 days during the period August 5th to September 3rd, 2008 mapping and evaluating it. As well, he spent 6 days during May and June of 2008, mapping and evaluating the nearby Enigma Property operated by Kootenay Gold Inc. The author was also responsible for regional mapping and geological

compilation in the Vernon (82L) and Lardeau (82K) map areas in the period 1993 – 2006 (e.g. Thompson et. al., 2006 and references therein).

All measurement units used in this report are metric. The coordinate system in use on the Property and on all maps is UTM zone 11.

There was no limitation placed on the author with respect to information regarding Kootenay Gold in the preparation of this report.

Abbreviations and Acronyms

A list of frequently used acronyms and abbreviations follow:

AAS: atomic absorption spectroscopy (laboratory analytical procedure)
Ag: silver
As: arsenic
Au: gold
Bi: bismuth
cm: centimetre
Cu: copper
g/t: grams per tone
Hg: mercury
ICP: Inductively Coupled Plasma (laboratory analytical procedure)
kg: kilogram
km: kilometre
KV:kilovolts
lpm: litres per minute
m: metre
masl: metres above sea level
mm: millimetre
ppb: parts per billion
ppm: parts per million (34.286 ppm equals one troy ounce per short ton)
Pb: lead
RC: reverse circulation drilling method
tonne: metric ton (1000 kg)
Zn: zinc

2.0 Reliance on Other Experts

The author has not personally reviewed land tenure, is not a Qualified Person with regard to land tenure in British Columbia, Canada, and has not independently verified the legal

status or ownership of the property or any underlying option agreements. It is the author's understanding, that Tom Kennedy of Kimberley, B.C. is the sole registered owner of the mineral claims described herein, that Kootenay Gold Inc. is sole operator of said claims, and that the claims are free and clear of all Crown-granted claims.

The results and opinions expressed in this report are conditional upon the aforementioned geological and geochemical information being current, accurate, and complete as of the date of this report, and the understanding that no information has been withheld that would affect the conclusions made herein.

3.0 Property Description and Location

The Property is roughly centered at: North 50°06.009', West 117°41.948'; UTM Zone 11 450000E, 5550000N within NTS map sheet 82K/04. The mineral tenures straddle the MacDonald Creek drainage, which flows west and empties into the narrows between Upper and Lower Arrow lakes (Fig. 1). The town of Nakusp is 15 km to the north on the eastern shore of Upper Arrow Lake, and New Denver is 30 km to the southeast on the eastern shore of Slocan Lake.

The Property comprises 26 mineral tenures containing 11,588 hectares (Table I). The mineral cell titles were acquired online and as such there are no posts or lines marking the location of the Property on the ground.

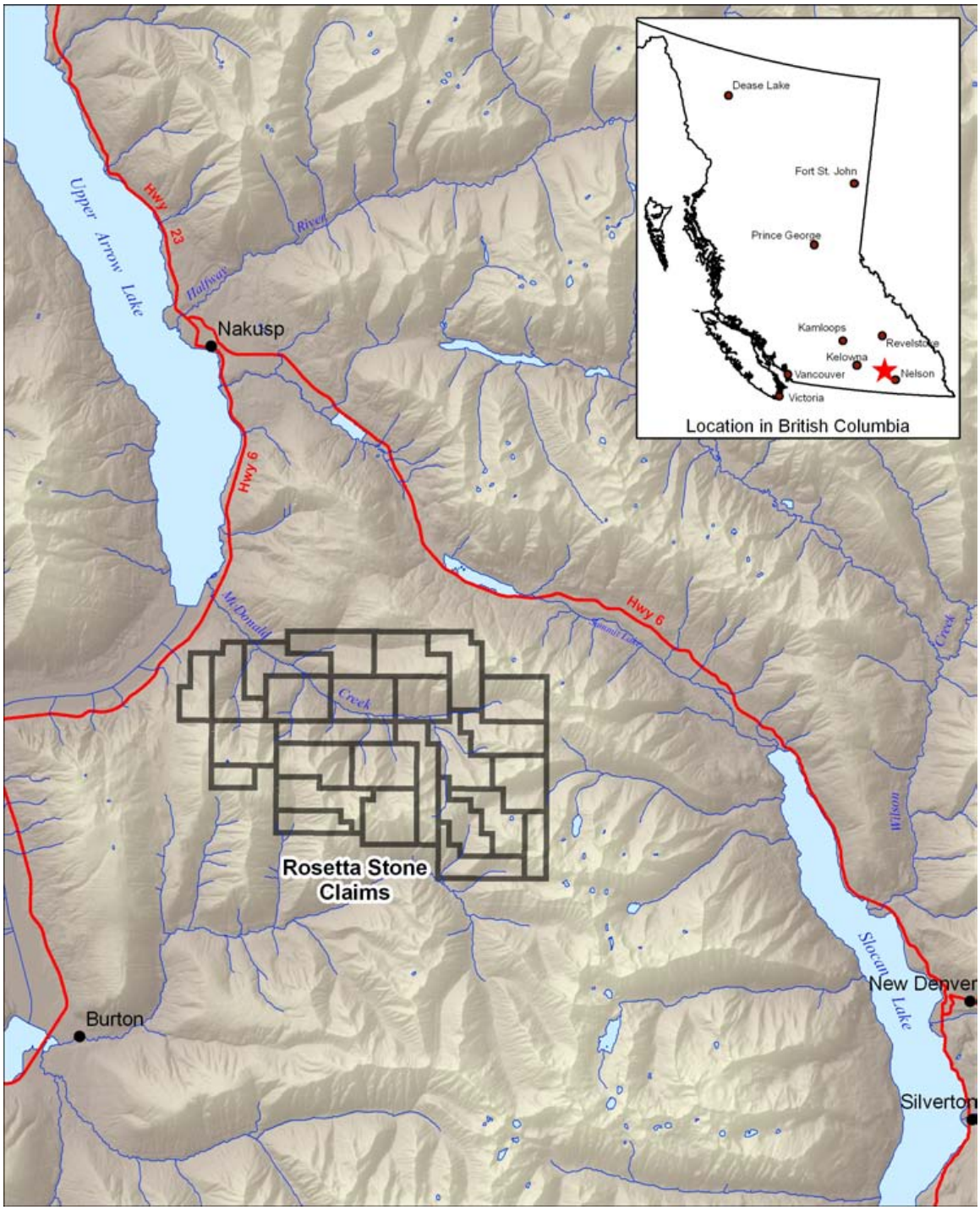

Figure 1: Digital elevation map showing location of Rosetta Stone Property mineral tenures relative to major geographical features of the Slocan and Arrow Lakes region.

Tenure No.	Name	Owner	NTS	Date	Area
536449	REMAC	134308 (100%)	082K.012	Jul-15-2009	414.4680
538604	REMAC 2	134308 (100%)	082K.002	Jul-15-2009	518.3200
538605	REMAC 3	134308 (100%)	082K.002	Jul-15-2009	456.3450
543592	SHAN	134308 (100%)	082K.002	Jul-15-2009	394.1257
558556	REMAC 4	134308 (100%)	082K.002	Jul-15-2009	497.6563
558557	REMAC 5	134308 (100%)	082K.002	Jul-15-2009	497.6036
558558	REMAC 6	134308 (100%)	082K.002	Jul-15-2009	497.7887
558559	REMAC 7	134308 (100%)	082K.002	Jul-15-2009	497.5908
558560	REMAC 8	134308 (100%)	082K.002	Jul-15-2009	497.7150
558561	REMAC 9	134308 (100%)	082K.002	Jul-15-2009	269.6427
558562	REMAC 10	134308 (100%)	082K.002	Jul-15-2009	414.9927
558563	REMAC 11	134308 (100%)	082K.002	Jul-15-2009	456.0265
559984	MOREMAC 1	134308 (100%)	082K.012	Jul-15-2009	497.3583
559985	MOREMAC 2	134308 (100%)	082K.012	Jul-15-2009	497.3510
559986	MOREMAC 3	134308 (100%)	082K.012	Jul-15-2009	497.2198
560562	NORMAC 1	134308 (100%)	082K.012	Jul-15-2009	497.1756
560563	NORMAC 2	134308 (100%)	082K.012	Jul-15-2009	497.1962
560724	WESTMAC 1	134308 (100%)	082K.002	Jul-15-2009	497.4936
560725	WESTMAC 2	134308 (100%)	082K.012	Jul-15-2009	497.2888
560726	WESTMAC 3	134308 (100%)	082K.002	Jul-15-2009	165.8688
579415	MACEAST 1	134308 (100%)	082K.002	Jul-15-2009	476.9506
579419	MACEAST 2	134308 (100%)	082K.002	Jul-15-2009	497.5146
579425	MACEAST 3	134308 (100%)	082K.012	Jul-15-2009	497.3703
579427	MACEAST 4	134308 (100%)	082K.012	Jul-15-2009	497.2474
579430	MACEAST 5	134308 (100%)	082K.002	Jul-15-2009	248.9652
579433	MACWEST 1	134308 (100%)	082K.011	Jul-15-2009	310.8100

Owner 134308 - T. Kennedy

Table I: Description of Rosetta Stone Property mineral titles.

The author has checked the status of recorded ownership and expiry dates of the cell claims as listed in the Ministry of Energy, Mines and Petroleum Resources, Mineral Titles Division website. All claims are in good standing until the expiry dates listed in Table I. In order to keep the mineral cell titles in good standing beyond the listed expiry dates, assessment work will have to be filed with the BC Mineral Titles Division before the anniversary date of each title (and/or group) in the amount of $4.00 per hectare of acceptable work in the first 3 years after acquisition and increasing to $8.00 per hectare after 3 years, plus a filing fee of $0.40 per hectare.

Four mineralized zones have been discovered, each containing anomalous Au mineralization in quartz or quartz-carbonate veins (ref. 11.0 for detailed descriptions). Specific coordinates and tenure numbers are provided in Table II.

Mineralization	Type	Tenure No.	UTM Coordinates
Au ± Fe, Cu, Zn,	vein/breccia	538605	11 454605 5546133
Au ± Fe, Cu, Zn,	vein/breccia	543592	11 454006 5545974
Au ± Fe, Cu, Zn,	vein	536449	11 452413 5550506
Au ± Fe, Cu, Zn,	vein	538449	11 452085 5550744

Table II: Location and type of mineralized zones discovered on the Rosetta Property. Detailed descriptions of the zones and their geological setting are provided in sections 5and 6.

Environmental Permits

The author is not aware of any environmental issues specific to the Property.

4.0 Accessibility, Climate, Local Resources, Infrastructure, and Physiography

The Property is accessible using 3 major logging road systems (Fig 1): 1) off highway 6, 15 km south of Nakusp on the upper Arrow Lake side, where good quality gravel roads proceed up both north and south sides of MacDonald Creek; 2) off highway 6, 15 km north of New Denver (at the hamlet of Hills), and from there 16 km up the Shannon Creek logging road system into the southeastern extent of the Property; and 3) off highway 6, 14 km southeast of Nakusp at the north end of Summit Lake, and from there 12 km up logging roads to the northeastern extent of the Property. A 4-wheel vehicle suitable for rough gravel roads is advised. A rugged spine of alpine and subalpine peaks south of MacDonald Creek are no longer accessible by road. A 10 minute helicopter flight from Nakusp provides the most convenient access to this area.

Nakusp is the nearest major supply centre where material and services adequate to explore the property can be found. Infrastructure resources are excellent and readily available. The Property is within a few km's of the hydroelectric grid; and the region has

a long history of mining, hence personnel with heavy equipment, exploration and mining experience are available. The climate is benign, with agreeable Spring-Summer-Fall seasons and a temperate winter that sees relatively limited snow accumulations at lower levels, although accumulations may be substantial at elevation. Work in subalpine and alpine regions is seasonal, limited to July through mid October; at lower elevations the field season extends from late April until early November.

The Property is underlain by moderate to rugged slopes cut by deeply incised, steep tributary streams draining into MacDonald Creek. Elevations range from 700m to 2500 m. Tree species are dominated at lower elevations by Western Hemlock (*Tsuga heterophylla*) and Engelmann Spruce (*Picea engelmannii*) with some Interior Douglas Fir (*Pseudotsuga Menziesii var. glauca*); Subalpine Fir (*Abies lasiocarpa*) and Engelmann Spruce dominate at higher elevations; Western Redcedar (*Thuja plicata*) and Sitka Alder (*Alnus crispa*) occupy moist, shaded areas, avalanche shoots and steep stream beds; logged areas have been replanted with Lodgepole Pine and a scattering of Engelmann Spruce.

5.0 Geological Setting

The Property is contained within Upper Triassic and Lower Jurassic clastic, volcaniclastic and volcanic rocks comprising an arc and back-arc assemblage that extended the length of the Cordillera from Yukon to southern California. In southern

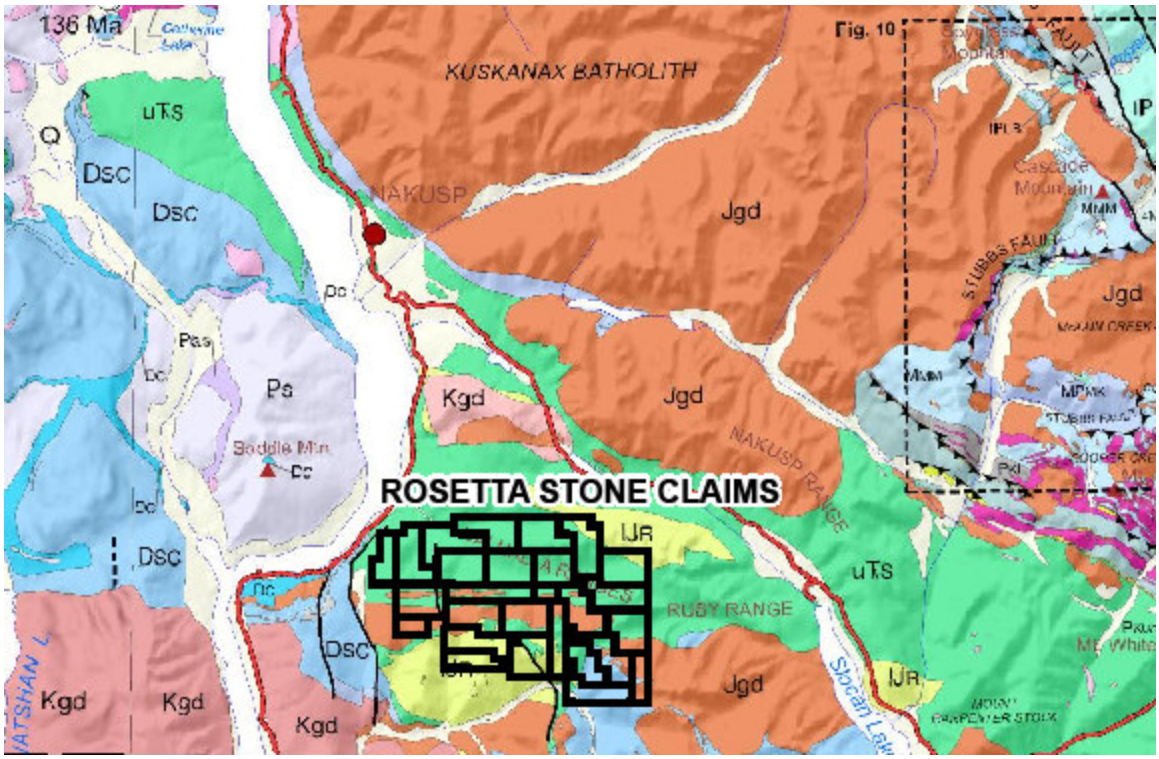

Figure 2: Regional Geological context of the Rosetta Stone Property. The belt of dark green rocks is the remnant of the upper Triassic-lower Jurassic back-arc basin. Map unit labels in order of age are: Ps: Paleoproterozoic, Monashee cover assemblage, paragneiss; Pas: Paleoproterozoic, Monashee cover assemblage, amphibolite; Dc: Devonian, Chase Formation, calcareous quartzite; Dsc: Devonian, Silver Creek Formation, pelitic schist; Mmm, Mmk: Mississippian, Milford Group, basalt, argillite, limestone; Pkl, Pkum: Permian, Kaslo Group, basalt, volcaniclastic and ultramafic rocks; uTs: Triassic, Slocan Group, carbonaceous mudstone, siltstone, limestone; lJr: Jurassic, Rossland Group, volcaniclastic rocks; Jgd: Jurassic granitoid rocks; Kgd: Cretaceous granitoid rocks.

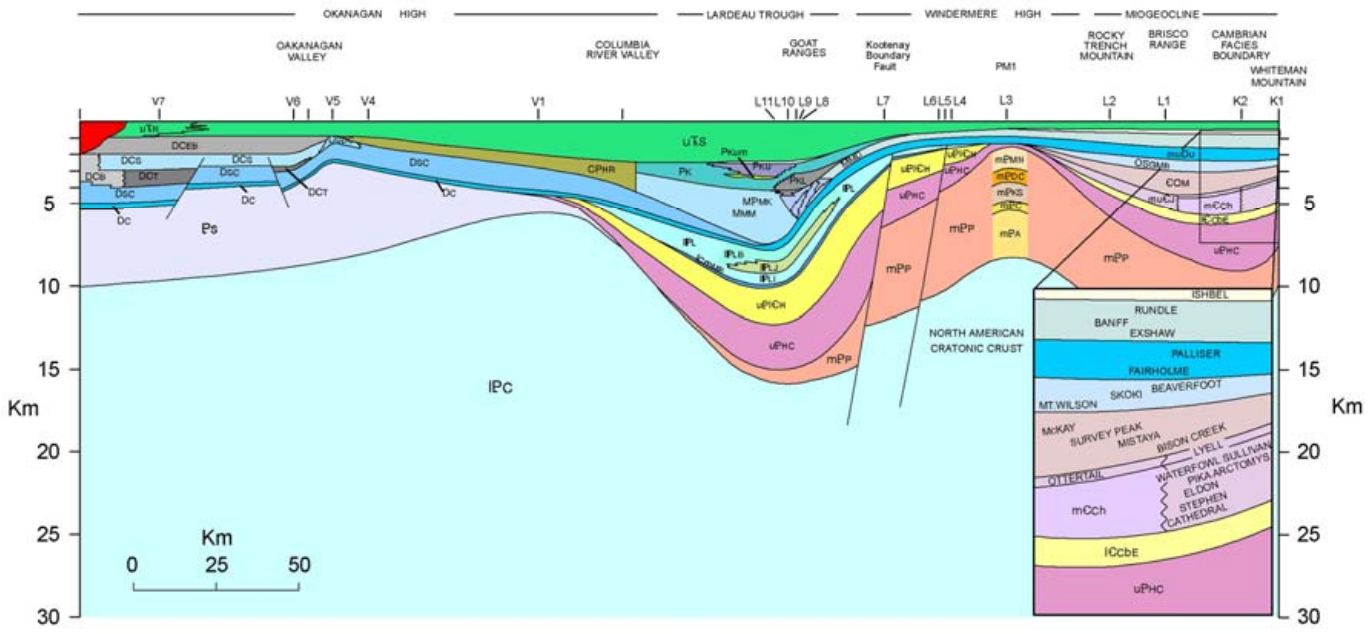

Figure 3: Regional stratigraphic cross section (not restored) showing the relative distribution and thickness of Upper Triassic-lower Jurassic strata (dark green) relative to older successions.

British Columbia the assemblage covered a vast region from present day Kamloops east and south to Rossland, British Columbia (Figs. 2 and 3). Regional lithofacies patterns feature carbonaceous clastic strata and rare limestone (Slocan Group) beneath and interfingering with clinopyroxene-phyric volcanic rocks and sills spanning calc-alkaline and tholeiitic varieties but including alkaline varieties as well (Thompson et. al., 2006; Mortimer, 1986; Höy and Dunne, 1997). The Triassic arc and back-arc were the last manifestation of back-arc crustal extension that initiated late in the Devonian, at the close of lower Paleozoic miogeoclinal sedimentation. A mid-Devonian shallow sea that extended from the Rocky Mountain Trench (present day coordinates) west to Kamloops, began to founder, and by late Devonian time continental margin extension had cracked the crust generating felsic, within crust magmatism, followed by mafic volcanism (Tsalkom Formation) derived from mantle sources. This initial pulse of arc-related magmatism in the late Devonian-early Mississippian (Eagle Bay assemblage) was followed by two more, one in the late Mississippian and Permian (Harper Ranch and Kaslo groups), and finally the late Triassic-early Jurassic one (Nicola, Slocan and Rossland groups).

During the late Jurassic, the arc and back arc, together with subjacent assemblages, were deformed, uplifted and intruded, first by Upper Jurassic (~160-180 Ma) diorite to quartz monzonite, later by Cretaceous (~70-90 Ma) granodiorite and granite, and most recently by small felsic Tertiary (~50 Ma) stocks and sills.

Mountain building was protracted (180-50 Ma) with the net effect in the west Kootenays of producing a convex east, curvilinear belt of tightly folded and faulted strata called the Kootenay Arc (Fig. 2). West of the Kootenay Arc structural trend, the Paleozoic and Mesozoic stratigraphic succession forms broad, open folds trending east-west; faults are local and steep dipping with little or no structural repetition across them. This contrast in structural style with the Kootenay Arc reflects the impingement of an outer crustal block called the Okanagan High, against the North American continental margin (Thompson et. al., 2006). The effect was a vise-like squeeze of the intervening basin of Paleozoic and Mesozoic strata. Hence, the Rosetta Stone Property, which is located roughly 32 km west of the Kootenay Arc structural belt, sat atop the outer block of continental crust, near its eastern margin.

5.1 Local Geology

The Property is strategically located atop the western margin of the lower Paleozoic miogeoclinal succession (Horsethief Creek, Hamill, Badshot and Lardeau groups; Figs. 2 to 4) where this margin is overlapped first by shallow water mid-Devonian calcareous quartzite (Chase Formation), and subsequently by upper Devonian pelitic schist (Silver Creek Formation), upper Devonian and Mississippian calcsilicate-bearing carbonate rocks (Milford Group?), Mississippian? amphibolitic schist (Scalping Knife amphibolite), Permian amphibole-bearing metavolcanic rocks (Kaslo Formation) and finally, upper Triassic and lower Jurassic carbonaceous mudstone and mafic volcanic rocks (Slocan and Rossland groups; Thompson et. al., 2006; Hyndman, 1968; Read and Wheeler, 1976). This mid Paleozoic to lower Mesozoic arc-related succession overlies, with profound

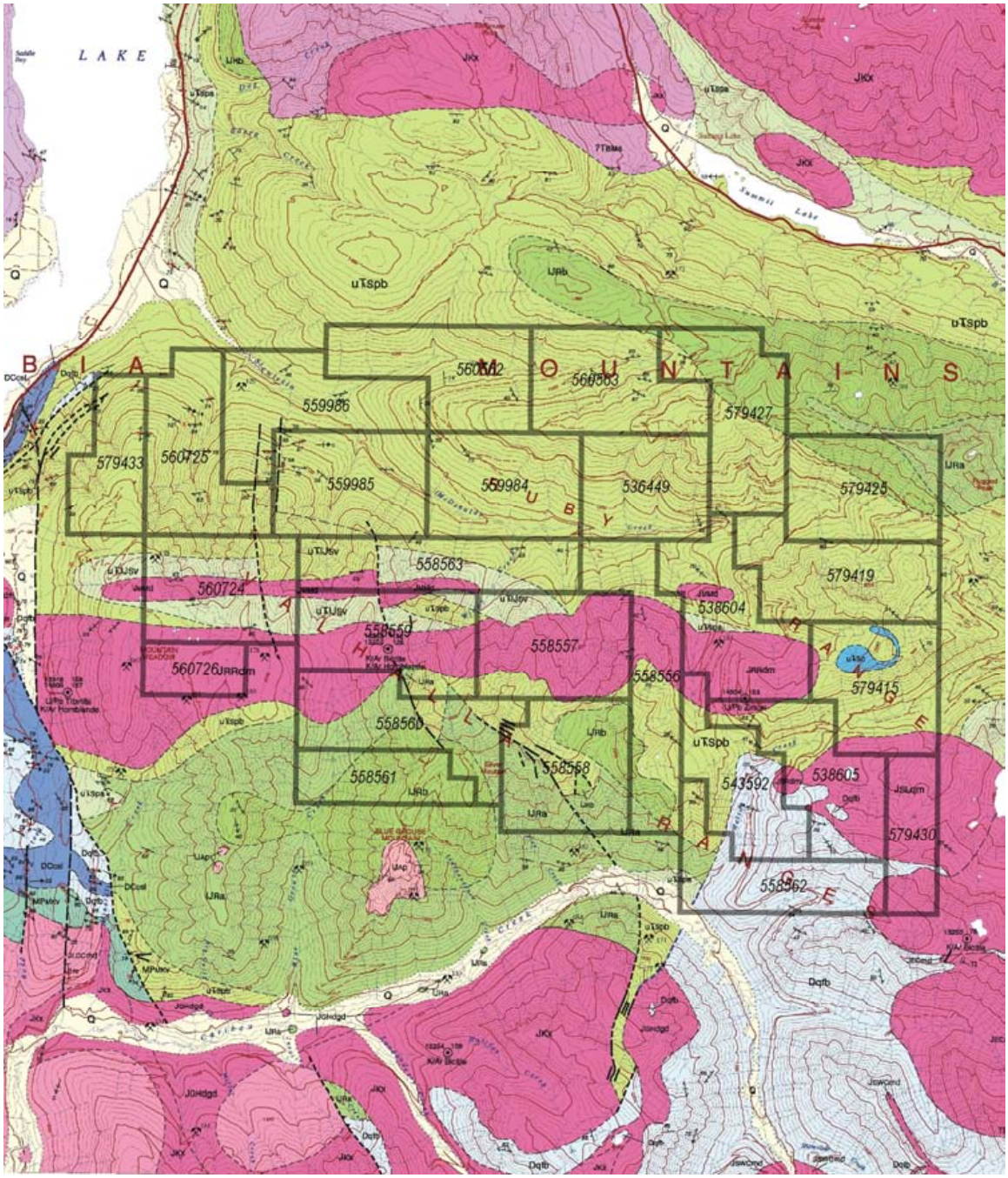

Figure 4: Area geology of the Rosetta Stone Property modified from Hyndman, 1968).

unconformity, a metamorphic basement consisting of schist and paragneiss, portions of which is as old as 1600 Ma.

At belt of Jurassic (~160-180 Ma) intrusions, mainly biotite-hornblende quartz monzonite to granodiorite, form a linear, east-west belt extending from Merritt to Slocan Lake (Fig 2). One of these intrusions, the Ruby Range Stock (Hyndman, 1968) forms a narrow linear body, about 1 km wide and 10 km long, that traverses the Property (Fig. 4). A co-linear belt of Cretaceous monzogranite and granodiorite extending from Whatshan Lake east to the Rocky Mountain Trench, in part intrudes the older Jurassic plutons. These relationships are apparent on the Property (Fig. 2).

Position of the property above an old basin margin (Fig. 3), and on trend with linear belts of Jurassic and Cretaceous intrusions augers well for mineral prospectivity.

5.2 Property Geology

5.2.1 Stratigraphy

The Property is underlain by Devonian-Mississippian pelitic quartzite and pelite belonging to the Silver Creek Formation and (or) Milford Group; upper Triassic, lower Jurassic carbonaceous meta-mudstone with relatively minor calcareous quartzite and limestone belonging to the Slocan Group, and scant volcanic breccia belonging to the Rossland Group (Fig. 5).

Silver Creek Formation and (or) Milford Group:

The Silver Creek Formation and (or) Milford Group (map unit DvMsp; mid Paleozoic) consists of quartzite, carbonaceous quartzite, biotite-quartzite, and carbonaceous, siliceous phyllite and schist. The quartzite is white to light grey, and weathers grey to tan (Fig. 6); it is fine-grained, granular, may be slightly micaceous (muscovite), and forms blocky to massive outcrops.

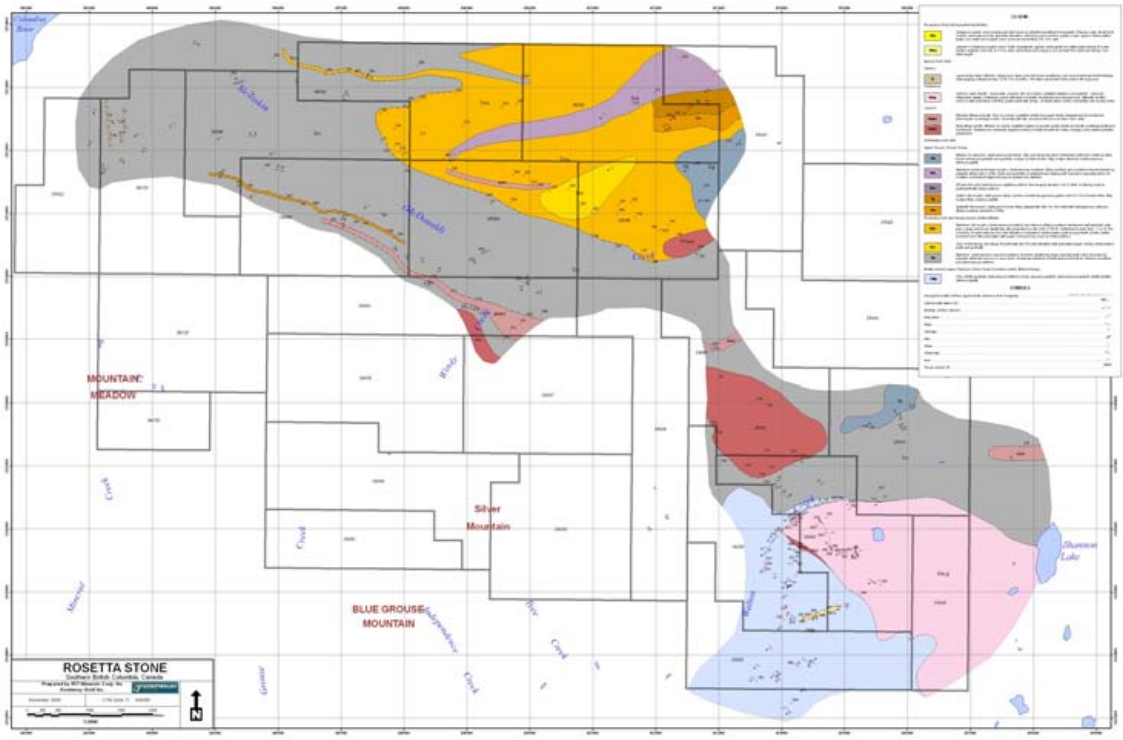

Figure 5: Geological map of the Rosetta Stone Property showing a detailed distribution of lithofacies. A more complete version of figure 5 appropriate for printing is present as Appendix 1.

Figure 6: Orthoquartzite with tan-weathering rind containing disseminated pyrite.

The pelitic (carbonaceous) quartzite and siliceous pelite are medium grey, and weather medium to dark grey; they are fine-grained, homogeneous composites of quartz and mica (biotite ± muscovite) and form flaggy to blocky outcrops (Fig. 7). Carbonaceous, siliceous phyllite and schist are dark grey to black, may be sooty to highly micaceous,

Figure 7: Typical blocky to massive character of biotite-quartzite comprising Silver Creek Formation. Hammer at lower left for scale.

and form recessive intervals a few cm to m's thick; thicker intervals may contain deeply oxidized sandstone interbeds lacking internal cohesion (Fig. 8). At first glance it may be difficult to distinguish this succession from Slocan phyllite; however there are several criteria that can be used to help make the distinction: 1) Foliation-parallel quartz veins, often deformed into rootless, isoclinal folds (Fig. 9); 2) presence of biotite and often muscovite in the pelitic lithologies (Fig. 10); 3) an overall siliceous composition and the presence of orthoquartzite; 4) often complicated internal (mesoscopic and microscopic) fold patterns (Fig. 11).

Figure 8: Recessive, phyllitic interval of Silver Creek Formation with more resistant sandstone beds variably oxidized and lacking internal cohesion (hammer head at oxidation front).

Figure 9: Typical rusty brown and yellow weathering carbonaceous phyllite with sheen typical of biotite-rich composition.

Figure 10: Rootless, interfolial, isoclinal folds in quartz veins.

Figure 11: Complex folding in layers having different competencies, Silver Creek Formation.

The Slocan Group:

The upper Triassic Slocan Group is characterized by black, sooty, carbonaceous mudstone and siliceous mudstone, carbonaceous fine-grained limestone, and fine-grained to flinty carbonaceous quartzite. The succession has been metamorphosed (greenschist) and deformed (cleaved); however, it does not contain the isoclinally-folded quartz sweats typical of the older mid Paleozoic succession. Aphanitic sills 1 to 10's of metres thick, form an integral component of the succession in the western portion of the Property.

The group has been subdivided into four primary mappable units: 1. Mudstone (map unit Tr_m); 2. mudstone-sill complex (map unit Tr_{ms}); 3. mudstone-mudstone breccia complex (map unit Tr_{bx}); and 4. limestone-sandstone unit (map unit Tr_{lq}). Additional subunits were mapped locally.

Mudstone (map unit Tr_m): Outcrops may be shaly, platy or flaggy depending on competence and layer thickness (Fig. 12). Contacts are typically sharp and planar. Internal, low-angle cross laminations may be preserved within the more-siliceous units. Authigenic euhedral pyrite crystals are ubiquitous in some mudstone beds -- many cubes have pressure shadows in the cleavage plane, filled by fibrous quartz and carbonate (Fig. 13). This unit is recessive weathering, cleaved, and occupies the lower reaches of MacDonald Creek, especially along its north-facing slope.

Mudstone-Sill complex (map unit Tr_{ms}): Aphanitic, pale to medium grey, deeply weathered sills form a significant proportion of this map unit. The sills may be 1 to 10's of metres thick, and comprise 20% to 50% (estimate) of the map unit. Hard and flinty, the sills form resistant outcrops which are obvious in most cases because of orange, brown and red weathering rind (Fig. 14). Iron-carbonate and Fe-oxide alteration rinds.

Figure 12 Mudstone unit of the Upper Triassic Slocan Group deformed by a fracture cleavage having Fe-oxide staining. Bedding is into slope.

Figure 13: Euhedral, authigenic pyrite in carbonaceous mudstone of the Upper Triassic Slocan Group.

may be 10's of cm wide; pyrite and pyrrhotite are normally present as disseminations; and quartz veins having numerous small vugs filled by euhedral quartz and iron carbonate, are common (Fig. 15). Mudstone interlayers are more resistant than their non-intruded counterparts, a consequence of replacement by silica, Fe-carbonate, and (or) thermal metamorphism (Fig. 16). Estimating proportions of sill to mudstone is difficult to estimate given the paucity of exposure, and preference of the more resistant sill material to outcrop along road embankments. Thickness and spacing is variable with the proportion of sill to mudstone increasing up section and westward into the upper reaches of MacDonald Creek; lateral continuity is measured in 100's to 1000's of metres.

The sills are fine crystalline to aphanitic, light to medium grey, and are inferred to have a basaltic to andesitic composition (diorite to quartz diorite). Porphyritic textures (hornblende and/or pyroxene) are observed on occasion. Textures are generally

Figure 14: Fine crystalline, aphanitic sill (basaltic andesite) illustrating Fe-carbonate rind.

Figure15: Open space in quartz vein occupied by euhedral quartz and brown Fe-carbonate.

Figure 16: Flinty mudstone showing evidence of silicification and discontinuous replacement of laminae; pyrite/pyrrhotite disseminated throughout. This “baked” appearance is typical of mudstone facies within mudstone-sill complex.

consistent; however, aphanitic varieties may be difficult to distinguish from baked and altered host mudstone. Pervasive alteration to Fe-carbonate and Fe-oxide accompanied by silicification may completely obscure original textures and relationships amongst layers. Zones of wholesale alteration evidenced by absorption of sill and or mudstone is not uncommon (Fig. 17), and is testament to large-scale fluid migration through the rock mass.

Figure 17: Absorption of sill or mudstone by advancing silicification front passing through rock. Disseminated pyrite and pyrrhotite occurs throughout.

Mudstone-mudstone breccia complex (map unit Trbx): A mixture of carbonaceous mudstone, and brecciated mudstone forms a mappable unit in the northwest part of the Property and is considered important as a potential host for massive sulphide mineralization. Sills are present but not obvious.

Both the mudstone and the mudstone breccia may be flinty, silicified, and altered. Disseminated pyrite and pyrrhotite are common as are sulphide seams in some highly oxidized layers.

The breccias consist of angular to sub-rounded, variegated mudstone (and sill) clasts in a dark carbonaceous matrix (Fig. 18). Pyrite and pyrrhotite may, on occasion, rim and (or) replace clast margins. Eoxtic clasts consisting of mafic igneous as well as layered metasedimentary material, suggest breccia formation involved vertical mixing as a consequence of volatiles streaming through the succession (Fig. 19).

Figure 18: Mudstone breccia consisting of angular, silicified mudstone clasts in mudstone breccia.

Mudstone breccia also occurs on the south slope of MacDonald Creek where carbonaceous mudstone belonging map unit Trm is intruded by Jurassic Ruby Range quartz diorite. The breccia is stratiform in character, 2 to 3 metres thick, and proximal to a sill like those within the sill complex. This occurrence (Fig. 20) is interpreted as an extension of the mudstone-mudstone breccia complex where it feathers-out to the south.

Limestone-sandstone unit (map unit Trlq): Grey, bedded limestone, carbonaceous limestone, beige sandstone represent the stratigraphically highest unit within the Slocan Group. Beds are thin to medium and planar with sharp contacts (Fig. 21). Low angle cross stratification is preserved in some sandstone beds.

Figure 19: Sub-rounded mafic clast in mudstone breccia.

Figure 20: Mudstone breccia on south slope of MacDonald Creek interpreted as a tongue extending southward from the main exposures on the northeastern margin of the Property.

Figure 21: Sandstone and calcareous sandstone forms a resistant rib holding up ridge on the northwest side, headwaters of Shannon Creek.

Igneous Rock Units

Ruby Range diorite (Jurassic 145-158 Ma; map unit JRRd): The Ruby Range diorite forms a linear, dike-like intrusion roughly 1 to 1.5 km wide and 10 km long. It can be traced regionally from Mountain Meadow on the west to the divide between MacDonald and Caribou creeks on the east. The intrusion consists of medium- to coarse crystalline quartz monzonite, quartz diorite and diorite containing biotite and hornblende; feldspars are subhedral (hypidiomorphic) in a biotite-hornblende matrix, lending a somewhat porphyritic appearance (Fig 22). Contacts are sharp where it intrudes the Slocan Group and where it is intruded by the Cretaceous Shannon Lake granite. The Ruby Range stock hosts Poly metallic quartz vein occurrences; however none of these occurrences was visited by the author. Dikes and apophyases of the Ruby Red diorite occur throughout the region, typically as metre to metres thick tabular bodies, often associated with quartz veins.

Mountain Meadow diorite (presumed Jurassic; map unit JMMd): The Meadow Mountain diorite is a tabular intrusion approximately 60 m wide and 3.5 km long mapped

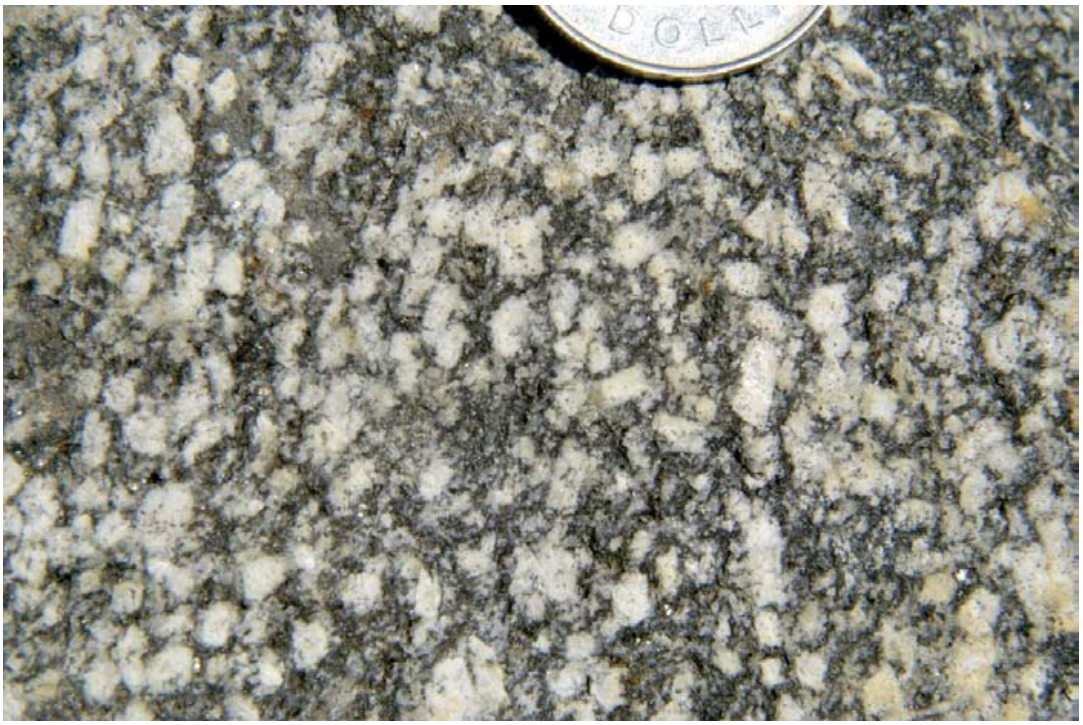

Figure 22: Typical hypidiomorphic texture of the Ruby Red diorite.

immediately north of the Ruby Range stock on the south slope of MacDonald Creek. It consists of fine- to medium crystalline diorite and quartz diorite characterized by ragged hornblende phenocrysts in a feldspar matrix. Westward extension of the Meadow Mountain diorite occurs into the upper drainage of Shannon Creek suggesting this sill-like body has regional extent. Presumably, this intrusion was emplaced at about the same time as the Ruby Red stock, and as such may represent a magmatic offshoot from the main igneous body.

Shannon Lake Granite (Cretaceous : ~76 Ma; map unit KSLg): The Shannon Lake granite occupies the upper drainage of Shannon Creek where it forms resistant, white weathering cliffs extending south into the alpine. It is a massive, fine- to medium crystalline alkaline monzogranite consisting of plagioclase (albite), K-feldspar and quartz with traces of biotite, hornblende and clinopyroxene (Fig. 23). The Shannon Lake granite epizonal: miarolitic cavities (Fig. 24) are common, lined with euhedral to colloform

Figure 23: Typical massive, fine crystalline character of Shannon Lake granite; margin of 2 dollar coin for scale.

Figure 24: Miarolitic cavity in Shannon Lake granite; cavity is lined by euhedral quartz crystals coated by a brown Fe-oxide.

quartz and carbonate; quartz-carbonate veins are also common, especially proximal to zones of brecciation accompanied by sericitic to kaolinitic alteration (Fig. 25). Contacts with host metasedimentary rocks are sharp; however, mapping suggests interdigitating geometry with host rocks.

Figure 25: Quartz-Fe carbonate vein intruding Shannon Lake granite.

Lamprophyre dikes (presumed Tertiary; map unit TL): Lamprophyre dikes can be found through out the region. They are massive, dark grey to black, greenish brown weathering, pyroxene-hornblende-olivine-biotite-feldspar rocks ranging in thickness from 0.5 to 10's of metres. The dikes cut all other rocks units in the map area and are presumed Tertiary in age. They are steeply inclined to vertical and have a preferred northerly strike.

5.2.2 Structure

The Property is dominated by a gently, east-southeast plunging anticline having limb dips of roughly 35 degrees and an axial trace roughly parallel to MacDonald Creek. Cleavage dips more steeply (50-80 degrees), generally southward, suggesting asymmetry towards the south (Fig. map). From an economic viewpoint, this has potential importance for any stratabound style of mineralization: prospective units would project across MacDonald Creek from the north limb to south limb of the fold.

Slocan Group rocks preserve both bedding and cleavage whereas bedding is transposed in the older mid Paleozoic succession (map unit DvMsp). Evidence of this is interfolial isoclines in which layering and fold axial planes are parallel (Fig. 26). Cusp-and-lobe

Figure 26: Interfolial isoclinal folds in map unit DvMs. Layer transposition likely throughout much of this map unit.

style folds (mullions) are sometimes developed along layers having significant competency contrast (Fig. 27).

Regionally, there is evidence of an older deformation that affected pre Mississippian rocks (Read and Wheeler, 1976); the contrast in structural styles at the mesoscopic scale

Figure 27: Cusp and lobe folding along contact with large competency contrast. Mudstone at left is able to flow, thicken around lobe shapes in more competent sandstone.

seen on the Property, between the Paleozoic and Mesozoic successions, may support this notion.

There appear to be at least to generations of quartz veins, an older one in which some ductile and or brittle deformation is preserved (Fig. 28); and a younger one in which delicate rectilinear box-work structures remain undeformed (Fig. 29). The former is presumed associated with emplacement of the Jurassic Ruby Range stock and its kin; the latter with emplacement of the Cretaceous Shannon Lake stock.

Regionally, the Property is part of a gently to moderately folded succession about east-west trending axes that formed during the Jurassic, at approximately 180 Ma. The significant contrast in style with the tight folding and faulting along the southeast trending Kootenay Arc to the east supports the notion that the Property sat atop a crustal

Figure 28: Deformed quartz vein in argillaceous quartzite.

Figure 29: Delicate stockwork of quartz veins in altered and brecciated host along the margin of the Cretaceous Shannon Lake granite. These veins carry up to 17 g Au.

block (Okanagan High) that drove, prow-like, against the western margin of a sedimentary trough (Lardeau Trough) filled with Neoproterozoic through Triassic strata, that was bounded by the Windermere High to the east, and the Okanagan High to the west (Thompson, et. al., 2006).

6.0 Mineralization and Potential Deposit Types

There are two, new, primary exploration targets on the Property: 1) new gold (Au) discoveries in quartz veins, stock works and breccias having characteristics consistent with epithermal-style gold mineralization, and spatially associated with the Cretaceous Shannon Creek granite (Fig. 5); and 2) pyrite- pyrrhotite rich mudstone breccias having massive sulphide potential which are associated with a sill complex intruded during deposition of the Upper Triassic Slocan Group anoxic mudstones. Neither target has received more that preliminary assessment; however, both have geological merit in terms of geological setting and rock associations.

Epithermal Gold Potential: Two new showings have been discovered and informally named: 1) the road showing (UTM 11 454595, 5546143) which is 94 m long and 4 to 6 m wide; and the creek showing (UTM 11 454009, 5545977) which is 18 m long and 2 to 4 m wide. Open space fillings associated with crustiform, colloform and (or) bladed quartz (chalcedony), quartz-carbonate replacement textures, localized sericitic alteration, and association with zinc, lead and copper are field characteristics consistent with low sulphidation epithermal deposits. The gold-bearing vein/breccia systems are associated with and peripheral to the epizonal Shannon Lake granite, in which miarolitic cavities (representing “bubbles” of fluid presumably liberated at low pressure) with euhedral mineral projections, are common (*ref*. Fig. 24). Zoning of Au values within the road showing, with grades increasing toward the center of the vein/alteration system, suggests resurgence (multiple injection) of Au-bearing fluids and (or) gases.

Evaluation of the gold potential of this epizonal igneous system is at a preliminary stage. Epithermal-type gold was discovered during a regional prospecting program (2006-08); the initial stages of systematic prospecting and sampling are underway in combination with geological mapping (2008) and soil sampling.

The road showing is recessive weathering, and consists of a series of quartz carbonate veins, brecccia and stockwork in a matrix of sericite- and clay altered granite (Fig. __).

Figure 30: The road showing, a recessive, 6 m wide interval of sericite- and clay altered granite with multiple quartz and quartz-carbonate veins, breccia and stockwork. Gold values increase toward the center of the zone suggesting resurgence of fluids and (or) volatiles over time. The granite borders are relatively fresh but intensely fractured and veined.

A typical mineralized vein is 1 to 10 cm wide, fractured and or brecciatred, and enveloped by friable, brown weathering sericite/clay altered host granite (Figs. 31 and 32).

Figure 31: Typical quartz-carbonate vein within road showing.

Figure 32: Close-up view of alteration textures within mineralized, quartz-carbonate vein of the road showing.

The alteration envelope adjacent to the road showing is narrow, on the order of 5 to 10 m. There is a dense network of quartz veins, feldspars are chalky, sericite is ubiquitous, and fractures are often open, and lined by euhedral and or colloform quartz coated by Fe-oxide (Fig. 33).

Figure 33: Euhedral and colloform quartz lining open vein in alteration zone adjacent to the road showing.

The road showing can be projected 430 m along strike to the south and into cliffs of Shannon Lake granite which contain similar but narrower bands of alteration associated with quartz carbonate veining (*ref*. Fig. 5); this suggests the zone of alteration and veining has significant size potential.

The creek showing (Fig. 34) is similar in most aspects to the road showing. It is located at the margin of the Shannon Lake granite and trends southwest. Here, creek-washed exposures reveal quartz-carbonate altered breccia (Fig. 35), stockwork, and quartz veins

with cavities lined by euhedral quartz (Fig. 36). It is the late, open, quartz veins that appear to carry the most significant Au values.

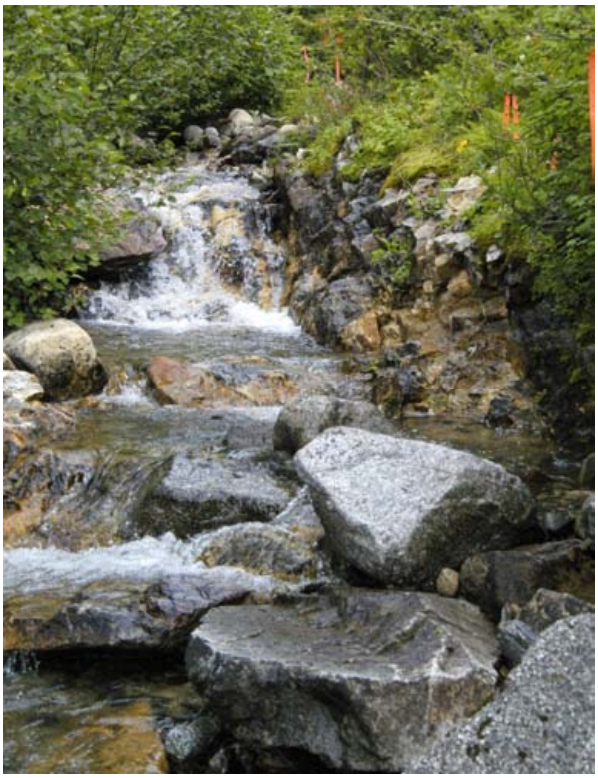

Figure 34: Zone of quartz-carbonate-sericite alteration in breccias, stockwork and veining of the creek showing. Zone is 2 to 4 m wide and at least 18 m long, in and parallel to creek bed.

It appears that the showings are related to the late-stage evolution of the Shannon Lake granite. The granite margins may be the most prospective geological environment to proceed with exploration for additional showings.

Massive Sulphide Potential:

The thick mudstone-sill complex of map unit Trms and associated mudstone-mudstone breccia map unit Trbx are the westward continuation of this succession from the Enigma Property located 21 km due east, along strike, in the upper reaches of Wilson Creek. On the Enigma Property, pyrrhotite-pyrite-chalcopyrite-sphalerite massive sulphide lenses in mudstone breccia are known from at least two localities within a 70-300 m thick

Figure 35: Quartz-carbonate breccia in carbonaceous matrix of the creek showing. Clasts are fractured, veined and altered.

Figure 36: Quartz vein with cavity lined by euhedral quartz. There veins appear to carry the most significant Au values.

stratabound mineralized succession consisting of mafic sills (augite porphyry; diabase), carbonaceous mudstone, mudstone breccia, siltstone and carbonaceous limestone. This succession is homoclinal, having a strike length of at least 4000 m – open at both ends. Disseminations, stringers and veinlets of pyrrhotite and pyrite with subordinate chalcopyrite and sphalerite are ubiquitous within the mineralized succession.

Given the geological similarities between properties, it is probable that the Rosetta Property is the on strike continuation of Enigma Property geology. It seems clear that there was a sill emplacement event during or soon after deposition of Slocan Group mudstone that occupied an east-west trend and had a length of at least 25 km.

The Property has not been prospected or explored for its massive sulphide potential. However, the presence of disseminations and seams of pyrite and pyrrhotite (± chalcopyrite and sphalerite), the extensive zones of Fe-carbonate and -oxide alteration, the presence of flinty mudstone and mudstone breccia (*ref* Figs. 14 and 17), and the significant thickness of sill material within the mudstone succession, all support the notion that massive sulphide potential exists and should be exploited.

Quartz carbonate veins within the mudstone-sill complex also merit evaluation. Often, deeply altered sill material will be cross cut by veins having open vug-like space, filled by euhedral quartz and Fe-carbonate and carrying anomalous Au concentrations. In some cases these veins are themselves brecciated (Fig.37), suggesting volatile expulsion associated with vein development. It's not clear whether the veins are associated with the late stages of sill emplacement or with a much later igneous event like the emplacement of the Ruby Range diorite.

Figure 37: Brecciated quartz-carbonate vein from mudstone-sill complex (map unit Trms).

Other Mineralized Vein Types:

A third exploration target, mineralized quartz veins trending 40^{o} in the southwestern margin of the property where they cut older Devonian and (or) Mississippian pelite and quartzite, were encountered during geological mapping (Fig. 38). The zone of veining (UTM 11 454600, 5544650) is estimated to be 60 plus metres wide and at least 800 metres long. Pyrite ± galena (and sphalerite) were observed; however this vein system has not been prospected. Unlike veins described above, these veins are dominated by white, coarse-crystalline quartz that lacks internal open space. Sulphides are present where Fe-oxide staining is most prevalent.

Figure 38: Mineralized quartz vein cutting map unit DvMsp. This vein set trends 40°, is at least 60 m wide and has a strike length in excess of 800 m.

7.0 Exploration

The property operator has conducted exploration on two fronts: 1) Prospecting supported by rock sample geochemistry, performed under contract by C. Kennedy, T. Kennedy, M. Kennedy and S. Kennedy (referred to herein as the Kennedy's) all of Kimberly, B.C.; 2) soil sampling carried out under contract by Klewchuck; and 3) property-scale geological mapping performed under contract by R. Thompson of RIT Minerals Corp.

Results from prospecting and rock geochemistry are provided in appendices 2 and 3 as tables of analytical results. Results of the geological mapping are provided as a geological map in Appendix 1 and as figure 5.

8.0 Sampling Method and Approach

All of the surface outcrop samples taken by the Kennedy's from the Property are early-stage or reconnaissance geochemical exploration samples, intended to identify areas with anomalous precious and/or base metal grades and anomalous trace element geochemistry. The area of concentration was in and along the margin of the Shannon Creek granite, where it outcrops in the headwaters of Caribou Creek. Surface rock (grab) geochemical samples were collected from outcrops along road cuts and along Caribou Creek. Each sample was provided a unique field number, UTM coordinates and a description of the sample material (Fig. 39, Appendix 2). In all, 28 samples were collected.

A soil grid was sampled over the same area of Shannon Creek granite as was prospected, and a single road-parallel line was sampled on the north side of MacDonald Creek (Figs. 40 and 41, Appendix 3). Samples of the oxidized B soil horizon were targeted; sample spacing was 25 m along lines spaced 100 m apart.

All samples were securely handled. Sample material was placed in polyurethane (rock) and kraft paper (soil) bags, secured with tape and remained in the possession of the Kennedy's prior to shipment to ACME Labs Ltd. in Vancouver, B.C together with a sample shipment form listing the sample numbers.

9.0 Data Verification

The surface samples from the Property are intended to identify areas with evidence of precious- and base-metal mineralization. Laboratory analytical certificates from Acme Labs were vetted by the author for unreasonable values caused by typographical errors, mistaken units, or corrupted data entries. Results were also checked against internal ACME standards for both accuracy and precision.

A phased geochemical exploration strategy for precious and base metals in southeastern British Columbia is used by Kootenay Gold Inc. to evaluate regions for possible mineralization. Once a target area has been defined using regional geoscience data bases

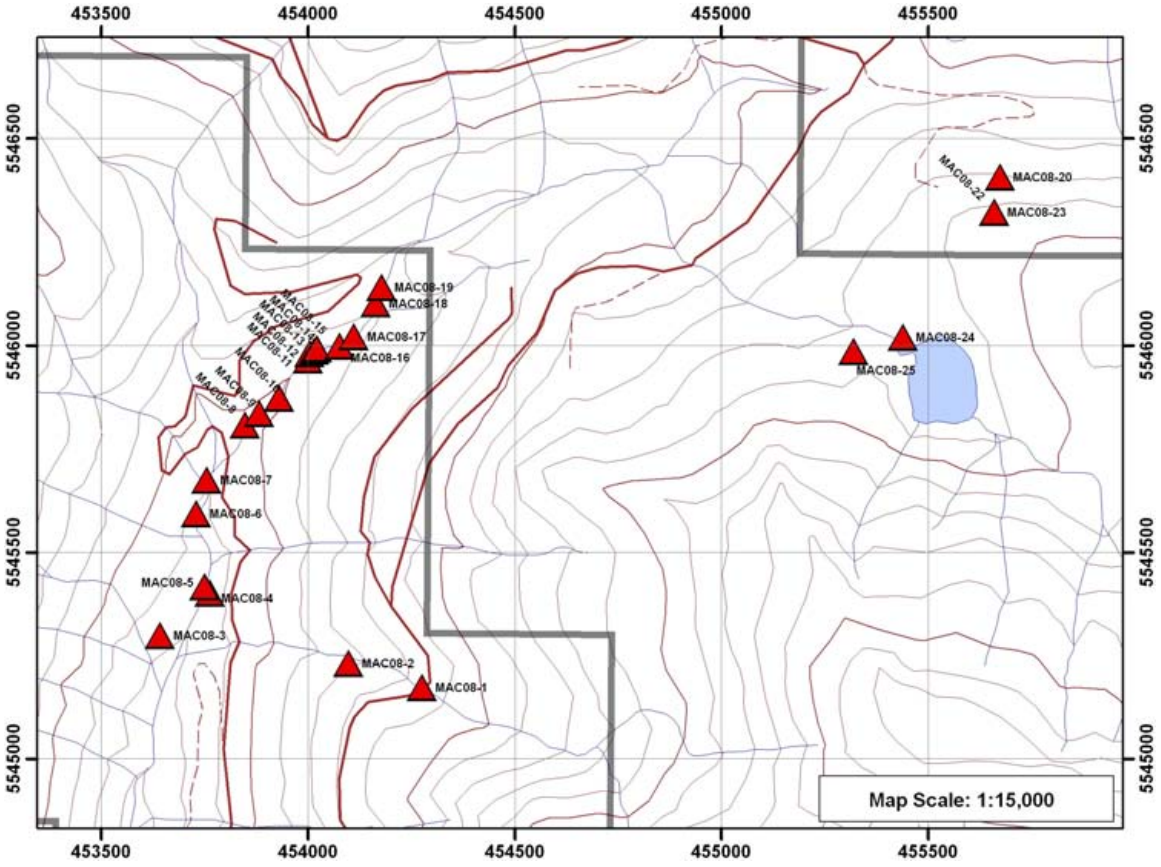

Figure 39: Map showing distribution of rock samples collected for chemical analysis (*ref* Appendix 2 for table of results).

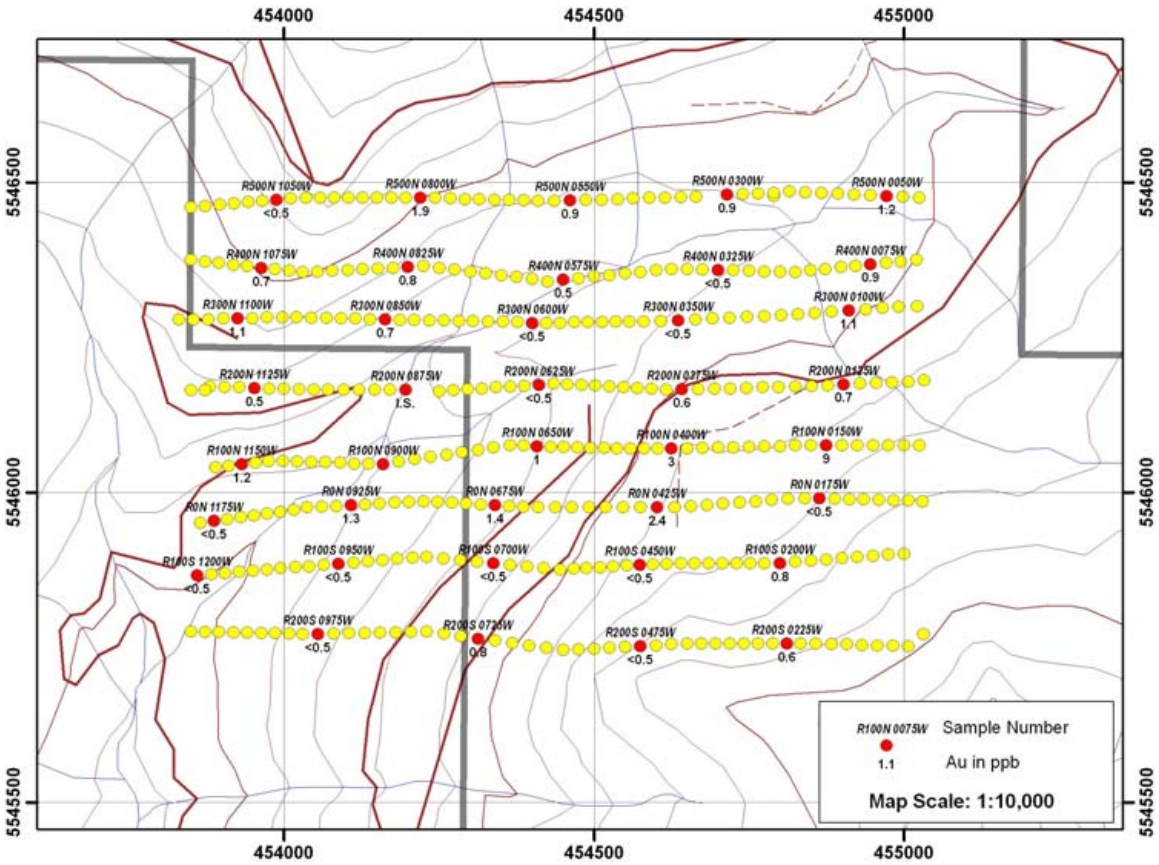

Figure 40: Map showing distribution of soil samples collected from the Shannon Lake granite at the headwaters of Caribou Creek (*ref* Appendix 3 for table of results).

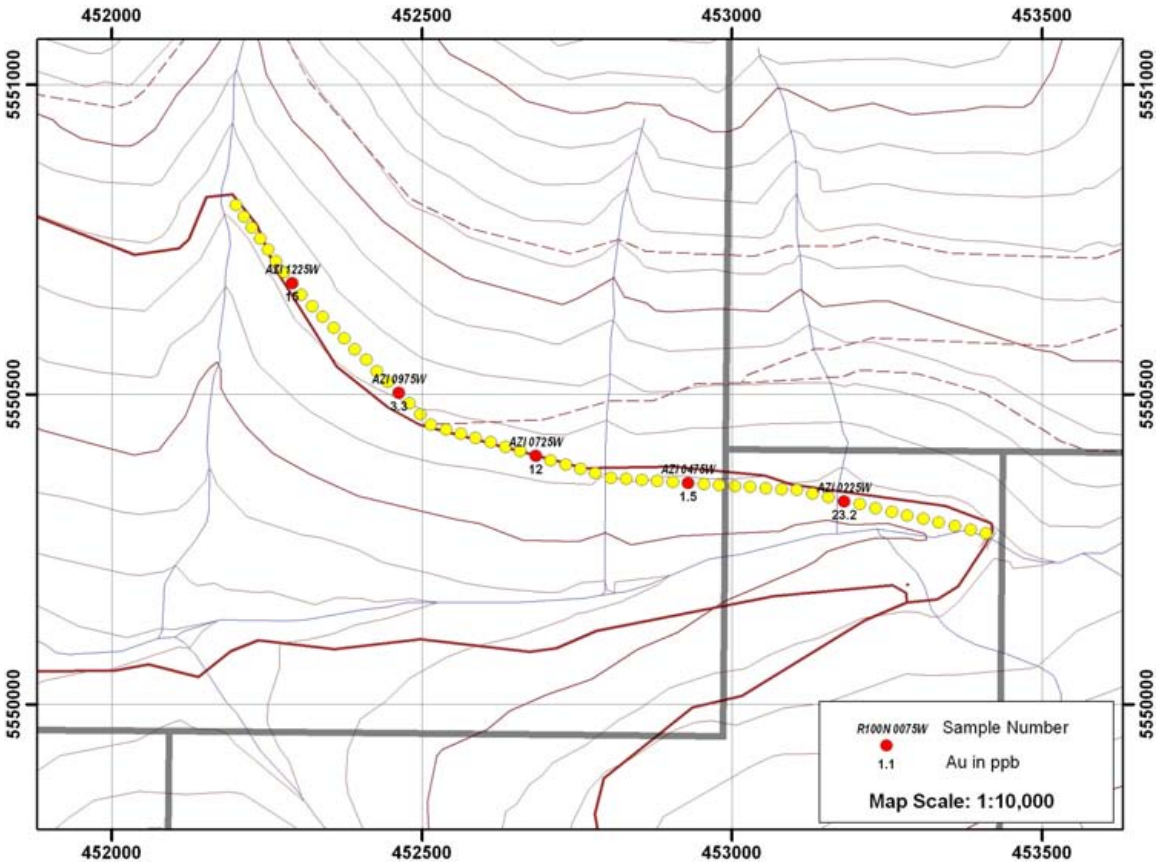

Figure 41: Map showing distribution of soil samples collected from the north side of MacDonald Creek (*ref* Appendix 3 for table of results).

available from provincial and government agencies, reconnaissance prospecting and rock (grab) sampling supplemented by property-scale geological mapping is undertaken to establish specific mineralized targets; once found, subsequent prospecting and rock sampling is done to better define the target supplemented by silt and (or) soil sample programs to help establish shape and size of the mineral target in areas where bedrock is not exposed.

10.0 Interpretation and Conclusions

The Rosetta Stone Property has two primary exploration targets: 1) Epithermal-like veins in and marginal to the Cretaceous Shannon Lake granite; and 2) Cu-Zn massive sulphide associated with Triassic age Slocan Group mudstone breccia. Secondary targets are quartz-carbonate veins spatially associated with the mudstone-sill complex and (or) the Jurassic Ruby Range diorite, and quartz veins that cut older Paleozoic strata.

The epithermal veins are interpreted as late stage volatile escape structures associated with fluid-volatile exolution within the epizonal Shannon Lake granite. Presence of open space filled by euhedral and or colloform quartz, presence of chalcedonic quartz along fracture surfaces, sericite and clay (kaolinite) alteration, ubiquitous carbonate gangue, and associated base metal mineralization (Cu, An,Pb), all restricted to or in the immediate vicinity of the vein-breccia systems, support the interpretation of a low sulfidation environment of emplacement (i.e. presence of neutral pH fluids; Sillitoe, 1993). Presumably the Shannon lake granite was emplaced at a shallow level within the crust where circulating meteoric waters may have been tapped. The interaction of added water with volatile exolution within the periphery of the stock could have produced the vein systems now exposed at surface.

Massive sulphide potential exists within lithologies typically associated with Besshi-type massive sulphide occurrences. Breccias consisting of aphanitic, flinty (sill) clasts in a mudstone matrix suggest intrusion of sills into semi-consolidated, saturated sediments proximal to the sea floor accompanied by phreatic-like subsurface eruptions. The association: basaltic-andesite sill, mudstone breccia, and pyrite-pyrrhotite disseminations and seams is consistent with Besshi-type massive sulphide deposits, a class of strata-bound deposit that occurs in thick sequences of clastic sedimentary rocks and intercalated mafic to intermediate volcanic rocks and (or) sills. The Property is part of an Upper Triassic-Lower Jurassic (Slocan-Rossland) back-arc basin; as such it is the same age as the Windy Craggy Besshi-type massive sulphide deposit in northwestern British Columbia, the world's largest such deposit boasting 297 Mt of ore grading 1.4% Cu and 0.3% Zn (north zone only; Gammon and Chandler, 1986; Downing et al., 1990; Peter and Scott, 1990; Danielson, 1991). Along strike continuation with the Enigma massive sulphide occurrence 22 km to the east, substantial thickness of mudstone and sills (Enigma-type stratigraphy), and extensive Fe-carbonate alteration make the Rosetta Stone a property of merit.

In Japan (Besshi mining district, Shikoku Japan), the United States (Ducktown District, Tennessee) and Africa (Matchless amphibolite belt, Namibia), belts of prospective rocks have strike lengths measuring 10's to 100's of km; in each case several mines occur along the strike of each mineralized belt. By analogy, Rosetta Stone may be part of such a belt, representing an under-recognized class of mineral deposit and a new exploration target in Upper Triassic-Lower Jurassic rocks of southeastern British Columbia.

Access to Rosetta Stone is excellent via a network of forestry roads; however paucity of outcrop makes it difficult to assess the true potential of the Property. To that end, systematic soil and vegetation geochemical sampling, geophysics, and follow up trenching in areas having demonstrated mineralization seem appropriate follow-up strategies. The combination of near-by infrastructure, straight forward reliable access, and a structurally simple, shallow-dipping planar target, make for excellent diamond drilling prospects.

11.0 Recommendations

11.1 Epithermal Au Exploration

A two-phase follow-up exploration program is recommended, phase I to better define mineralized targets, and phase II to drill one or more showings to test for grade and tonnage.

Elements of phase I are the following:

1. Trenching of the road and creek vein systems to test for lateral continuity, width and surface grades.
2. Follow-up systematic prospecting along the southerly trend of the road showing to test for possible extension into cliff exposures.
3. Vegetation sampling over know showings to text the efficacy of this biogeochemical prospecting in this area.
4. Follow-up prospecting across the Shannon Lake granite in search of vein systems like the road and creek showings.

If the results from the phase I trenching program is encouraging, then a phase II drill program would be in order.

11.2 Massive Sulphide Exploration

A follow-up exploration program focused on evaluation of massive sulphide potential is the following:

1. Systematic prospecting supported by rock geochemistry;
2. Airborne geophysical survey to test for magnetic and or electrical responses from sulphide-rich zones (graphite in the carbonaceous mudstone will prove challenging);
3. Systematic soil sample grids across areas of significant alteration;
4. Application of biogeochemical (large area) and soil sample grids over geophysical anomalies.

11.3 Other Vein Systems

The more inaccessible parts of the Property have yet to be prospected or mapped. Hence, regional trends of vein systems, if they exist, are difficult to assess. The following program is suggested:

1. Helicopter supported prospecting and mapping of alpine and near-alpine regions not accessible by road;
2. Creek and spur prospecting and mapping starting from the highest road systems.

12.0 References

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13.0 Statement of Costs

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Date	*Expense and Description*	*Amount*
	Tenure 538605; 543592; 558562; 558557; 558563; 559984; 536449; 559985; 579427	
04-Aug-08	Ferry x 2 pers	75.65
04-Aug-08	Breakfast x 2 pers	34.65
04-Aug-08	Road toll	10.00
04-Aug-08	Snack	7.50
04-Aug-08	Groceries: Lunch materials x 2 pers	61.19
04-10/08/2008	Kuskanax Hotel, New Denver: Accommodation/meals	1,177.00
04-10/08/2008	Vehicle: 1225 km @ $1.00/km	1,225.00
04-10/08/2008	Personnel: Thompson 7 days @ $800/day	5,600.00
04-10/08/2008	Personnel: Tapping 7 days @ $200/day	1,400.00
		9,590.99
GST: 5%		479.55
Total		**$ 10,070.54**
	Kennedy's	
29-Jul-08	CK/T, TK/T 2X500	$ 1,000.00
05-Aug-08	TK/T, MK/T, SK, SJK-500-500-350-200	$ 1,550.00
06-Aug-08	TK/T, MK/T, SK, SJK-500-500-350-200	$ 1,550.00
07-Aug-08	MK/T, SK, 500-350	$ 850.00
08-Aug-08	TK/T, MK/T, SK 500-500-350	$ 1,350.00
12-Aug-08	TK/T, 500	$ 500.00
13-Aug-08	TK/T 500	$ 500.00
13-Aug-08	28 SAMPLES 28 X $22	$ 616.00
13-Aug-08	FOOD	$ 175.95
	TOTAL	**$ 8,091.95**
	TR & LUIS	
29-Jul-08	TR & LUIS 600-500	$ 1,100.00
29-Jul-08	ACCOMMODATIONS & FOOD	$ 392.00
	TOTAL	**$ 1,492.00**
	KLEWCHUK SOILS	
12-Aug-08	4 PERSONS X 200/DAY	$ 800.00
13-Aug-08	4 PERSONS X 200/DAY	$ 800.00
14-Aug-08	4 PERSONS X 200/DAY	$ 800.00
15-Aug-08	4 PERSONS X 200/DAY	$ 800.00
16-Aug-08	4 PERSONS X 200/DAY	$ 800.00
16-Aug-08	HOTEL	$ 731.00
16-Aug-08	FOOD & SUPPLIES	$ 478.00
16-Aug-08	2 TRUCKS 5 X $75 + 1962 KM X.75	$ 2,221.50
16-Aug-08	SOIL SAMPLES 449 X 22.00	$ 9,878.00
	TOTAL	**$ 17,308.50**
8-14 Aug-08	Report , database and map preparation: Thompson: 4.5 days/ $800/day	$ 3,600.00
	S, Kennedy: 1 day @ $350/day	$ 350.00
	GIS support: 15 hrs @ $50/hr	$ 750.00

	TOTAL	$ 4,600.00
		$ 10,070.54
		$ 8,091.95
		$ 1,492.00
		$ 17,308.50
		$ 4,600.00
	GRAND TOTAL	$ 41,562.99

16.0 Statement of Qualifications

I, Robert I. Thompson, do hereby certify that:

1) I attained the degree of Doctor of Philosophy (PhD) in geology from Queens University, Kingston, Ontario in 1972.
2) I have a Hon. B.Sc. in geology from Queens University, Kingston, Ontario (1968).
3) I am a registered member of the Association of Professional Engineers and Geoscientists of British Columbia (P.Eng. 1972).
4) I am a Fellow of the Geological Association of Canada.
5) I have worked as a geologist for a total of 36 years since my graduation from university, all of it in the Canadian Cordillera.
6) I have worked for the BC Geological Survey (1972-74) and the Geological Survey of Canada (1974-).
7) I acted as a consultant to the Petroleum Department of the Bolivian Government (1990) under the auspices of PCIAC (Petro Canada International Aid Corp).
8) I have a thorough knowledge of the geology of southern British Columbia based on extensive field mapping.
9) I have authored numerous scholarly publications in peer-reviewed journals, and have published or am preparing to publish 32, 1:50,000 scale geological maps of Lardeau (NTS 82K) and Vernon (NTS: 82L) areas.
10) I was retained by Kootenay Gold Inc. to undertake geological mapping and evaluation of the Enigma Property.
11) I am the sole author of this report.
12) I am not aware of any material fact or material change with respect to the subject matter of this report, which is not reflected in this report.
13) I have no interest, direct or indirect, in the Enigma Property.

"signed and sealed" at North Saanich, B.C.

Robert I. Thompson, PhD, P.Eng
RIT Minerals Corp
10915 Deep Cove Rd.,
North Saanich, B.C.

Dated at North Saanich, B.C. this 21st day of September, 2008
Reg. No. 115741 **Association of Professional Engineers and Geoscientists of British Columbia**

APPENDIX 1

GEOLOGICAL MAP OF A PORTION OF THE ROSETTA STONE PROPERTY

(ref. file: *appendix1.pdf*)

ROSETTA STONE

Southern British Columbia, Canada

Prepared by RIT Minerals Corp. for Kootenay Gold Inc.

November 2008 | UTM Zone 11 NAD83

0 250 500 1000 1500 2,000 Meters

1:20000

LEGEND

Prospective Rocks having epithermal affinities

Kbx — *Cretaceous quartz veins, breccia and stock work in a silicified and altered leucogranite (Shannon Lake Stock) host: Sericite, carbonate and clay (kaolinite) alteration; chalcedony and colloform quartz in open spaces; disseminated pyrite; non-visible Au in quartz veins; zones are subvertical, 3 to 10 m wide*

PKQv — *Jurassic or Cretaceous quartz veins: Pyrite (sphalerite, galena, chalcopyrite?) in white quartz having Fe-oxide surface coatings; veins are 0.2-1.0 m wide, subvertical, and occupy a zone at least 50 m wide and having 1 km strike length.*

Igneous Rock Units:

Tertiary

TL — *Lamprophyre dikes: Massive, dark grey to black, greenish brown weathering, pyroxene-hornblende-biotite-feldspar dikes ranging in thickness from 0.5 to 10's of metres. The dikes cut all other rocks units in the map area.*

Cretaceous

KSLg — *Shannon Lake Granite: Leucocratic, massive, fine- to medium crystalline alkaline monzogranite -- epizonal. Plagioclase (albite), K-feldspar, quartz with traces of biotite, hornblende and clinopyroxene. Miarolitic cavities common with euhedral to colloform quartz-carbonate linings. Contacts sharp; border may feather into country rocks.*

Jurassic

PMMd — *Mountain Meadow diorite: Fine- to medium crystalline diorite and quartz diorite characterized by hornblende phenocrysts in a feldspar matrix. Generally dike-like, several metres to more than 100 m wide.*

PRRd — *Ruby Range diorite: Medium- to coarse crystalline quartz monzonite, quartz diorite and diorite containing biotite and hornblende; feldspars are subhedral (hypidiomorphic) in biotite-hornblende matrix, lending a somewhat porphyritic appearance.*

Sedimentary rock units:

Upper Triassic Slocan Group:

Tlq — *Medium- to dark grey, Carbonaceous limestone, silty- and sandy limestone interbedded with and overlain by light-brown calcareous quartzite and quartzite; medium to thick bedded. May contain interbeds of carbonaceous, siliceous argillite.*

Tbx — *Mudstone-mudstone breccia complex: Carbonaceous mudstone, flinty mudstone and mudstone breccia intruded by aphanitic (flinty) sills (< 20%). Pyrite and pyrrhotite (sphalerite and chalcopyrite?) present, especially where Fe-oxidation is prevalent; fragments may be replaced by sulphide.*

Tbx1 — *(Prospective unit) Carbonaceous, argillite-mudstone breccia approximately 1 to3 m thick, containing copious pyrite/pyrrhotite disseminations.*

Tg — *Gabbro sill complex: Dark grey to black, massive, hornblende-pyroxene gabbro sills 1 to 10's of metres thick. May contain flinty, oxidized, argillite.*

Tas — *Aphanitic sill complex: Light grey to brown, flinty, diabase-like sills 1 to 10 m thick with carbonaceous, siliceous (flinty) mudstone interbeds (<20%).*

Prospective rock units having massive sulfide affinities:

Tms — *Mudstone-Sill complex: Carbonaceous mudstone and siliceous (flinty) mudstone interlayered with aphanitic, pale grey, orange and brown weathering sills; proportions on the order of 50-50. Sill thickness varies from < 1 m to 10's of metres; Fe-carbonate and Fe-oxide alteration is ubiquitous; disseminated pyrite and pyrrhotite (other sulfide minerals?) are often associated with quartz veins and may occur as disseminations.*

TFe — *Zone of sills having very strong Fe-carbonate and Fe-oxide alteration with associated quartz veining; disseminated pyrite and pyrrhotite.*

Tm — *Mudstone: Carbonaceous, cleaved mudstone; recessive weathering; large euhedral pyrite cubes (bounded by pressure shadows) common in some beds. Occasional interbeds of carbonaceous limestone, siliceous mudstone, and carbonaceous siltstone.*

Middle and (or) upper Paleozoic (Silver Creek Formation and/or Milford Group)

DMp — *Grey, biotitic quartzite; carbonaceous siltstone; brown and grey quartzite; carbonaceous quartzite; biotitic phyllite; siliceous phyllite.*

SYMBOLS

- *Geological contact: defined, approximate, assumed, limit of mapping*
- *Outcrop (with station ID)* — 208
- *Bedding: inclined, layered.*
- *Axial plane.*
- *Hinge*
- *Cleavage.*
- *Dike*
- *Shear*
- *Slickenside*
- *Vein*
- *Tenure number ID* — 579411

Columbia River
Slewiskin Creek
(McDonald) Creek
Windy Creek
MOUNTAIN MEADOW
Mineral Creek
Silver Mountain
Creek
BLUE GROUSE MOUNTAIN
Grouse Creek
Independence Creek
Tyee Creek
Walton Creek
Shannon Lake

ROSETTA STONE

Southern British Columbia, Canada

Prepared by RIT Minerals Corp. for Kootenay Gold Inc.

November 2008 | UTM Zone 11 NAD83

0 250 500 1000 1500 2,000 Meters

1:20,000

LEGEND

Prospective Rocks having epithermal affinities

Kltx — *Cretaceous quartz veins, breccia and stock work in a silicified and altered leucogranite (Shannon Lake Stock) host Sericite, carbonate and clay (kaolinite) alteration; chalcedony and colloform quartz in open spaces; disseminated pyrite; non-visible Au in quartz veins; zones are subvertical, 3 to 10 m wide*

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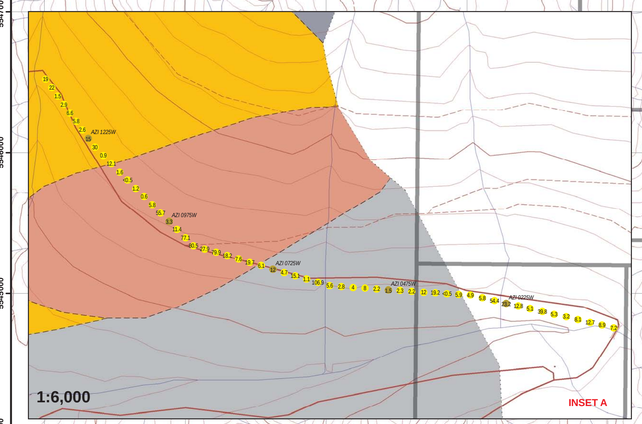
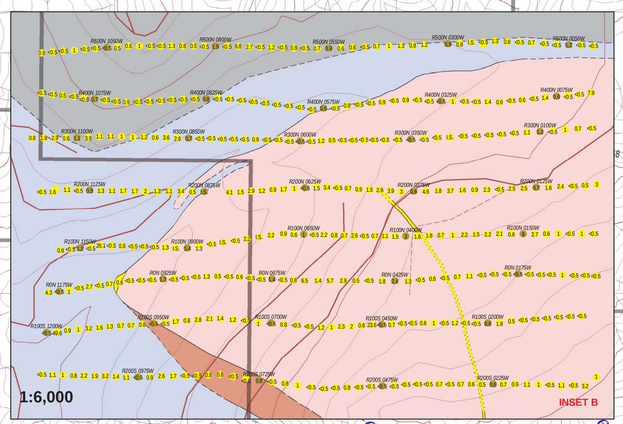
SYMBOLS

Geological contact: defined, approximate, assumed, limit of mapping ..... ——— — — — — .....

Soil geochemistry sample with Au (ppb) value ..... 12 .....





APPENDIX 2

LISTING OF ANALYTICAL RESULTS FOR ROCK SAMPLES TAKEN ON THE ROSETTA STONE PROPERTY: SAMPLES ARE IDENTIFIED BY UNIQUE NUMBERS THAT ARE REFERENCED TO SPATIAL COORDINATES PROVIDED AS UTM's in ZONE 11

(*ref*. Fig.39 and attached file: *Appendix 2.xls*)

McDonald Creek Rock Sample Information 2008

Sample #	UTM E	UTM N	Description
MAC08-1	454276	5545172	Fault zone in muds, felsic carb alt'd dyke, milky qtz vein with Py and carb
MAC08-2	454098	5545230	Rusty weathering, milky qtz, fresh Py, some sericite, float
MAC08-3	453642	5545297	Meta-sed float with qtz/bouden veins, Py, ZnS
MAC08-4	453762	5545400	Qtz/bouden vein in meta-seds, more crystalline, Py, sericite
MAC08-5	453749	5545415	Bouden/milky qtz, Py, Po, Ribboned(?) meta-seds
MAC08-6	453729	5545592	Qtz vein with Py/Po, big micas, along contact of foliated porphry dyke, biotite
MAC08-7	453755	5545673	Qtz breccia zone in meta-seds, Py, milky qtz, sericite alt'd
MAC08-8	453848	5545807	Zone of heavily cleaved meta-seds, milky qtz with Py and sericite
MAC08-9	453882	5545835	Milky qtz vein, Py, CuPy, cutting dyke, same type of intrusive, biotite porphry, foliated
MAC08-10	453930	5545872	Bedding parallel foliated felsic sill, sericite alt'd qtz veins, Py
MAC08-11	454000	5545964	Carb alt'd granitic rock, milky qtz, Py
MAC08-12	454004	5545979	Footwall meta-seds, qtz veining, some brecciation, Py, some vuggy qtz
MAC08-13	454015	5545986	Qtz breccia zone, felsic dyke, Py, sericite alt'd
MAC08-14	454021	5545991	Same as -13
MAC08-15	454021	5545991	Same as -13, with epithermal veins
MAC08-16	454076	5545997	Felsic dyke with Py, qtz veins, sericite
MAC08-17	454111	5546020	Sheared granite float, PbS, carb, qtz, Py, some sericite
MAC08-18	454164	5546100	Same as -16
MAC08-19	454178	5546140	White granite, Qtz, Py, MoS, ZnS(?)
MAC08-20	455674	5546406	Sub-crop on skid trail, qtz/carb breccia in white granite, Py/lim, sugary/banded qtz, clay/alunite(?)
MAC08-22	455660	5546322	20 degree trending zone o fqtz/carb alt, Py/lim, some brecciation, bleached/argillic,
MAC08-23	455660	5546322	Lim/carb rich, qtz breccia, same zone as -22
MAC08-24	455439	5546019	Large (greater than 1M) qtz breccia, lim/Py, carb alt, argillic, epithermal
MAC08-25	455320	5545985	Punked out/bleached granite breccia with epithermal veins

APPENDIX 3

LISTING OF ANALYTICAL RESULTS FOR SOIL SAMPLES TAKEN ON THE ROSETTA STONE PROPERTY PROPERTY: SAMPLES ARE IDENTIFIED BY UNIQUE NUMBERS THAT ARE REFERENCED TO SPATIAL COORDINATES PROVIDED AS UTMS IN ZONE 11

(ref. Figs. 40 and 41; attached file: *Appendix 3.xls*)

Property	UTMZone	Easting	Northing	Sample Num	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
Rosetta	11	453850	5545775	R200S 1200W	soil	2	16.1	16.3	49	1.1	12	6.1	1064	1.67	18.1	6.1	<0.5	0.3	91	1.7	0.6	0.2	40	1.73	0.089	7	31	0.43
Rosetta	11	453873	5545774	R200S 1175W	soil	7.8	12	21.6	37	1.3	5.8	2.4	168	2.33	3.2	7.8	1.1	2.2	55	0.9	0.3	0.6	35	0.51	0.053	14	19	0.12
Rosetta	11	453895	5545774	R200S 1150W	soil	4.5	8.7	14.3	21	0.3	3.9	2.5	132	1.66	2.7	0.8	1	1	31	0.4	0.4	0.4	44	0.25	0.022	6	7	0.1
Rosetta	11	453918	5545773	R200S 1125W	soil	5.1	8.7	18.8	30	0.2	3.3	1.2	68	0.99	4.6	3.6	0.8	0.8	51	0.7	0.4	0.4	27	0.58	0.021	5	9	0.08
Rosetta	11	453940	5545773	R200S 1100W	soil	5.5	9	17.9	28	0.4	4.4	3.7	344	0.59	1.9	14.2	2.2	0.1	73	1.4	0.4	0.2	13	0.65	0.052	19	11	0.08
Rosetta	11	453963	5545772	R200S 1075W	soil	2.8	4.9	10.6	15	0.1	3.1	1	33	1.44	2.8	0.4	1.9	1	11	0.4	0.5	0.8	33	0.05	0.011	2	5	0.02
Rosetta	11	453985	5545772	R200S 1050W	soil	5.7	15.7	27	69	0.9	8.5	4.2	222	1.1	1.7	16.4	3.2	0.9	50	1.1	0.3	0.7	23	0.47	0.079	25	33	0.12
Rosetta	11	454008	5545771	R200S 1025W	soil	1.8	8.8	16.1	34	0.1	4.6	2.3	234	1.38	1.2	0.5	1.4	0.6	11	0.3	0.3	0.5	32	0.03	0.014	3	9	0.1
Rosetta	11	454030	5545770	R200S 1000W	soil	2.3	10.5	31.3	103	0.6	12.5	4.8	722	2.18	2.4	1.5	1.1	2.2	36	1.1	0.5	0.8	42	0.2	0.035	11	30	0.34
Rosetta	11	454055	5545770	R200S 0975W	soil	0.6	5	15.4	22	0.2	3	0.9	125	0.8	1.5	0.3	<0.5	0.5	14	0.2	0.4	0.6	20	0.08	0.045	2	6	0.06
Rosetta	11	454080	5545771	R200S 0950W	soil	0.8	10.5	17	127	0.2	17.5	4.7	198	2.18	1.9	0.9	0.9	2.6	21	0.3	0.7	0.6	34	0.06	0.042	8	23	0.45
Rosetta	11	454105	5545772	R200S 0925W	soil	1.1	9.6	19.4	56	1	6.4	3.2	195	1.98	2.7	1.5	2.6	3.8	9	0.3	0.4	0.4	30	0.04	0.059	17	16	0.2
Rosetta	11	454130	5545772	R200S 0900W	soil	1.2	7.5	24.2	52	1	5.8	4.4	225	1.84	2.8	1.1	1.7	2.6	12	0.4	0.5	0.4	31	0.05	0.042	13	13	0.18
Rosetta	11	454155	5545773	R200S 0875W	soil	1	7.4	10.8	88	0.3	9.1	4.2	178	2.1	1.9	0.6	<0.5	2.1	14	0.3	0.4	0.4	34	0.06	0.047	6	18	0.34
Rosetta	11	454180	5545773	R200S 0850W	soil	1.4	8.2	17.3	76	0.2	9	3.5	179	2.29	2.2	0.8	<0.5	2.7	12	0.3	0.4	0.5	37	0.04	0.028	7	17	0.25
Rosetta	11	454205	5545774	R200S 0825W	soil	1.5	8	23.1	100	0.3	8.2	4.4	255	2.19	2.4	0.9	0.8	1.8	22	0.5	0.5	0.5	41	0.1	0.032	10	16	0.29
Rosetta	11	454230	5545775	R200S 0800W	soil	0.9	7.9	13.1	71	0.2	5.1	3.3	299	2.01	2.9	0.7	0.8	1.6	14	0.3	0.5	0.4	35	0.05	0.074	6	13	0.22
Rosetta	11	454258	5545771	R200S 0775W	soil	0.3	4.7	20.5	21	0.1	1.3	1.7	1224	0.46	1.2	0.1	<0.5	<0.1	7	0.5	0.5	0.2	14	0.06	0.019	1	3	0.03
Rosetta	11	454285	5545767	R200S 0750W	soil	0.8	6.1	39.6	67	0.1	3.4	2.3	891	1.45	3.3	0.3	<0.5	0.3	14	0.5	0.9	0.6	36	0.12	0.056	3	7	0.14
Rosetta	11	454313	5545763	R200S 0725W	soil	0.8	10.4	25.2	70	0.2	9.2	5.5	1995	1.69	2.5	0.4	0.8	0.5	22	0.4	0.7	0.5	39	0.17	0.065	5	14	0.32
Rosetta	11	454340	5545760	R200S 0700W	soil	1	10	37.4	47	0.2	5.8	5.7	601	1.69	3.6	0.6	<0.5	0.1	22	0.4	0.9	0.4	40	0.12	0.079	5	14	0.32
Rosetta	11	454368	5545756	R200S 0675W	soil	0.5	5	51.1	32	0.1	2.7	2.9	1068	1.07	3.7	0.2	0.8	<0.1	18	0.8	1	0.6	31	0.11	0.057	3	7	0.16
Rosetta	11	454395	5545752	R200S 0650W	soil	0.4	6.4	22.1	41	0.1	3	3.3	2417	1.1	2.5	0.2	1	<0.1	8	0.5	0.7	0.2	28	0.05	0.036	2	6	0.13
Rosetta	11	454423	5545748	R200S 0625W	soil	0.8	7.5	11.9	57	0.1	6.6	5.1	429	2.67	1.5	0.3	<0.5	1.1	16	0.2	0.4	0.4	71	0.08	0.059	3	16	0.48
Rosetta	11	454450	5545745	R200S 0600W	soil	1	8.7	15.7	50	<0.1	6.1	4.8	290	2.43	2.3	0.3	<0.5	1.1	17	0.2	0.4	0.3	64	0.1	0.056	4	21	0.45
Rosetta	11	454475	5545746	R200S 0575W	soil	0.9	8.2	12.5	64	0.1	6.4	5.4	740	2.63	2.7	0.3	<0.5	0.6	24	0.3	0.4	0.3	70	0.14	0.082	3	16	0.48
Rosetta	11	454500	5545747	R200S 0550W	soil	0.9	5.4	14.8	30	<0.1	4.7	2.4	154	1.5	1.2	0.3	0.8	1	13	0.2	0.3	0.3	44	0.05	0.03	5	10	0.27
Rosetta	11	454525	5545748	R200S 0525W	soil	0.3	3	19.1	12	<0.1	1.2	0.9	66	0.45	1.2	0.1	<0.5	<0.1	7	0.2	0.3	0.2	16	0.05	0.017	2	3	0.03
Rosetta	11	454550	5545750	R200S 0500W	soil	0.9	5.4	13.3	17	<0.1	2.5	1.1	87	1.13	1.4	0.4	<0.5	0.3	8	0.1	0.3	0.3	29	0.04	0.052	3	5	0.09
Rosetta	11	454575	5545751	R200S 0475W	soil	0.9	14.9	15.1	72	<0.1	5	4.7	2430	1.67	2.6	0.4	<0.5	0.1	16	0.6	0.6	0.3	40	0.09	0.067	4	8	0.26
Rosetta	11	454600	5545752	R200S 0450W	soil	0.5	19.1	28.9	87	0.2	29.1	12.9	1024	3.39	4.1	0.4	<0.5	1	54	0.5	0.8	0.3	88	0.56	0.126	6	80	1.58
Rosetta	11	454625	5545754	R200S 0425W	soil	0.3	2.7	27	14	<0.1	1.5	0.6	90	0.37	1.9	0.2	<0.5	0.1	6	0.3	0.5	0.4	16	0.03	0.016	2	3	0.03
Rosetta	11	454650	5545755	R200S 0400W	soil	0.2	4.2	9.2	9	<0.1	1.2	0.8	279	0.41	0.7	0.1	<0.5	<0.1	10	<0.1	0.2	0.3	14	0.02	0.014	2	4	0.03
Rosetta	11	454673	5545755	R200S 0375W	soil	0.1	2.9	18.9	9	<0.1	0.8	0.3	224	0.18	<0.5	0.2	<0.5	<0.1	8	0.3	0.3	0.3	6	0.03	0.024	2	2	0.02
Rosetta	11	454696	5545755	R200S 0350W	soil	0.1	3.2	7.8	10	0.2	0.8	0.4	29	0.28	0.9	0.2	0.7	<0.1	14	0.2	0.2	0.2	8	0.04	0.013	3	2	0.04
Rosetta	11	454719	5545755	R200S 0325W	soil	0.3	6.4	16.4	22	0.1	4.9	3.8	156	1.26	2.3	0.3	<0.5	0.5	22	0.2	0.5	0.3	49	0.16	0.022	3	33	0.4

Property	UTMZone	Easting	Northing	Sample Num	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
Rosetta	11	454742	5545755	R200S 0300W	soil	0.5	4.6	15.1	16	0.1	1.9	0.7	55	0.51	1.9	0.3	0.7	0.1	7	0.2	0.4	0.3	14	0.03	0.024	3	5	0.08
Rosetta	11	454765	5545755	R200S 0275W	soil	0.8	7.6	24.5	44	0.2	3.4	1.9	354	1.1	6.5	0.7	0.6	0.1	8	0.5	0.8	0.7	20	0.03	0.071	5	6	0.1
Rosetta	11	454788	5545755	R200S 0250W	soil	0.8	7.1	32	41	0.2	3.8	1.8	384	1.04	2.2	0.7	0.5	0.2	7	0.7	0.4	1	24	0.02	0.037	5	7	0.08
Rosetta	11	454811	5545755	R200S 0225W	soil	0.9	8.5	19.8	32	0.1	3.5	2	485	0.87	2.3	0.4	0.6	0.3	8	0.9	0.4	0.5	21	0.05	0.043	5	9	0.11
Rosetta	11	454833	5545755	R200S 0200W	soil	0.5	4.3	22.3	21	<0.1	1.4	0.7	108	0.52	2.7	0.2	0.7	0.2	8	0.5	0.5	0.4	14	0.02	0.018	3	4	0.06
Rosetta	11	454858	5545755	R200S 0175W	soil	2.2	9.3	75.4	49	0.1	6.6	2.6	328	1.74	2.4	0.6	0.9	1.9	8	0.7	0.8	0.9	47	0.03	0.031	5	15	0.22
Rosetta	11	454883	5545754	R200S 0150W	soil	2.4	16.7	106.2	54	0.9	6.5	3.2	317	1.03	1.8	3.6	1.1	0.4	13	1.3	0.3	0.5	22	0.08	0.109	54	11	0.2
Rosetta	11	454908	5545754	R200S 0125W	soil	0.8	6.5	39.6	34	0.3	2.3	1.3	131	1.08	2.8	0.6	1	1.5	8	0.3	0.6	0.9	22	0.03	0.052	6	5	0.07
Rosetta	11	454932	5545753	R200S 0100W	soil	0.4	3.7	26.8	14	0.1	1	0.7	83	0.36	2.9	0.4	<0.5	<0.1	6	0.5	0.3	0.5	10	0.02	0.036	2	3	0.04
Rosetta	11	454957	5545752	R200S 0075W	soil	0.2	3.4	21.2	9	<0.1	0.8	0.2	17	0.19	0.9	0.2	1.1	<0.1	6	0.4	0.4	0.5	8	0.01	0.015	2	2	0.02
Rosetta	11	454982	5545752	R200S 0050W	soil	0.5	3.5	16.2	33	<0.1	1.9	1.1	72	0.84	2.4	0.3	<0.5	0.4	5	0.4	0.6	0.6	15	0.02	0.018	2	4	0.07
Rosetta	11	455007	5545751	R200S 0025W	soil	0.8	10.5	160.9	126	0.3	7.8	4.9	1120	1.95	3.4	1	3.2	1.7	7	0.5	1.1	2	24	0.05	0.079	18	12	0.26
Rosetta	11	455031	5545770	R200S 0000W	soil	0.6	6.3	109.8	40	0.5	4.1	2.3	446	0.83	3.3	0.4	1	0.2	10	0.7	0.7	3.6	16	0.07	0.052	3	7	0.09
Rosetta	11	453860	5545865	R100S 1200W	soil	1.4	19.3	10.7	87	0.3	14.2	7.2	244	2.71	7.1	0.5	<0.5	2.2	9	0.3	0.5	0.3	65	0.07	0.054	5	22	0.55
Rosetta	11	453883	5545867	R100S 1175W	soil	1.7	18.4	10	87	0.5	11	5.3	177	2.75	8.1	0.8	49.6	3.3	8	0.4	0.9	0.3	55	0.06	0.057	6	22	0.41
Rosetta	11	453905	5545869	R100S 1150W	soil	6.4	27.4	16.1	123	0.9	11.8	8.5	5889	1.7	4.8	7.8	0.9	0.5	94	5.6	0.7	0.3	39	1.47	0.237	13	18	0.38
Rosetta	11	453928	5545871	R100S 1125W	soil	1.3	12.2	12.6	43	0.4	6.7	4.1	227	1.54	2	0.5	1	0.6	25	0.8	0.4	0.3	35	0.21	0.046	6	12	0.24
Rosetta	11	453950	5545873	R100S 1100W	soil	2	11.7	29.2	111	0.3	13.3	7.8	228	1.92	3.2	10.9	3.2	7.6	21	0.7	0.6	0.7	35	0.07	0.03	29	34	0.4
Rosetta	11	453973	5545875	R100S 1075W	soil	2.9	24.3	32	93	0.5	14.7	7.3	658	2.48	3.3	3.3	1.6	1.5	70	1.6	0.5	0.7	42	0.28	0.049	28	24	0.42
Rosetta	11	453995	5545877	R100S 1050W	soil	0.8	5.9	16.2	38	0.2	4.4	2	151	1.38	2.1	0.3	1.3	0.5	19	0.4	0.6	0.5	29	0.1	0.03	3	8	0.14
Rosetta	11	454018	5545879	R100S 1025W	soil	2	18.1	54.2	42	1.2	5.5	5.6	1019	1.52	2	1.5	0.7	0.4	16	1.2	0.4	0.5	27	0.08	0.058	20	9	0.1
Rosetta	11	454040	5545880	R100S 1000W	soil	0.8	9.6	19.4	54	0.1	7.7	3.6	217	1.5	0.9	0.6	0.7	1.3	17	0.3	0.4	0.6	28	0.07	0.038	5	13	0.24
Rosetta	11	454064	5545882	R100S 0975W	soil	0.7	8.4	28.7	46	0.3	6.6	2.8	159	1.21	2.6	0.5	0.8	0.6	20	0.6	0.8	0.7	23	0.1	0.036	7	9	0.18
Rosetta	11	454088	5545884	R100S 0950W	soil	0.8	10.1	10.9	47	0.4	5.9	4.5	730	1.52	2	0.6	<0.5	0.7	15	0.4	0.6	0.3	26	0.05	0.052	7	12	0.17
Rosetta	11	454112	5545886	R100S 0925W	soil	1	10.8	14.1	46	0.3	5.2	2.8	286	2.01	1.8	0.7	<0.5	1.2	12	0.6	0.4	0.7	38	0.04	0.042	6	9	0.15
Rosetta	11	454135	5545888	R100S 0900W	soil	1	6.4	12.1	76	0.2	6.8	3.6	318	2.29	2	0.6	1.7	1.1	17	0.3	0.7	0.6	44	0.06	0.051	7	14	0.27
Rosetta	11	454159	5545890	R100S 0875W	soil	0.6	3.2	6	23	0.1	2.4	0.9	58	0.79	1.4	0.2	0.8	0.2	19	0.1	0.3	0.3	18	0.04	0.032	2	6	0.07
Rosetta	11	454183	5545892	R100S 0850W	soil	3.9	15.3	28.3	137	0.7	11	6.8	1244	2.02	2.1	15.5	2.8	2	54	2	0.9	1.4	31	0.37	0.073	78	21	0.31
Rosetta	11	454207	5545894	R100S 0825W	soil	1.6	6.8	21.1	65	0.2	6.3	2.4	141	2.11	2.2	0.9	2.1	1.5	23	0.5	1.3	0.6	29	0.05	0.047	8	12	0.2
Rosetta	11	454230	5545895	R100S 0800W	soil	2.9	10	30.7	84	0.4	7.8	3.6	240	2.66	2	1.5	1.4	2.5	26	0.6	1.1	3.2	34	0.07	0.037	15	13	0.2
Rosetta	11	454257	5545892	R100S 0775W	soil	1.3	9.6	14.3	78	0.4	5.9	4.8	283	2.32	2.1	2.6	1.2	2.3	35	0.7	0.4	0.5	34	0.08	0.03	28	12	0.24
Rosetta	11	454284	5545890	R100S 0750W	soil	1	6	11.4	26	0.2	2.9	1.8	101	1.38	2.8	0.3	<0.5	0.6	13	0.4	0.5	0.4	40	0.05	0.046	3	7	0.08
Rosetta	11	454311	5545887	R100S 0725W	soil	0.8	7.5	31.3	43	0.3	2.7	3	1134	1.14	2.6	0.8	1	0.5	20	0.8	0.9	0.4	22	0.21	0.067	9	7	0.11
Rosetta	11	454338	5545885	R100S 0700W	soil	1.2	8	17.7	52	0.1	6	4.3	323	1.75	2.4	0.4	<0.5	1.3	19	0.4	0.6	0.3	44	0.1	0.033	4	25	0.3
Rosetta	11	454365	5545882	R100S 0675W	soil	1.4	9.8	18	53	0.2	5.6	3.1	428	2.01	2.4	0.7	0.8	1.3	22	0.7	0.6	0.5	44	0.1	0.055	6	18	0.22
Rosetta	11	454392	5545880	R100S 0650W	soil	1.6	11.8	45.9	172	0.2	10.5	11	1174	3.23	3	1.6	<0.5	3.2	25	0.8	0.7	1	55	0.17	0.098	17	62	0.69

Property	UTMZone	Easting	Northing	Sample Num	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
Rosetta	11	454419	5545877	R100S 0625W	soil	0.9	6.1	21	70	0.1	4.6	2.8	203	1.78	4.8	0.5	<0.5	0.8	29	0.8	0.7	0.7	39	0.17	0.045	5	21	0.24
Rosetta	11	454445	5545875	R100S 0600W	soil	0.7	8.5	38.1	94	0.1	8.7	4.2	225	2.24	5.2	0.6	1.2	1.9	30	0.9	1.3	0.7	43	0.17	0.059	6	38	0.38
Rosetta	11	454467	5545876	R100S 0575W	soil	1.6	11.1	84.5	149	0.4	8.7	8.1	571	2.12	4.8	5.9	1	1.3	37	1.8	0.6	2.4	34	0.21	0.12	76	36	0.36
Rosetta	11	454488	5545877	R100S 0550W	soil	1.9	9.8	34.8	177	0.2	16.2	8.9	200	3.32	3.9	1	2.3	4.1	30	0.4	0.9	1.1	80	0.19	0.033	10	98	0.85
Rosetta	11	454510	5545878	R100S 0525W	soil	1.4	12	78	127	0.3	20.5	8.1	211	3.4	8.8	1.1	2	1.5	52	1.1	3.2	1.8	70	0.19	0.09	11	32	0.32
Rosetta	11	454531	5545880	R100S 0500W	soil	0.4	3.3	17.1	17	<0.1	1.5	0.9	33	0.54	1.4	0.2	0.6	0.1	9	0.3	0.4	0.4	16	0.02	0.015	2	3	0.02
Rosetta	11	454553	5545881	R100S 0475W	soil	0.4	4.3	19.5	30	0.1	1.8	1.4	314	0.83	1.8	0.6	23.6	0.4	7	0.2	0.7	0.7	17	0.04	0.019	8	3	0.03
Rosetta	11	454574	5545882	R100S 0450W	soil	0.7	5.4	18.5	49	0.1	3.6	1.9	157	1.99	3	0.6	<0.5	1.6	13	0.3	0.7	1.5	40	0.05	0.035	5	7	0.15
Rosetta	11	454595	5545883	R100S 0425W	soil	0.6	4.1	14.2	31	0.1	2.4	1.1	82	1.14	1.7	0.3	0.7	1	9	0.2	0.7	0.8	32	0.03	0.02	3	3	0.04
Rosetta	11	454617	5545884	R100S 0400W	soil	0.3	5	12.3	13	0.1	0.9	0.7	590	0.36	1.1	0.2	<0.5	<0.1	5	0.3	0.4	0.3	8	0.02	0.015	2	2	0.01
Rosetta	11	454640	5545885	R100S 0375W	soil	0.5	4.7	15.8	20	<0.1	2.2	1.7	757	0.95	2.4	0.3	<0.5	0.3	5	0.4	0.5	0.4	16	0.01	0.036	2	4	0.04
Rosetta	11	454662	5545885	R100S 0350W	soil	1.1	10	25.1	14	0.2	2.2	1.5	516	1.25	4.3	0.7	0.6	0.4	3	0.5	0.9	0.4	17	0.02	0.079	4	5	0.04
Rosetta	11	454685	5545885	R100S 0325W	soil	0.8	5.9	18.7	12	<0.1	1.6	0.8	165	0.85	1.7	0.4	1	0.3	4	0.3	0.4	0.6	20	0.01	0.026	2	4	0.03
Rosetta	11	454707	5545885	R100S 0300W	soil	3.6	14	22.4	57	0.2	9.3	4.9	1064	1.95	2.5	13.9	<0.5	0.6	11	0.8	0.4	0.9	38	0.03	0.047	19	20	0.29
Rosetta	11	454730	5545885	R100S 0275W	soil	3.4	11.9	47.4	65	0.2	5.3	2.5	432	1.39	4.7	9.8	1.2	0.6	11	1	0.9	0.6	20	0.06	0.127	26	8	0.13
Rosetta	11	454752	5545885	R100S 0250W	soil	6.6	7.1	27.3	32	0.2	3.8	4	208	1.38	0.6	1.1	<0.5	1.3	8	0.4	0.3	0.4	31	0.03	0.014	11	7	0.1
Rosetta	11	454775	5545885	R100S 0225W	soil	3.1	12	21.3	39	0.1	7.3	2.4	102	2.05	2.4	0.7	<0.5	1.9	7	0.6	0.5	0.4	49	0.04	0.018	4	17	0.21
Rosetta	11	454800	5545885	R100S 0200W	soil	4.1	13.5	19.6	81	0.2	10.4	4.2	172	2.57	2	1.3	0.8	3	13	0.6	0.4	0.3	42	0.08	0.025	8	23	0.38
Rosetta	11	454825	5545887	R100S 0175W	soil	1	6.1	26	51	0.1	3.3	1.3	95	1.1	3.6	0.6	1.8	0.5	4	0.3	1.1	0.5	19	0.02	0.033	2	6	0.1
Rosetta	11	454850	5545889	R100S 0150W	soil	0.6	8.9	44.5	73	0.3	2.5	1.8	414	1.33	4.3	0.6	0.5	0.1	3	0.6	0.8	0.8	16	0.01	0.038	1	3	0.03
Rosetta	11	454875	5545891	R100S 0125W	soil	0.3	2.2	7.4	19	<0.1	0.6	0.6	37	0.55	1	0.2	<0.5	<0.1	5	0.1	0.3	0.2	10	0.02	0.01	<1	1	0.03
Rosetta	11	454900	5545893	R100S 0100W	soil	1.4	17.5	42.4	141	0.2	21.1	6.6	428	2.42	2.3	6.8	<0.5	2.4	63	0.8	1	0.6	44	0.25	0.036	30	25	0.55
Rosetta	11	454925	5545895	R100S 0075W	soil	0.2	2.6	6.2	10	<0.1	1.3	0.9	22	0.33	<0.5	<0.1	<0.5	<0.1	4	0.1	0.1	<0.1	11	0.02	0.012	<1	2	<0.01
Rosetta	11	454950	5545897	R100S 0050W	soil	0.3	2	8	17	<0.1	0.9	0.6	31	0.69	1	<0.1	<0.5	<0.1	3	0.1	0.3	0.1	8	<0.01	0.019	<1	1	0.01
Rosetta	11	454975	5545899	R100S 0025W	soil	0.5	6.1	22.2	11	0.3	1.3	0.5	19	0.5	<0.5	0.5	<0.5	<0.1	6	0.6	0.2	0.2	7	0.01	0.039	4	3	0.01
Rosetta	11	455000	5545900	R100S 0000W	soil	1.4	6.9	29.9	13	0.2	2	0.8	104	1.62	1.6	0.6	<0.5	0.8	3	0.3	0.7	0.4	27	0.01	0.023	3	6	0.03
Rosetta	11	453865	5545950	R0N 1200W	soil	1.4	18.5	11.8	84	0.6	14.4	7.3	517	2.65	4.6	0.9	4.3	2.3	10	0.4	0.4	0.3	49	0.11	0.093	7	23	0.57
Rosetta	11	453887	5545953	R0N 1175W	soil	1.6	15.5	13.6	86	0.4	11.7	6	772	3.09	4.1	0.7	<0.5	1.6	9	0.5	0.3	0.3	59	0.05	0.167	6	21	0.47
Rosetta	11	453908	5545956	R0N 1150W	soil	0.9	24.9	11.6	72	0.5	19.6	6.8	388	2	2.7	0.8	1	2.2	13	0.5	0.4	0.2	44	0.12	0.039	12	23	0.7
Rosetta	11	453930	5545959	R0N 1125W	soil	1.1	13.7	10.4	66	0.7	10.4	6	544	2.26	2.6	0.9	<0.5	2.5	9	0.3	0.2	0.3	41	0.05	0.071	7	18	0.47
Rosetta	11	453951	5545962	R0N 1100W	soil	1.5	15.9	11.1	75	0.2	15.4	7.3	263	2.82	7	0.7	2.7	3	12	0.3	0.4	0.2	50	0.09	0.054	7	21	0.6
Rosetta	11	453973	5545965	R0N 1075W	soil	1.1	13.9	45.5	55	0.2	11	6	1208	1.38	2.8	0.5	<0.5	0.8	61	1.3	1.7	0.3	21	0.91	0.062	7	15	0.57
Rosetta	11	453994	5545968	R0N 1050W	soil	1.5	18.1	15.3	65	0.2	16.2	6.3	357	2.7	1.6	0.6	0.7	2.6	20	0.5	0.4	0.4	57	0.16	0.04	5	35	1.09
Rosetta	11	454016	5545971	R0N 1025W	soil	1.4	7.3	11.7	43	0.2	4.9	2.3	127	1.66	1.1	0.4	0.6	0.5	15	0.5	0.5	1.9	31	0.05	0.02	3	9	0.23
Rosetta	11	454037	5545975	R0N 1000W	soil	1.9	10	11.4	50	0.2	4.6	2.5	168	1.91	1.7	0.6	<0.5	0.7	20	0.5	0.4	0.5	36	0.08	0.021	5	9	0.15
Rosetta	11	454061	5545976	R0N 0975W	soil	2.1	7	17.9	60	0.2	4.8	2.3	171	1.84	2.2	0.5	<0.5	0.5	21	0.4	0.7	0.7	39	0.09	0.036	5	9	0.2

Property	UTMZone	Easting	Northing	Sample Num	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
Rosetta	11	454084	5545977	R0N 0950W	soil	4.3	11.3	16.9	42	0.4	4	3.3	801	1.65	1.1	1.7	<0.5	0.4	23	0.4	0.4	0.5	25	0.11	0.046	15	7	0.08
Rosetta	11	454108	5545979	R0N 0925W	soil	2.6	30.3	9.4	117	0.2	19.3	10.7	518	2.98	7.4	0.9	1.3	2	28	0.4	0.7	0.2	68	0.27	0.096	14	30	1.05
Rosetta	11	454131	5545980	R0N 0900W	soil	2.7	12.7	60	68	0.3	5.9	4.6	1580	1.35	4.2	1.3	<0.5	0.1	76	0.9	1.3	0.6	24	0.55	0.083	15	20	0.25
Rosetta	11	454154	5545981	R0N 0875W	soil	3.6	13.8	17.8	39	0.4	5.7	5.4	1476	1.83	1.1	3.5	<0.5	0.2	37	0.8	0.4	0.4	26	0.2	0.073	42	10	0.17
Rosetta	11	454178	5545983	R0N 0850W	soil	1.1	6.6	11.1	77	<0.1	6	3.3	452	2.13	1.4	0.6	<0.5	0.3	21	0.3	0.4	0.4	33	0.08	0.059	6	16	0.31
Rosetta	11	454201	5545984	R0N 0825W	soil	4.5	16	20	55	0.5	6.5	5.1	3106	1.44	1.9	4.7	1.3	0.2	56	1.8	0.7	0.3	26	0.29	0.077	126	11	0.14
Rosetta	11	454225	5545985	R0N 0800W	soil	1.2	9.7	14.5	46	0.1	5.2	2.8	455	1.47	1.2	0.7	0.5	0.4	22	0.3	0.4	0.5	34	0.06	0.028	6	14	0.14
Rosetta	11	454248	5545984	R0N 0775W	soil	1.4	17	21.6	56	0.5	5.3	3.2	578	1.75	1.9	1.9	<0.5	0.7	13	0.7	0.4	0.7	33	0.07	0.068	15	17	0.12
Rosetta	11	454271	5545983	R0N 0750W	soil	0.9	7.7	39	45	0.3	3.5	1.8	506	1.08	3.2	0.4	0.6	<0.1	25	0.6	0.8	0.7	23	0.15	0.052	3	11	0.09
Rosetta	11	454294	5545981	R0N 0725W	soil	1.5	11.4	28.6	63	0.2	6.3	5.1	709	2.23	2.1	2	<0.5	0.4	23	0.6	0.6	1.1	44	0.11	0.086	10	41	0.34
Rosetta	11	454317	5545980	R0N 0700W	soil	0.9	6.7	36.8	86	0.1	4.5	3.9	2234	1.37	2.8	0.7	<0.5	0.2	37	1	0.8	0.8	27	0.25	0.059	6	13	0.17
Rosetta	11	454340	5545979	R0N 0675W	soil	1.4	6.9	31.4	70	0.2	5.6	3.8	425	1.89	2.1	2.1	1.4	1	28	0.6	0.6	1	34	0.12	0.055	15	19	0.25
Rosetta	11	454363	5545977	R0N 0650W	soil	1.1	5.8	21.5	42	0.1	4	2.5	243	1.17	2.6	0.6	<0.5	0.5	19	0.4	0.6	0.5	26	0.08	0.019	4	11	0.13
Rosetta	11	454386	5545976	R0N 0625W	soil	1.3	12.9	23.7	95	0.3	15.8	5.8	329	1.98	1.9	2.8	0.8	3.3	38	0.6	0.6	0.4	37	0.18	0.037	33	32	0.37
Rosetta	11	454410	5545975	R0N 0600W	soil	1	7.1	18.7	78	0.3	5.9	3.9	948	1.66	2.5	0.7	6.5	1.9	22	0.4	0.6	0.3	29	0.14	0.049	8	14	0.21
Rosetta	11	454438	5545975	R0N 0575W	soil	0.6	4	16	54	0.2	2.8	1.7	184	1.36	2	0.4	1.4	1.6	13	0.2	1	0.3	32	0.05	0.027	4	7	0.09
Rosetta	11	454464	5545975	R0N 0550W	soil	0.6	3.2	21.3	57	<0.1	2.6	1.4	235	1.42	4	0.4	5.7	1	18	0.2	1.3	0.4	39	0.08	0.027	3	4	0.11
Rosetta	11	454492	5545975	R0N 0525W	soil	0.2	2.7	15.7	11	<0.1	0.8	0.9	62	0.4	0.7	0.1	2.9	0.2	6	0.2	0.4	0.2	13	0.04	0.013	2	4	0.07
Rosetta	11	454519	5545975	R0N 0500W	soil	0.3	2.5	19.6	11	<0.1	0.6	0.4	33	0.33	1.5	0.2	0.5	0.3	11	0.2	0.6	0.4	14	0.02	0.012	2	2	0.02
Rosetta	11	454547	5545975	R0N 0475W	soil	1	6.3	20.9	64	0.2	3.6	2.6	2162	1.56	3.4	0.6	<0.5	1.3	18	0.4	0.8	0.6	30	0.07	0.037	5	12	0.14
Rosetta	11	454575	5545975	R0N 0450W	soil	3.1	15.9	37.5	163	0.7	16.8	7.3	1881	1.81	3.8	22.7	1.8	1.4	110	3.3	0.8	0.6	32	0.54	0.129	166	27	0.4
Rosetta	11	454602	5545975	R0N 0425W	soil	4.8	13.3	34.7	148	0.7	13.1	6.8	1135	2.02	3	9.2	2.4	1.6	92	1.2	0.7	1.1	33	0.44	0.103	76	20	0.41
Rosetta	11	454630	5545975	R0N 0400W	soil	2.3	10.3	29.9	135	0.4	11.4	5.7	804	1.9	2.5	7.9	1.3	1.7	49	0.9	0.8	0.9	32	0.26	0.062	44	22	0.35
Rosetta	11	454656	5545977	R0N 0375W	soil	8.4	9.8	29.9	85	0.2	8.2	6.2	1907	1.98	3.2	6.2	<0.5	0.9	89	1.5	0.8	0.8	39	0.41	0.054	65	13	0.19
Rosetta	11	454682	5545979	R0N 0350W	soil	2.8	10.3	22	36	0.3	6.4	3.2	195	2.61	2.1	2.2	0.6	1.2	24	0.4	0.6	0.4	57	0.13	0.035	8	23	0.23
Rosetta	11	454708	5545981	R0N 0325W	soil	3.3	6.9	20.1	37	0.1	3.3	2.2	320	1.62	2.1	0.8	<0.5	0.6	50	0.6	0.6	0.5	29	0.26	0.026	9	7	0.08
Rosetta	11	454735	5545983	R0N 0300W	soil	1	5.9	22.8	71	0.1	6	2.4	173	2.2	4.3	0.5	0.7	1.4	24	0.4	1.2	0.7	35	0.08	0.038	3	18	0.25
Rosetta	11	454761	5545985	R0N 0275W	soil	3.3	12.5	52.2	140	0.3	8.3	5.1	3568	1.5	2.2	13.1	1.1	0.3	107	3.4	0.6	0.5	27	0.44	0.122	59	11	0.26
Rosetta	11	454787	5545987	R0N 0250W	soil	1.3	8.2	46.9	78	0.1	7.3	3.6	437	1.96	2.1	3.8	<0.5	1.5	60	0.7	0.8	0.7	36	0.23	0.03	16	11	0.2
Rosetta	11	454813	5545989	R0N 0225W	soil	0.9	3.6	15.8	15	<0.1	2.2	0.9	48	0.62	3.3	0.2	<0.5	0.7	8	0.2	0.5	0.3	28	0.02	0.013	3	3	0.04
Rosetta	11	454840	5545990	R0N 0200W	soil	1.7	5.9	19	21	0.2	4.9	1.7	68	1.44	2	0.3	<0.5	1.2	9	0.1	0.6	0.3	40	0.04	0.016	3	11	0.13
Rosetta	11	454864	5545990	R0N 0175W	soil	2.4	13.8	23.8	52	0.5	6.2	2.5	173	2.18	3.2	1.1	<0.5	4	5	0.3	0.7	0.3	39	0.03	0.035	6	19	0.26
Rosetta	11	454888	5545989	R0N 0150W	soil	3.2	20.2	18.3	43	0.4	9.8	2.7	225	2.44	1.7	0.6	<0.5	2.9	6	0.3	0.6	0.3	51	0.02	0.027	6	23	0.39
Rosetta	11	454912	5545988	R0N 0125W	soil	4.4	11.5	18.6	32	0.2	5.9	1.6	121	2.48	1.8	0.7	<0.5	2.4	4	0.2	0.4	0.4	60	0.02	0.022	4	16	0.21
Rosetta	11	454935	5545988	R0N 0100W	soil	2	7.8	18.1	13	0.2	2.2	0.8	69	1.24	1	0.5	<0.5	0.7	4	0.4	0.2	0.3	26	0.02	0.019	4	7	0.06
Rosetta	11	454959	5545987	R0N 0075W	soil	8.1	24.2	48.7	67	1.9	14.8	3.8	173	2.64	3.9	1.1	1	2.7	6	0.5	0.8	0.5	36	0.03	0.043	5	15	0.1

Property	UTMZone	Easting	Northing	Sample Num	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
Rosetta	11	454983	5545986	R0N 0050W	soil	2.6	10.7	17.2	42	0.2	4.8	2.4	1996	1.18	3.2	0.5	<0.5	0.2	7	0.3	0.5	0.2	30	0.03	0.045	4	11	0.15
Rosetta	11	455007	5545986	R0N 0025W	soil	0.9	7.1	14.8	9	0.3	1.4	0.5	30	0.75	1.3	0.5	<0.5	0.3	4	0.2	0.2	0.3	18	<0.01	0.027	3	4	0.03
Rosetta	11	455030	5545985	R0N 0000W	soil	0.4	3.9	11.9	6	0.2	0.6	0.3	33	0.22	0.8	0.2	<0.5	<0.1	4	<0.1	0.2	0.2	7	<0.01	0.013	3	2	0.01
Rosetta	11	453890	5546040	R100N 1200W	soil	1.1	28.5	13.3	84	0.2	19.9	8.6	810	2.32	4	0.8	0.8	3.6	29	0.7	0.3	0.2	51	0.35	0.089	11	28	1.02
Rosetta	11	453911	5546042	R100N 1175W	soil	1.1	23.6	11.8	113	0.5	21.2	8	593	2.8	3.5	1	<0.5	3.3	18	0.7	0.3	0.2	54	0.13	0.055	12	30	0.76
Rosetta	11	453932	5546045	R100N 1150W	soil	1.3	40.8	12.1	108	0.4	28.8	9.6	529	2.58	5.8	0.9	1.2	4.2	20	0.7	0.3	0.3	58	0.28	0.075	11	32	1.09
Rosetta	11	453954	5546047	R100N 1125W	soil	0.9	30.2	9.7	98	0.3	22.9	9.2	322	2.57	6.2	0.6	<0.5	3.4	12	0.4	0.3	0.2	54	0.14	0.078	10	28	0.98
Rosetta	11	453975	5546050	R100N 1100W	soil	1.1	19.6	8.4	99	0.2	20.5	7.5	256	2.31	4.1	0.6	26.1	2.6	10	0.4	0.3	0.2	49	0.11	0.037	7	28	0.88
Rosetta	11	453998	5546050	R100N 1075W	soil	1.1	21	8	113	0.6	17.6	7.2	400	2.45	3.9	0.7	<0.5	2.4	13	0.5	0.3	0.2	55	0.12	0.071	9	26	0.77
Rosetta	11	454021	5546049	R100N 1050W	soil	0.9	28.8	7.6	98	0.6	21.9	8.4	362	2.5	4.8	0.5	0.8	3.4	13	0.4	0.3	0.2	60	0.14	0.097	11	31	0.98
Rosetta	11	454044	5546048	R100N 1025W	soil	1	27.1	7.1	80	0.3	15.2	7.2	928	2.06	5	0.4	<0.5	1.5	12	0.5	0.5	0.1	56	0.12	0.065	6	23	0.74
Rosetta	11	454067	5546048	R100N 1000W	soil	1.1	16.4	7.1	117	0.4	12.1	6.9	485	2.83	14.8	0.5	<0.5	2.1	12	0.5	0.5	0.1	54	0.12	0.108	6	22	0.81
Rosetta	11	454090	5546047	R100N 0975W	soil	1.6	28.1	10.4	107	0.8	15	6.6	1272	1.99	2.9	2.9	<0.5	0.7	31	2.3	0.4	0.2	40	0.33	0.066	14	17	0.47
Rosetta	11	454113	5546046	R100N 0950W	soil	1.1	24	15	79	0.2	16.2	9.4	1811	2.18	3.5	0.5	1.3	1.9	28	0.6	0.6	0.2	51	0.34	0.138	9	26	0.98
Rosetta	11	454136	5546046	R100N 0925W	soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Rosetta	11	454160	5546045	R100N 0900W	soil	4	14.7	18.4	86	1.2	7.3	5.1	1441	1.59	1.9	10.8	1.4	0.3	100	1.4	0.5	0.5	29	0.49	0.11	84	24	0.31
Rosetta	11	454185	5546049	R100N 0875W	soil	3.2	11	13.7	58	0.6	5.2	4.3	1649	1.25	2.4	8.7	1.3	0.2	105	1.6	0.4	0.3	24	0.68	0.096	103	22	0.25
Rosetta	11	454211	5546053	R100N 0850W	soil	4.1	29.6	27.1	113	1	9.6	5.4	3317	1.49	2.9	14.6	<0.5	0.3	187	5.8	0.5	0.5	31	0.91	0.12	180	19	0.24
Rosetta	11	454236	5546057	R100N 0825W	soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Rosetta	11	454262	5546060	R100N 0800W	soil	0.1	3.2	8.8	9	<0.1	0.8	0.4	65	0.2	<0.5	0.2	<0.5	<0.1	10	0.2	0.1	0.1	6	0.05	0.016	1	2	0.02
Rosetta	11	454287	5546064	R100N 0775W	soil	2.1	12.9	45	101	0.5	6.9	4.7	1574	1.34	4.4	20.3	2.2	0.3	256	3.3	0.7	0.5	22	1.06	0.093	151	20	0.22
Rosetta	11	454313	5546068	R100N 0750W	soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Rosetta	11	454338	5546072	R100N 0725W	soil	1.5	8.5	15.9	80	0.1	8.4	3.1	254	2.13	3.1	0.7	2.2	1.7	27	0.4	0.5	0.3	39	0.16	0.028	5	18	0.29
Rosetta	11	454365	5546075	R100N 0700W	soil	1.3	9	28.2	52	0.3	4.9	3.7	671	1.25	3.8	2.2	0.9	0.5	59	1	0.7	0.3	21	0.34	0.041	30	9	0.14
Rosetta	11	454387	5546075	R100N 0675W	soil	1.6	9	17.1	79	0.3	10	4.4	284	2.28	2.3	1.1	0.6	2.1	25	0.4	0.4	0.3	33	0.12	0.027	17	17	0.28
Rosetta	11	454408	5546074	R100N 0650W	soil	1.8	14.1	18.4	171	0.4	13	6.1	1464	1.94	2.1	3.3	1	1.8	77	0.9	0.5	0.3	32	0.4	0.047	65	26	0.37
Rosetta	11	454430	5546073	R100N 0625W	soil	1.3	5.5	18	51	0.2	4.1	2.8	871	1.03	2.1	0.5	<0.5	0.3	47	0.5	0.5	0.2	21	0.26	0.024	9	9	0.12
Rosetta	11	454451	5546073	R100N 0600W	soil	2.3	9.6	22	163	0.2	11.4	5.2	591	2.76	3.4	2.3	2.2	3.3	81	0.5	0.6	0.5	45	0.24	0.03	21	27	0.51
Rosetta	11	454473	5546072	R100N 0575W	soil	2.2	12.5	15.5	104	0.4	7.8	4.4	1942	1.28	1.5	18.8	0.8	0.6	155	2.1	0.4	0.3	23	0.63	0.049	85	16	0.22
Rosetta	11	454494	5546071	R100N 0550W	soil	2	4.2	16.5	47	0.1	3.5	1.4	78	1.05	1.5	0.6	0.7	0.9	33	0.5	0.5	0.4	26	0.16	0.016	4	12	0.14
Rosetta	11	454516	5546071	R100N 0525W	soil	1.8	11.7	69.4	149	0.8	8.4	4.8	1117	1.48	5	20.3	2.6	1.1	184	2.2	1.4	1.1	21	1.1	0.099	136	22	0.25
Rosetta	11	454537	5546070	R100N 0500W	soil	0.8	4.9	17.7	30	0.1	2.4	1	126	0.53	1.2	0.4	<0.5	<0.1	21	0.5	0.5	0.2	15	0.13	0.02	3	4	0.04
Rosetta	11	454559	5546070	R100N 0475W	soil	1.6	7	14.4	29	0.4	3.4	1.4	44	1.79	4.5	1.2	0.7	1.8	11	0.5	0.6	0.2	24	0.08	0.031	6	12	0.09
Rosetta	11	454581	5546070	R100N 0450W	soil	1.8	6.1	19.7	57	0.2	7.3	3	189	1.89	3.4	0.4	1.1	1.1	29	0.5	0.7	0.4	38	0.15	0.032	5	15	0.26
Rosetta	11	454603	5546070	R100N 0425W	soil	2.2	5.6	16.8	53	0.3	6.8	3	244	1.53	2.1	0.7	1.5	0.6	23	0.3	0.5	0.3	30	0.13	0.036	9	14	0.23
Rosetta	11	454625	5546070	R100N 0400W	soil	2.9	6.9	15.3	134	0.9	12.8	5.2	211	2.32	2.6	2.1	3	1.6	34	0.3	0.4	0.4	37	0.17	0.043	15	26	0.4

Property	UTMZone	Easting	Northing	Sample Num	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
Rosetta	11	454650	5546070	R100N 0375W	soil	4.7	8.9	94.1	76	1	7.7	2.8	310	2.67	3.6	2.3	1.6	0.8	76	0.7	1	8.6	39	0.43	0.055	31	14	0.14
Rosetta	11	454675	5546071	R100N 0350W	soil	1.2	5.4	12.1	23	0.2	3	1.4	190	0.98	1.5	0.3	1.8	0.4	9	0.2	0.6	1.2	28	0.04	0.018	4	7	0.05
Rosetta	11	454700	5546072	R100N 0325W	soil	6.1	12.7	27.7	67	0.4	9.2	3.3	325	2.49	2.9	1.6	0.7	1.9	14	0.4	1.1	1.6	38	0.07	0.05	7	17	0.19
Rosetta	11	454725	5546072	R100N 0300W	soil	2	11	37.9	65	0.6	6.4	4.9	907	1.66	2	8.5	1	0.3	95	1.2	0.5	0.6	25	0.47	0.068	73	12	0.23
Rosetta	11	454750	5546073	R100N 0275W	soil	1.1	5.4	13.8	17	0.1	2.7	1.7	187	1.03	1.3	0.4	2.2	0.4	29	0.4	0.3	0.5	20	0.13	0.02	5	6	0.04
Rosetta	11	454775	5546074	R100N 0250W	soil	1.1	9.9	17.1	49	0.2	4.8	2.9	987	0.89	2.9	0.6	1.5	0.3	92	0.9	0.5	0.9	27	0.37	0.025	9	8	0.04
Rosetta	11	454800	5546074	R100N 0225W	soil	0.4	5.3	26.3	16	<0.1	1.4	0.6	34	0.33	1.4	0.2	2.2	0.1	12	0.2	0.5	0.4	12	0.04	0.017	2	3	0.02
Rosetta	11	454825	5546075	R100N 0200W	soil	8.9	27.8	22.6	119	0.8	23.3	4.3	211	2.95	3	0.8	2.1	2.6	6	0.7	1.5	0.4	71	0.02	0.028	4	32	0.39
Rosetta	11	454850	5546075	R100N 0175W	soil	1.2	2.7	8.9	12	<0.1	2.3	0.9	30	0.48	0.9	0.2	0.6	0.1	3	0.2	0.5	0.2	22	0.02	0.008	2	4	0.02
Rosetta	11	454875	5546075	R100N 0150W	soil	3	8.3	15.1	26	0.4	4.9	1.4	70	1.3	2.6	0.5	9	0.8	7	0.3	0.4	0.6	38	0.03	0.019	5	13	0.08
Rosetta	11	454900	5546075	R100N 0125W	soil	2.9	7.6	16.6	14	0.8	2.4	0.7	70	0.57	2.2	0.4	2.7	<0.1	4	0.3	0.4	0.3	23	0.01	0.02	3	9	0.07
Rosetta	11	454925	5546075	R100N 0100W	soil	1.6	4.6	12.5	16	0.2	2.5	0.9	23	0.32	1	0.2	0.6	<0.1	5	0.3	0.5	0.1	15	0.02	0.015	2	4	0.01
Rosetta	11	454950	5546075	R100N 0075W	soil	2.1	7.5	16.6	30	0.1	4.4	1.3	45	0.67	1.6	0.2	1	<0.1	5	0.5	0.5	0.2	20	0.01	0.016	2	4	0.01
Rosetta	11	454975	5546075	R100N 0050W	soil	2.1	3.3	10.8	13	0.2	2.1	0.5	31	0.5	1.5	0.2	<0.5	0.1	4	0.2	0.4	0.2	22	<0.01	0.013	4	6	0.03
Rosetta	11	455000	5546075	R100N 0025W	soil	5.6	16.4	21.1	44	0.6	8.4	3	254	1.83	2.3	0.7	1	0.8	6	0.4	0.4	0.3	52	0.02	0.032	5	18	0.15
Rosetta	11	455025	5546075	R100N 0000W	soil	0.8	3.2	19.6	6	<0.1	1.1	0.4	21	0.3	1.9	0.2	<0.5	<0.1	4	0.2	0.5	0.3	12	0.01	0.014	2	3	0.02
Rosetta	11	453880	5546170	R200N 1200W	soil	0.8	7.8	12.2	35	0.2	5.4	3	698	1.17	2.5	0.3	0.5	0.8	9	0.2	0.4	0.3	39	0.06	0.032	5	9	0.19
Rosetta	11	453904	5546169	R200N 1175W	soil	1.5	18.3	11.6	98	0.8	10.2	6.5	412	2.71	5.8	0.9	1.1	1	13	0.8	0.5	0.2	46	0.11	0.113	6	19	0.4
Rosetta	11	453928	5546169	R200N 1150W	soil	1.4	29.1	12.9	117	0.3	16.2	8.3	371	2.95	6.4	0.6	<0.5	2.2	14	0.7	0.6	0.3	71	0.14	0.069	7	24	0.71
Rosetta	11	453952	5546168	R200N 1125W	soil	1.1	12.2	14.1	124	0.3	9.5	6.5	1865	2.47	3.6	0.5	0.5	1.1	18	1	0.5	0.3	55	0.17	0.059	5	15	0.36
Rosetta	11	453976	5546167	R200N 1100W	soil	2.1	40.6	22.9	159	0.6	27	12.8	803	4.06	5.3	1.2	1.3	2.7	36	1.8	0.6	0.4	92	0.44	0.102	11	32	0.91
Rosetta	11	454000	5546167	R200N 1075W	soil	2	24	18.5	73	0.5	15.7	7.6	405	2.99	3.4	1.3	1.1	2.4	19	1	0.4	0.4	60	0.2	0.043	13	22	0.45
Rosetta	11	454024	5546166	R200N 1050W	soil	1.4	38.9	11.3	104	0.3	25.8	11.5	692	2.94	4.3	0.9	1.7	4.6	20	0.6	0.4	0.2	66	0.31	0.103	15	32	1.12
Rosetta	11	454048	5546165	R200N 1025W	soil	1.2	34.8	9.2	90	0.2	21.6	11.8	677	2.88	4.5	0.7	1.7	4.1	21	0.5	0.4	0.2	71	0.35	0.126	13	32	1.31
Rosetta	11	454071	5546165	R200N 1000W	soil	2	51.9	17.4	181	0.6	41.4	15.6	1178	4.34	4.9	2.6	2	4.1	39	1.4	0.5	0.3	98	0.52	0.147	19	53	1.76
Rosetta	11	454096	5546165	R200N 0975W	soil	1.3	34.5	8.8	88	0.2	20.4	9.4	1133	2.59	3.6	0.7	1.3	3.8	16	0.5	0.3	0.2	64	0.27	0.106	13	31	1.09
Rosetta	11	454121	5546165	R200N 0950W	soil	1.6	30.6	11.3	122	0.2	24	9.1	857	2.52	4.6	1.2	1.1	2	21	0.7	0.4	0.2	54	0.31	0.081	13	29	0.94
Rosetta	11	454146	5546165	R200N 0925W	soil	1.5	32.4	10	98	0.3	23.7	9.2	832	2.55	3.6	1	3.4	3.2	22	0.6	0.3	0.2	62	0.31	0.102	15	31	1.08
Rosetta	11	454171	5546165	R200N 0900W	soil	2	22.7	11.5	54	0.6	16.3	6	480	2.62	4.1	1.4	0.5	1.2	15	1.5	0.5	0.2	54	0.11	0.049	10	24	0.42
Rosetta	11	454196	5546165	R200N 0875W	soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Rosetta	11	453850	5546164	R200N 0850W	soil	2.4	14.5	11.8	38	0.3	10.7	3.7	191	2.34	2.3	0.7	<0.5	1.5	13	0.3	0.3	0.2	49	0.08	0.03	5	18	0.26
Rosetta	11	453873	5546164	R200N 0825W	soil	2	20.9	9.7	84	0.2	16.3	7.9	358	3.4	3.6	1.1	1.6	2.9	20	0.2	0.3	0.2	73	0.19	0.068	17	29	0.99
Rosetta	11	454250	5546163	R200N 0800W	soil	1.4	6.8	16.8	45	0.4	7.1	3	131	1.76	2.5	0.6	4.1	2.7	10	0.2	0.5	0.3	33	0.06	0.03	5	13	0.24
Rosetta	11	454273	5546164	R200N 0775W	soil	1.5	14.9	13.6	64	0.2	11.5	5.6	211	2.66	3.4	0.7	1.5	2.9	12	0.3	0.6	0.2	62	0.08	0.042	7	21	0.41
Rosetta	11	454296	5546166	R200N 0750W	soil	0.9	8.6	26.6	45	0.2	6.3	3.4	353	1.95	4.4	0.4	2.9	1.3	17	0.3	0.9	0.3	62	0.12	0.062	5	10	0.19
Rosetta	11	454319	5546167	R200N 0725W	soil	2	13.1	15.4	58	0.2	9.3	4.2	198	3.59	5.1	0.8	1.2	2.7	11	0.5	0.6	0.3	73	0.07	0.046	6	18	0.35

Property	UTMZone	Easting	Northing	Sample Num	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
Rosetta	11	454342	5546169	R200N 0700W	soil	1.2	17.3	17	87	0.4	13.4	7	417	2.99	5.2	0.9	0.9	2.9	22	0.4	0.7	0.2	73	0.17	0.098	8	21	0.61
Rosetta	11	454365	5546170	R200N 0675W	soil	1.1	12.7	9.1	111	0.4	10	6.9	313	2.83	3.5	0.9	1.7	2.9	16	0.3	0.2	0.2	65	0.11	0.058	10	20	0.67
Rosetta	11	454388	5546171	R200N 0650W	soil	2.1	17	12.2	99	0.6	15.7	7.4	466	2.94	3.1	1	1	2.6	35	0.4	0.3	0.2	72	0.26	0.072	13	21	0.84
Rosetta	11	454411	5546173	R200N 0625W	soil	1.5	11	13.3	120	0.4	11.3	5.9	379	2.28	2	1.5	<0.5	1.7	30	0.4	0.3	0.5	36	0.1	0.03	12	22	0.4
Rosetta	11	454435	5546175	R200N 0600W	soil	3	14.4	29.6	82	0.5	8.7	3.9	183	2.19	4	9.4	1.5	5.5	35	0.5	0.6	0.4	32	0.16	0.044	40	22	0.19
Rosetta	11	454457	5546174	R200N 0575W	soil	5.8	13	30.2	80	1.3	9.5	6.1	1644	1.4	2.3	15.6	3.4	0.6	97	1.1	0.6	0.4	26	0.47	0.068	101	27	0.21
Rosetta	11	454480	5546173	R200N 0550W	soil	1.2	5.4	16.6	17	<0.1	2.7	1.3	49	0.79	1.9	0.3	<0.5	0.5	19	0.3	0.4	0.5	25	0.08	0.014	4	5	0.04
Rosetta	11	454502	5546172	R200N 0525W	soil	1.4	7.2	22.4	26	0.2	3.6	2.1	290	1.29	2.7	0.6	0.7	0.3	29	0.6	0.6	0.5	26	0.12	0.021	6	7	0.08
Rosetta	11	454525	5546170	R200N 0500W	soil	1.2	9.9	15	40	0.1	9.2	4.8	287	1.44	2.8	0.7	0.9	2.3	35	0.3	0.6	0.2	28	0.19	0.041	11	16	0.34
Rosetta	11	454548	5546169	R200N 0475W	soil	0.7	8.7	19.9	38	0.1	7	3	223	0.97	1.1	1.1	1.5	0.7	32	0.3	0.4	0.2	21	0.14	0.023	16	12	0.22
Rosetta	11	454570	5546168	R200N 0450W	soil	1.8	6.9	17.2	63	0.2	7.2	4.3	431	2.12	3.4	0.8	2.9	2.1	20	0.5	0.7	0.3	36	0.11	0.034	8	16	0.26
Rosetta	11	454593	5546167	R200N 0425W	soil	0.8	8	23.1	86	0.2	9	4.5	745	1.64	1.7	0.6	3.9	2.1	24	0.3	0.6	0.2	27	0.11	0.055	12	22	0.36
Rosetta	11	454616	5546165	R200N 0400W	soil	0.9	9.9	18.6	109	0.1	9.8	6	455	2.11	1.4	1.1	3	4.3	27	0.2	0.5	0.2	37	0.14	0.054	18	23	0.5
Rosetta	11	454642	5546166	R200N 0375W	soil	0.7	4.5	11.9	15	0.2	2.1	0.9	90	0.88	1.3	0.4	0.6	0.4	10	0.3	0.2	0.2	26	0.04	0.027	3	7	0.06
Rosetta	11	454668	5546166	R200N 0350W	soil	2.9	19.8	14.9	60	1.5	10.5	4.7	693	1.83	2.7	27.9	4.6	1.7	124	0.9	0.8	0.2	22	0.51	0.081	115	18	0.14
Rosetta	11	454694	5546167	R200N 0325W	soil	5.2	18.1	60.6	108	1.2	11.7	5.6	1442	1.59	2.4	23.6	1.8	0.6	156	2.6	1.5	0.5	25	0.84	0.11	153	23	0.33
Rosetta	11	454720	5546167	R200N 0300W	soil	3	19.1	27.1	63	1.4	8.9	4.3	1416	1	4.4	21.6	3.7	0.5	147	2.5	1.1	0.3	16	0.67	0.064	152	17	0.16
Rosetta	11	454746	5546168	R200N 0275W	soil	1.4	6.6	10.6	86	<0.1	9.7	4.7	225	2.59	1.6	0.7	1.6	2.8	20	0.2	0.4	0.1	47	0.08	0.028	9	27	0.53
Rosetta	11	454772	5546169	R200N 0250W	soil	0.5	2.6	11.6	8	<0.1	0.7	0.4	33	0.19	<0.5	0.2	0.9	<0.1	9	0.2	0.2	0.2	6	0.04	0.015	3	2	0.01
Rosetta	11	454798	5546169	R200N 0225W	soil	2.2	17.4	13.8	99	0.1	22.7	6.6	329	2.91	1.7	0.8	2.3	3.4	19	0.3	1.3	0.1	55	0.11	0.054	14	44	0.88
Rosetta	11	454825	5546170	R200N 0200W	soil	0.7	7.6	13.6	38	0.2	5.5	1.8	130	0.85	1.9	2.3	<0.5	0.4	14	0.5	0.5	0.3	19	0.04	0.026	14	7	0.1
Rosetta	11	454851	5546171	R200N 0175W	soil	2	22.3	33	200	0.9	21.9	2.1	365	1.07	2.2	41.4	2.5	0.8	614	2.4	0.6	0.2	16	1.23	0.057	42	14	0.13
Rosetta	11	454877	5546172	R200N 0150W	soil	2.4	16.1	24.1	110	1.5	9.2	4.4	535	1.36	1.4	10.8	2.5	0.6	148	1.3	0.7	0.3	25	0.22	0.035	89	11	0.12
Rosetta	11	454903	5546174	R200N 0125W	soil	0.2	3.2	12.4	18	0.3	1.6	0.8	83	0.51	1.3	0.2	0.7	<0.1	10	0.2	0.4	0.1	13	0.02	0.014	2	4	0.05
Rosetta	11	454929	5546175	R200N 0100W	soil	0.6	5	12.2	17	0.2	2.7	1	116	0.78	2.2	0.3	1.6	<0.1	13	0.4	0.4	0.2	20	0.03	0.018	3	6	0.06
Rosetta	11	454955	5546176	R200N 0075W	soil	1.3	10.5	46.6	124	0.5	12.1	3	930	0.96	3.1	12.3	2.4	0.3	340	2.2	0.7	0.4	16	0.73	0.086	29	14	0.14
Rosetta	11	454981	5546177	R200N 0050W	soil	1	3.9	8.8	14	<0.1	2.9	0.8	24	0.47	1.2	0.4	<0.5	0.1	10	0.3	0.3	0.1	16	0.02	0.011	2	3	0.02
Rosetta	11	455007	5546178	R200N 0025W	soil	1.9	6.4	21.9	30	0.2	4.1	1.4	130	1.39	2	0.8	0.5	0.5	20	0.4	0.5	0.3	35	0.04	0.021	5	11	0.09
Rosetta	11	455032	5546180	R200N 0000W	soil	1.9	26.5	44.8	174	1.8	18.1	3.7	1499	0.98	2.3	24.6	3	1	375	2.2	1.4	0.4	14	0.7	0.093	103	23	0.19
Rosetta	11	453830	5546279	R300N 1200W	soil	1.9	16.6	17.6	80	0.3	10.6	5.7	1082	2.37	2.9	0.6	0.8	1.6	26	0.7	0.5	0.2	48	0.29	0.099	7	16	0.49
Rosetta	11	453854	5546279	R300N 1175W	soil	3	28	10	98	0.2	17.8	8.1	692	2.41	3.5	1	1.8	3.4	21	0.8	0.4	0.2	53	0.27	0.085	14	23	0.9
Rosetta	11	453878	5546279	R300N 1150W	soil	1.7	30.2	10.4	92	0.3	20.2	8.6	636	2.37	5.2	0.8	2.9	3.8	22	0.8	0.5	0.2	51	0.29	0.055	15	23	0.95
Rosetta	11	453902	5546280	R300N 1125W	soil	1	9.9	8.2	46	0.2	5.4	2.9	304	1.66	2	0.4	0.6	0.6	20	0.4	0.4	0.2	40	0.18	0.067	5	10	0.28
Rosetta	11	453925	5546280	R300N 1100W	soil	1.5	17.4	17	76	0.2	14.3	6.1	550	2.35	2.4	0.5	1.1	2	14	0.7	0.5	0.2	49	0.14	0.086	6	22	0.58
Rosetta	11	453949	5546280	R300N 1075W	soil	0.8	18.7	15.4	110	0.3	22.1	9.4	554	3.43	2.8	0.6	3.9	3.2	26	0.6	0.5	0.4	66	0.19	0.102	8	35	0.9
Rosetta	11	453973	5546282	R300N 1050W	soil	1	17.8	10.4	90	0.5	13.5	6.9	364	2.97	2.2	0.5	1.1	2.7	16	0.4	0.5	0.2	67	0.14	0.098	7	21	0.63

Property	UTMZone	Easting	Northing	Sample Num	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
Rosetta	11	453997	5546282	R300N 1025W	soil	0.9	19.2	7.2	81	0.4	11.4	5.1	339	2.28	1.2	0.3	1.1	2.5	8	0.2	0.4	0.2	52	0.06	0.04	6	24	0.66
Rosetta	11	454020	5546282	R300N 1000W	soil	1.3	24.2	8.7	122	0.4	17	6	357	2.5	1.9	0.4	1	2.3	14	0.7	0.4	0.2	53	0.1	0.09	7	23	0.7
Rosetta	11	454044	5546281	R300N 0975W	soil	1.3	25.1	9.8	131	0.2	21.4	7.4	414	2.78	1.8	0.6	1	3	13	0.4	0.4	0.2	58	0.1	0.11	8	29	0.99
Rosetta	11	454068	5546281	R300N 0950W	soil	1.1	28.2	10.3	121	0.3	22.7	7.2	711	2.38	4.4	0.4	1.2	2.9	11	0.4	0.5	0.2	44	0.09	0.05	8	25	0.82
Rosetta	11	454092	5546280	R300N 0925W	soil	1.3	27.4	13	160	0.8	26.8	7.8	1071	2.41	8.4	0.4	0.6	2.7	11	0.6	0.6	0.3	43	0.12	0.09	8	28	0.69
Rosetta	11	454115	5546280	R300N 0900W	soil	1.3	37.8	194.8	359	0.7	37.2	9.9	1261	2.24	4.6	0.8	3.6	3.1	41	2.9	0.7	0.3	37	0.67	0.058	14	31	1.14
Rosetta	11	454139	5546279	R300N 0875W	soil	3.4	52.5	17.2	125	1.1	39.3	11.7	993	2.6	14.2	1.4	2.6	1.3	70	1.6	1.8	0.3	33	1.11	0.136	32	25	0.79
Rosetta	11	454163	5546279	R300N 0850W	soil	1.6	33.8	14.7	110	0.3	28.8	9.3	1062	1.96	5	0.6	0.7	1.1	8	0.4	0.7	0.2	36	0.14	0.135	14	31	1.13
Rosetta	11	454187	5546278	R300N 0825W	soil	1.2	25.1	13.2	94	0.3	23.1	6.8	801	1.64	3.2	0.5	<0.5	0.6	12	0.4	0.6	0.2	27	0.2	0.115	9	26	0.98
Rosetta	11	454210	5546278	R300N 0800W	soil	1.1	21.3	11.6	62	0.2	18.9	3	323	1.24	2	0.4	<0.5	0.4	7	0.2	0.5	0.1	21	0.15	0.157	7	21	0.64
Rosetta	11	454234	5546277	R300N 0775W	soil	0.8	18.1	13.2	77	0.2	17.1	4.3	839	1.13	2.1	0.4	<0.5	0.5	13	0.3	0.5	0.1	20	0.27	0.108	6	22	0.9
Rosetta	11	454258	5546277	R300N 0750W	soil	0.7	25	12.3	91	0.4	24.2	6	947	1.43	2.5	0.6	<0.5	0.8	15	0.7	0.5	0.2	25	0.33	0.115	9	27	1.09
Rosetta	11	454282	5546276	R300N 0725W	soil	1.9	20	23.4	76	0.3	12.7	6.5	997	1.79	3.6	0.3	<0.5	0.3	20	1.3	1	0.2	38	0.34	0.068	4	15	0.44
Rosetta	11	454305	5546276	R300N 0700W	soil	3.9	35.8	14.5	155	0.5	20.2	12.1	1019	3.1	3.6	1.6	0.9	0.9	41	2.1	0.6	0.2	79	0.65	0.106	10	23	0.97
Rosetta	11	454329	5546275	R300N 0675W	soil	1.7	16.4	22.4	64	<0.1	10.2	5.8	341	2.64	4.7	0.4	<0.5	0.9	18	0.3	0.6	0.2	63	0.21	0.084	6	14	0.54
Rosetta	11	454353	5546275	R300N 0650W	soil	4.2	24.8	6.6	98	0.4	13.6	10.6	700	2.83	2.9	1.3	<0.5	1	41	1.2	0.4	0.1	72	0.69	0.148	9	21	0.83
Rosetta	11	454377	5546274	R300N 0625W	soil	2.6	19	29.8	74	0.3	12.2	6.5	842	2.26	3.8	1.2	<0.5	0.3	34	0.9	0.6	0.3	47	0.24	0.113	8	17	0.5
Rosetta	11	454400	5546273	R300N 0600W	soil	1.6	16.2	8.1	53	0.2	8.8	5.4	520	2.52	2.4	0.9	<0.5	1.3	18	0.3	0.4	0.1	50	0.18	0.125	9	14	0.42
Rosetta	11	454423	5546273	R300N 0575W	soil	4.5	11.2	8.4	66	0.2	8.6	5.9	688	2.29	2.3	0.8	<0.5	1.6	23	0.3	0.3	0.2	38	0.1	0.072	6	16	0.39
Rosetta	11	454445	5546273	R300N 0550W	soil	1.7	9.4	21.1	40	0.2	5.6	3.1	296	1.68	2.8	0.4	1.2	0.3	24	0.5	0.7	0.3	43	0.14	0.049	5	10	0.25
Rosetta	11	454468	5546274	R300N 0525W	soil	2.8	13.9	8	50	0.3	10.3	4	240	2.16	2.1	0.6	0.5	0.5	30	0.3	0.3	0.2	57	0.13	0.041	6	15	0.45
Rosetta	11	454490	5546274	R300N 0500W	soil	2.2	5.4	13.2	21	0.2	4.1	2.4	219	0.71	1.9	0.2	<0.5	0.2	56	0.3	0.4	0.2	19	0.16	0.024	4	7	0.19
Rosetta	11	454513	5546274	R300N 0475W	soil	2.9	8.2	12.5	38	0.2	6.4	2.8	139	1.86	1.2	0.5	<0.5	0.9	74	0.2	0.3	0.4	42	0.18	0.019	6	12	0.23
Rosetta	11	454535	5546275	R300N 0450W	soil	2	15	8.7	23	0.3	5.5	3	137	1.51	1.6	0.8	<0.5	1.6	11	0.2	0.4	0.2	26	0.06	0.022	6	10	0.2
Rosetta	11	454557	5546275	R300N 0425W	soil	2.4	11.7	8.3	33	0.2	6.5	2.4	102	1.94	1.5	0.6	<0.5	0.7	19	0.4	0.2	0.2	33	0.08	0.03	4	12	0.19
Rosetta	11	454580	5546275	R300N 0400W	soil	2.6	19.4	8.3	76	0.2	19.5	7	313	2.88	1.8	1.5	<0.5	2.8	27	0.3	0.2	0.2	54	0.15	0.036	13	29	0.96
Rosetta	11	454608	5546276	R300N 0375W	soil	3.4	29.5	12.6	153	0.3	20.6	8.7	505	2.73	1.5	2.6	<0.5	1.7	68	0.7	0.3	0.3	48	0.36	0.052	20	33	0.84
Rosetta	11	454636	5546277	R300N 0350W	soil	1.6	14.8	7.6	44	0.3	16.7	5.7	214	1.84	0.8	0.9	<0.5	1.5	32	0.1	0.3	0.2	30	0.15	0.025	9	24	0.65
Rosetta	11	454664	5546279	R300N 0325W	soil	2.2	9.5	9.2	39	0.3	8.6	3.2	170	1.86	1.7	0.7	<0.5	1.2	14	0.3	0.4	0.2	39	0.05	0.021	5	17	0.28
Rosetta	11	454691	5546280	R300N 0300W	soil	5.6	18	6.9	26	0.5	7.3	1.2	135	0.29	0.8	34.4	<0.5	0.1	238	1.2	0.5	<0.1	8	1.08	0.103	91	16	0.1
Rosetta	11	454719	5546281	R300N 0275W	soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Rosetta	11	454747	5546283	R300N 0250W	soil	3.9	10.5	26.8	35	0.6	6.3	6.9	235	1.75	1.2	0.8	<0.5	1.1	28	0.4	0.3	0.4	31	0.11	0.024	13	10	0.16
Rosetta	11	454775	5546284	R300N 0225W	soil	0.7	13	15.5	73	0.4	12.8	4.2	224	1.06	0.6	2	<0.5	1	63	0.3	0.1	0.2	23	0.25	0.043	28	27	0.54
Rosetta	11	454802	5546285	R300N 0200W	soil	2.6	23	16.8	89	0.4	16.4	9.7	685	2.61	2	1.5	<0.5	2.1	47	0.4	0.3	0.3	51	0.22	0.04	10	29	0.7
Rosetta	11	454829	5546287	R300N 0175W	soil	2	7.7	20.1	19	0.2	3.2	1.6	84	1.55	2	0.5	<0.5	1.2	16	0.4	0.4	0.4	37	0.06	0.018	5	8	0.1
Rosetta	11	454856	5546289	R300N 0150W	soil	1.5	6.9	11.2	20	0.3	3.4	1.2	69	0.79	1.2	0.4	<0.5	0.3	12	0.3	0.3	0.2	20	0.05	0.022	4	8	0.18

Property	UTMZone	Easting	Northing	Sample Num	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
Rosetta	11	454883	5546291	R300N 0125W	soil	1.5	10.8	19	63	0.6	8.1	1.8	136	0.8	0.8	8.6	1.1	0.2	73	0.7	0.2	0.2	18	0.17	0.052	35	15	0.2
Rosetta	11	454911	5546293	R300N 0100W	soil	0.6	12.9	20.9	47	0.8	8	2	143	0.69	<0.5	13.4	1.1	0.2	138	0.7	0.4	0.2	15	0.23	0.088	52	17	0.24
Rosetta	11	454938	5546295	R300N 0075W	soil	2	11.3	14.2	37	0.3	5.6	2.3	189	1.94	1.3	27.5	<0.5	1	330	0.3	0.3	0.3	30	0.43	0.041	23	12	0.18
Rosetta	11	454965	5546297	R300N 0050W	soil	1.9	12.6	20.1	56	0.7	6.3	3.5	1132	1	2.1	22.8	1	0.2	1037	1.8	0.9	0.2	15	1.18	0.135	33	11	0.18
Rosetta	11	454992	5546299	R300N 0025W	soil	3.7	21.9	13.6	104	0.8	10.4	5	1222	2.04	1.8	34.3	0.7	0.5	470	1.1	0.4	0.3	31	0.57	0.106	75	25	0.31
Rosetta	11	455021	5546300	R300N 0000W	soil	1	8.3	18.4	37	0.3	4	1.8	147	1.46	1.6	3.4	<0.5	1.3	41	0.6	0.5	0.5	23	0.1	0.022	17	9	0.06
Rosetta	11	453850	5546375	R400N 1200W	soil	1.4	20.5	10.4	64	0.2	8.7	5.5	547	2.87	2.2	0.7	<0.5	1.2	13	0.5	0.4	0.3	60	0.1	0.097	5	15	0.45
Rosetta	11	453873	5546372	R400N 1175W	soil	1.8	19.4	10.4	56	0.3	8.5	5.5	400	3.12	2.8	0.7	<0.5	1.3	17	0.8	0.4	0.3	67	0.13	0.17	5	14	0.38
Rosetta	11	453895	5546370	R400N 1150W	soil	1	22.5	10.9	100	0.4	14.4	7.7	1124	2.55	1.8	0.6	0.5	2.2	18	0.6	0.3	0.2	57	0.23	0.114	8	26	0.8
Rosetta	11	453918	5546367	R400N 1125W	soil	1.4	16.7	7.5	106	0.4	13.7	6.4	506	2.81	2	0.5	<0.5	2.3	12	0.5	0.3	0.2	61	0.09	0.108	6	24	0.77
Rosetta	11	453940	5546365	R400N 1100W	soil	1.4	21.2	8.7	123	0.6	16	7.8	527	3.07	2.7	0.7	<0.5	1.7	17	0.8	0.4	0.2	67	0.16	0.186	7	22	0.86
Rosetta	11	453963	5546362	R400N 1075W	soil	1	13	8.7	106	0.2	8.9	7	956	3.14	2.4	0.6	0.7	1.5	22	0.5	0.3	0.2	66	0.17	0.189	6	15	0.55
Rosetta	11	453985	5546360	R400N 1050W	soil	1.2	15.7	12.1	115	0.1	14.1	7.1	865	2.54	2.2	0.7	<0.5	0.9	17	0.6	0.4	0.2	53	0.14	0.144	7	23	0.76
Rosetta	11	454008	5546357	R400N 1025W	soil	1.2	18.9	10	117	0.2	16.7	6.7	560	2.6	1.7	0.6	<0.5	1.4	16	0.5	0.3	0.2	57	0.15	0.156	7	29	0.98
Rosetta	11	454030	5546355	R400N 1000W	soil	0.8	21.6	9.4	92	0.5	19.7	6.1	434	2.06	2	0.5	0.9	2.4	11	0.4	0.3	0.2	48	0.11	0.111	7	36	1.11
Rosetta	11	454054	5546356	R400N 0975W	soil	1.2	23.1	10.1	118	0.3	22.2	8.3	998	2.36	1.9	0.4	<0.5	2.4	15	0.7	0.4	0.2	48	0.15	0.071	7	31	1.12
Rosetta	11	454078	5546357	R400N 0950W	soil	1	26.9	13.1	121	0.2	28	6.9	644	2.12	3	0.5	<0.5	2.2	12	0.4	0.6	0.2	46	0.17	0.073	8	37	1.39
Rosetta	11	454103	5546358	R400N 0925W	soil	1	23.1	8.8	83	0.3	22	7.3	738	1.97	1.6	0.4	<0.5	2.6	13	0.4	0.4	0.2	39	0.2	0.056	8	30	1.29
Rosetta	11	454127	5546360	R400N 0900W	soil	0.8	36.6	13.1	90	0.3	33.2	8.2	615	1.94	4.2	0.6	<0.5	3.1	16	0.3	0.7	0.2	45	0.37	0.113	14	41	1.63
Rosetta	11	454151	5546361	R400N 0875W	soil	0.9	41.2	14.2	105	0.4	37.9	10	630	1.87	3.9	0.6	<0.5	2.7	10	0.4	0.7	0.2	48	0.22	0.081	14	41	1.53
Rosetta	11	454176	5546362	R400N 0850W	soil	2.5	31.9	12.5	63	0.3	24.1	5.5	376	1.56	3.3	0.6	<0.5	0.9	10	0.4	0.6	0.2	35	0.12	0.05	9	28	0.86
Rosetta	11	454200	5546363	R400N 0825W	soil	1.1	28.6	12.5	76	0.5	28.9	5.4	745	1.49	3.1	0.7	0.8	1.2	7	0.2	0.6	0.1	30	0.12	0.121	9	31	1.19
Rosetta	11	454225	5546365	R400N 0800W	soil	0.9	38.6	11.2	114	2.5	32.1	7.1	942	2	3.1	0.6	<0.5	0.9	35	0.4	0.6	0.2	38	0.74	0.13	9	30	1.09
Rosetta	11	454250	5546362	R400N 0775W	soil	1.6	31.6	13.3	65	0.4	19.7	4.1	254	2.5	2.4	0.7	<0.5	1.8	14	0.4	0.6	0.2	39	0.13	0.295	8	26	0.6
Rosetta	11	454275	5546359	R400N 0750W	soil	3.6	30.9	13.8	87	0.5	15.3	8.6	542	3.25	3.2	1.1	<0.5	0.8	16	0.7	0.7	0.3	84	0.14	0.087	9	21	0.57
Rosetta	11	454300	5546356	R400N 0725W	soil	3.4	25.4	12.6	56	0.4	11.7	5.7	270	2.81	3.8	0.8	<0.5	1.1	12	0.6	0.7	0.4	69	0.09	0.096	6	20	0.46
Rosetta	11	454325	5546353	R400N 0700W	soil	3	30.4	13.6	136	0.3	17.1	10.7	1158	3	3.1	1.2	<0.5	0.5	25	1.3	0.6	0.2	73	0.24	0.093	7	20	0.79
Rosetta	11	454350	5546350	R400N 0675W	soil	3	28.6	14	121	1	13.3	8.3	709	2.98	3.7	1	<0.5	0.8	18	1.1	0.6	0.2	69	0.22	0.184	6	21	0.65
Rosetta	11	454375	5546347	R400N 0650W	soil	1.8	20.9	18.1	58	0.6	10.6	5.9	274	2.24	4.1	0.5	<0.5	0.9	13	0.7	0.6	0.2	58	0.09	0.076	4	16	0.51
Rosetta	11	454400	5546344	R400N 0625W	soil	2.8	27.9	13.2	95	0.8	14	7.9	393	3	3.4	1.1	<0.5	1.9	16	0.6	0.8	0.2	75	0.12	0.088	7	21	0.61
Rosetta	11	454425	5546340	R400N 0600W	soil	3.3	22.7	11.5	77	0.6	11.4	6.7	359	3.07	3.5	0.8	<0.5	1.7	17	0.7	0.5	0.2	74	0.11	0.099	6	16	0.48
Rosetta	11	454450	5546343	R400N 0575W	soil	4	23.5	11.2	113	0.2	16.1	10	1100	2.62	2.3	1.5	0.5	0.6	22	1.1	0.5	0.2	62	0.28	0.09	11	21	0.75
Rosetta	11	454475	5546345	R400N 0550W	soil	2.6	13.4	10.4	81	0.2	11.3	5.1	261	1.98	3	1.6	<0.5	1.3	32	0.4	0.4	0.2	43	0.22	0.057	7	24	0.57
Rosetta	11	454500	5546348	R400N 0525W	soil	2.9	18.4	8.7	75	0.1	10.7	6.1	376	3.15	2.6	0.9	0.8	1.2	27	0.6	0.4	0.1	76	0.15	0.042	8	17	0.67
Rosetta	11	454525	5546350	R400N 0500W	soil	3.9	13.4	13	43	0.2	8	3.3	252	2.26	2.6	0.7	<0.5	0.4	14	0.4	0.4	0.3	46	0.11	0.048	5	16	0.39
Rosetta	11	454550	5546353	R400N 0475W	soil	5.5	20.1	11.5	73	0.5	11.4	5.5	678	1.94	2.1	4	<0.5	0.5	35	0.4	0.4	0.3	33	0.19	0.077	38	17	0.4

Property	UTMZone	Easting	Northing	Sample Num	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
Rosetta	11	454575	5546355	R400N 0450W	soil	3	12.1	15.9	78	0.3	12.1	6.8	491	2.1	1.4	5.3	0.9	0.9	37	0.5	0.6	0.3	37	0.19	0.051	33	24	0.5
Rosetta	11	454600	5546358	R400N 0425W	soil	2.8	9.6	13.1	69	0.1	10.6	5.7	353	2.19	2	3.5	<0.5	1.1	20	0.4	0.3	0.3	39	0.09	0.044	23	22	0.54
Rosetta	11	454625	5546360	R400N 0400W	soil	2.4	15.1	10.8	62	0.2	11.5	7.1	404	2.66	2.1	2.1	0.9	2.1	35	0.2	0.3	0.2	56	0.21	0.042	16	19	0.63
Rosetta	11	454650	5546360	R400N 0375W	soil	2.6	9.8	11.5	54	0.2	8.4	5.4	434	1.71	1.5	1.6	<0.5	0.5	50	0.4	0.2	0.2	33	0.2	0.047	16	17	0.44
Rosetta	11	454675	5546359	R400N 0350W	soil	2.5	9.4	22.8	40	0.2	7.4	7.3	793	1.43	2	0.9	<0.5	0.3	61	0.8	0.5	0.2	27	0.23	0.034	9	14	0.35
Rosetta	11	454700	5546358	R400N 0325W	soil	1.6	4.5	11.4	19	0.3	3.7	2.2	275	0.98	<0.5	0.5	<0.5	0.5	31	0.2	0.2	0.3	24	0.09	0.018	5	9	0.18
Rosetta	11	454725	5546358	R400N 0300W	soil	3	7.4	10.9	40	0.1	6.4	2.7	127	1.83	1.2	0.4	1	1.6	18	0.2	0.2	0.2	34	0.06	0.014	3	17	0.37
Rosetta	11	454750	5546357	R400N 0275W	soil	2.9	9.7	10.6	84	0.2	10.3	5.5	1230	1.65	1.7	2.1	<0.5	0.4	176	0.5	0.2	0.3	32	0.42	0.064	9	17	0.49
Rosetta	11	454775	5546356	R400N 0250W	soil	3.5	9.2	15.1	36	0.7	7.6	6.8	1403	1.18	1.3	3.9	<0.5	0.1	144	0.5	0.4	0.3	24	0.31	0.093	15	14	0.24
Rosetta	11	454800	5546356	R400N 0225W	soil	1.7	8	15.6	18	0.4	3.5	1.9	169	1.14	1.1	1.1	1.4	0.4	48	0.2	0.2	0.3	20	0.09	0.025	8	7	0.09
Rosetta	11	454825	5546355	R400N 0200W	soil	0.7	3.2	11.4	16	0.1	2.8	1.1	75	0.83	0.7	0.2	0.6	0.6	14	0.2	0.3	0.4	32	0.05	0.008	3	7	0.17
Rosetta	11	454849	5546358	R400N 0175W	soil	2.8	10.6	14.9	55	<0.1	7.8	2.8	131	3.17	1.6	0.6	<0.5	2.4	9	0.3	0.5	0.3	60	0.02	0.011	5	20	0.35
Rosetta	11	454873	5546360	R400N 0150W	soil	1.5	3.6	15.2	16	0.1	3.5	1.4	50	1.12	1.6	0.3	0.6	0.9	8	0.2	0.6	0.3	50	0.02	0.01	3	7	0.11
Rosetta	11	454898	5546363	R400N 0125W	soil	1.5	9.5	11.3	57	0.1	9	4.1	211	2.28	1.7	0.9	<0.5	2.8	25	0.2	0.3	0.2	46	0.08	0.018	5	18	0.46
Rosetta	11	454922	5546365	R400N 0100W	soil	1.3	10.3	18.9	36	0.3	5.4	2.7	178	2.65	2.8	0.5	1.4	1.8	18	0.2	0.9	0.3	73	0.06	0.02	4	10	0.29
Rosetta	11	454946	5546368	R400N 0075W	soil	1.5	9.6	16.9	38	0.2	6.3	2.9	192	2.24	1.9	0.5	0.9	1.6	32	0.5	0.6	0.3	56	0.08	0.017	4	12	0.35
Rosetta	11	454971	5546370	R400N 0050W	soil	1.4	5.3	12.7	15	0.2	2.4	1.4	48	1.35	1.1	0.9	<0.5	1.2	67	0.2	0.2	0.3	24	0.07	0.011	6	6	0.08
Rosetta	11	454995	5546372	R400N 0025W	soil	2.8	10.7	13.8	35	0.5	5.7	3.4	771	1.11	2	38.7	<0.5	0.2	1007	0.7	0.5	0.4	24	0.85	0.076	13	11	0.12
Rosetta	11	455020	5546375	R400N 0000W	soil	1.4	3.6	9	21	<0.1	4.4	1.5	76	1.14	0.9	2	7.9	1.1	233	0.2	0.2	0.3	33	0.2	0.011	5	13	0.17
Rosetta	11	453850	5546460	R500N 1200W	soil	0.6	23	10.3	74	0.4	19.5	5.3	386	2.05	3	0.7	0.9	1.9	15	0.3	0.5	0.2	49	0.21	0.108	15	30	1.27
Rosetta	11	453873	5546462	R500N 1175W	soil	0.9	14.2	8.9	77	0.6	7.9	6	527	3.46	2.3	0.7	<0.5	1.1	25	0.5	0.4	0.2	73	0.21	0.222	6	12	0.48
Rosetta	11	453896	5546464	R500N 1150W	soil	0.8	13.2	9.6	77	0.2	7.8	7.1	622	3.52	1.8	1	<0.5	1.4	25	0.7	0.3	0.2	75	0.18	0.104	7	13	0.52
Rosetta	11	453919	5546466	R500N 1125W	soil	0.4	13.2	8.2	81	0.4	7.9	8.9	741	3.31	1.7	0.7	1	2	39	0.4	0.3	0.1	84	0.53	0.216	10	12	0.74
Rosetta	11	453942	5546468	R500N 1100W	soil	0.7	19.3	10.8	117	0.4	14.2	7.8	1253	2.94	2.4	1.2	<0.5	0.8	29	0.9	0.3	0.3	62	0.3	0.171	8	21	0.87
Rosetta	11	453965	5546470	R500N 1075W	soil	0.7	20.1	12.3	128	0.6	16	6.3	575	2.64	1.8	0.7	<0.5	1.5	17	0.8	0.5	0.3	52	0.16	0.187	7	21	0.77
Rosetta	11	453988	5546472	R500N 1050W	soil	0.7	13.7	8.8	101	0.6	11.6	6.3	525	2.95	2.5	0.6	<0.5	1.8	22	0.6	0.3	0.2	66	0.19	0.167	7	16	0.61
Rosetta	11	454011	5546474	R500N 1025W	soil	1	25.7	10.4	126	0.1	23.4	6.4	609	2.46	2.1	0.6	0.5	1.9	14	0.4	0.5	0.2	55	0.15	0.181	8	29	1.26
Rosetta	11	454035	5546475	R500N 1000W	soil	0.8	24.8	10.9	99	0.2	23.4	5.6	449	1.55	1.5	0.5	0.6	2	9	0.4	0.5	0.2	35	0.11	0.099	7	29	1.33
Rosetta	11	454058	5546475	R500N 0975W	soil	0.8	33.2	14.5	98	0.2	28.2	7	962	1.57	3	0.5	1	2.2	14	0.4	0.5	0.2	36	0.28	0.081	9	31	1.54
Rosetta	11	454081	5546475	R500N 0950W	soil	0.2	11.4	10	53	0.1	15.9	3.5	1072	0.92	1.4	0.4	<0.5	1.3	23	0.5	0.3	<0.1	21	0.47	0.072	5	24	0.96
Rosetta	11	454104	5546475	R500N 0925W	soil	0.2	17.2	12.3	55	0.1	20.7	4.4	399	1.04	2.1	0.5	<0.5	2.2	16	0.4	0.4	0.2	27	0.37	0.093	8	29	1.43
Rosetta	11	454127	5546475	R500N 0900W	soil	0.6	13.9	28.1	64	0.1	21.4	4.4	368	1.14	3.3	0.5	1.3	1.3	14	0.4	0.7	0.2	24	0.29	0.052	6	30	1.12
Rosetta	11	454150	5546475	R500N 0875W	soil	0.5	14.8	9.6	69	0.3	19.6	6.3	821	1.43	1.2	0.4	0.8	1.8	12	0.3	0.4	0.1	31	0.26	0.053	7	28	1.29
Rosetta	11	454173	5546475	R500N 0850W	soil	0.8	45.2	9.1	106	0.5	33.7	8.3	486	2.36	2.5	0.5	0.5	2.6	9	0.2	0.5	0.2	47	0.1	0.053	7	37	1.39
Rosetta	11	454196	5546475	R500N 0825W	soil	0.9	20.9	10.9	113	0.5	22.2	7.1	779	2.05	2.7	0.3	<0.5	1.8	17	0.3	0.6	0.2	32	0.26	0.062	6	24	1.19
Rosetta	11	454220	5546475	R500N 0800W	soil	1.3	33.4	36.5	98	0.3	27.1	10	1798	2.22	6.8	0.6	1.9	1.6	9	0.4	2.2	0.3	39	0.11	0.069	13	35	1.09

Property	UTMZone	Easting	Northing	Sample Num	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
Rosetta	11	454244	5546475	R500N 0775W	soil	9.8	38	32.8	124	0.9	31.3	13.5	698	3.41	7.5	0.9	<0.5	3.7	8	0.3	1.6	0.9	64	0.07	0.076	12	37	0.83
Rosetta	11	454268	5546474	R500N 0750W	soil	7.3	41.6	24.4	177	0.4	37	13.5	730	3.7	8.2	1	8.8	5.2	13	0.5	1	1.3	71	0.12	0.082	13	29	1.04
Rosetta	11	454292	5546473	R500N 0725W	soil	4	26.2	25.7	124	0.4	19.5	10.2	1261	2.57	4.2	0.6	2.7	1.9	11	0.9	0.6	1.3	50	0.1	0.047	7	23	0.64
Rosetta	11	454315	5546473	R500N 0700W	soil	4.4	28.8	20.2	124	0.3	23.2	10.4	726	3.45	5.5	1.1	<0.5	2	12	0.7	1.1	0.4	60	0.07	0.133	8	27	0.67
Rosetta	11	454339	5546472	R500N 0675W	soil	5.6	39.1	19.6	148	0.9	33.8	12.5	660	2.99	6.3	1.8	1.2	1.5	23	1.1	0.8	0.4	61	0.24	0.052	18	32	0.92
Rosetta	11	454363	5546472	R500N 0650W	soil	1.8	23	13.8	78	0.2	18.9	6.5	260	2.75	2.5	0.7	<0.5	2.5	8	0.3	0.7	0.3	63	0.07	0.052	4	29	0.83
Rosetta	11	454387	5546471	R500N 0625W	soil	1.5	22.7	12.5	91	0.1	22.4	10	283	2.61	2.2	0.6	0.9	3	11	0.3	0.5	0.3	61	0.1	0.026	5	26	0.79
Rosetta	11	454410	5546470	R500N 0600W	soil	1.4	28.1	20.8	98	0.1	30.9	20.1	1974	2.35	0.9	0.7	<0.5	3.1	22	0.6	0.2	0.4	43	0.41	0.059	10	31	0.9
Rosetta	11	454436	5546470	R500N 0575W	soil	3	24	12.9	76	0.3	20.6	8.9	543	2.43	1.8	1.7	0.7	1.5	11	0.6	0.5	0.3	51	0.16	0.048	13	29	0.73
Rosetta	11	454461	5546471	R500N 0550W	soil	2.1	23.7	23.8	90	<0.1	28.9	14.5	1576	2.64	1.8	0.5	0.9	2	19	0.7	0.4	0.5	45	0.19	0.042	6	32	1.02
Rosetta	11	454487	5546472	R500N 0525W	soil	3	28.8	17.3	89	<0.1	25.7	13	1557	2.17	1.9	0.5	0.6	0.8	16	0.6	0.3	0.5	41	0.11	0.053	5	25	0.79
Rosetta	11	454512	5546472	R500N 0500W	soil	3	27	16.4	106	<0.1	24.2	13.4	968	2.88	2.2	1.4	0.6	1.9	18	0.8	0.3	0.4	57	0.24	0.07	10	43	1.28
Rosetta	11	454538	5546473	R500N 0475W	soil	2.1	21.9	21.6	79	0.2	13.8	6.8	803	2.16	3	0.6	<0.5	0.4	15	0.7	0.6	0.3	45	0.16	0.084	4	18	0.52
Rosetta	11	454563	5546474	R500N 0450W	soil	2.7	32.3	18	116	0.3	20.4	10.4	899	2.77	3.2	1.3	0.7	1	32	1.7	0.5	0.2	66	0.67	0.082	17	22	0.74
Rosetta	11	454589	5546475	R500N 0425W	soil	2.9	27.4	21.1	121	0.3	18.4	9.6	1022	2.47	3.5	1.5	1	0.6	27	2.3	0.5	0.2	63	0.57	0.088	11	19	0.65
Rosetta	11	454615	5546475	R500N 0400W	soil	3.5	35.6	19.9	127	0.4	21.8	11.4	906	2.76	4.7	1	1.3	0.6	26	2	0.7	0.3	63	0.33	0.087	8	23	0.8
Rosetta	11	454640	5546476	R500N 0375W	soil	3.1	37.1	20.8	150	0.3	20	11.6	936	2.78	4	1.1	0.8	1.1	32	1.7	0.6	0.2	71	0.63	0.085	8	22	0.84
Rosetta	11	454665	5546477	R500N 0350W	soil	3.4	32.5	9.7	146	0.3	18.6	11	800	2.78	4.4	2.2	1.2	0.7	33	1.9	0.7	0.1	81	0.47	0.081	6	21	0.75
Rosetta	11	454790	5546478	R500N 0325W	soil	4	23.5	13	76	0.4	12.3	6.5	629	2.63	2.8	1	<0.5	0.3	15	0.8	0.5	0.2	61	0.14	0.085	6	18	0.51
Rosetta	11	454715	5546480	R500N 0300W	soil	5.6	20.6	34.5	79	0.3	13.7	7.5	1278	1.98	2.3	1.1	0.9	0.4	39	2.3	0.7	0.3	47	0.62	0.076	7	19	0.54
Rosetta	11	454740	5546481	R500N 0275W	soil	5.1	29.7	10.8	135	0.5	17.4	9.6	680	2.58	2.5	2.4	0.8	0.5	32	0.8	0.4	0.4	64	0.44	0.065	10	24	0.77
Rosetta	11	454765	5546482	R500N 0250W	soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Rosetta	11	454790	5546483	R500N 0225W	soil	2.2	7	12.4	41	0.4	6.2	2.6	128	0.85	<0.5	1.1	<0.5	0.2	26	0.4	0.2	0.2	25	0.22	0.044	5	13	0.29
Rosetta	11	454815	5546485	R500N 0200W	soil	2.5	7	11.6	30	0.3	4.7	1.9	118	1.08	1	0.7	1.3	0.7	21	0.6	0.1	0.2	45	0.12	0.021	5	10	0.19
Rosetta	11	454841	5546484	R500N 0175W	soil	4.5	14.4	9.9	53	0.3	9.2	5.3	254	3.04	2.2	1.4	0.8	3.3	18	0.4	0.3	0.2	69	0.17	0.032	8	18	0.61
Rosetta	11	454867	5546483	R500N 0150W	soil	0.9	2.6	11.4	12	0.2	1.9	0.9	48	0.55	<0.5	0.6	<0.5	0.2	30	0.2	0.2	0.4	12	0.06	0.011	3	6	0.08
Rosetta	11	454893	5546482	R500N 0125W	soil	0.6	2.1	9.1	7	<0.1	1.4	0.4	39	0.18	<0.5	<0.1	0.7	<0.1	8	0.2	0.4	0.1	7	0.03	0.007	1	3	0.01
Rosetta	11	454920	5546480	R500N 0100W	soil	1.3	3.8	14.8	25	<0.1	4.2	1.3	91	1.21	1.3	0.3	<0.5	0.8	19	0.4	0.4	0.4	35	0.07	0.011	3	10	0.15
Rosetta	11	454946	5546479	R500N 0075W	soil	1.7	5.8	11.8	18	0.2	3.9	1.8	79	1.87	1.1	0.6	<0.5	1.5	13	0.2	0.3	0.4	47	0.03	0.011	4	12	0.12
Rosetta	11	454972	5546478	R500N 0050W	soil	0.8	3.8	12	10	0.2	1.9	1	31	1.03	1.1	0.4	1.2	0.5	7	0.2	0.3	0.3	16	0.02	0.014	2	5	0.04
Rosetta	11	454998	5546477	R500N 0025W	soil	1.1	3.1	9.9	11	0.2	2.6	1.3	105	0.54	0.6	1.6	<0.5	<0.1	78	0.2	0.1	0.2	12	0.14	0.046	5	6	0.05
Rosetta	11	455025	5546475	R500N 0000W	soil	2	5.3	11.1	37	1.2	5.3	2.1	338	1.04	1.3	7.5	<0.5	0.2	164	0.6	0.3	0.2	21	0.25	0.105	20	14	0.18
Rosetta	11	452200	5550805	AZI 1400W	soil	2.8	60.7	28	226	0.8	46	14	1308	3.86	106	0.7	19	3.4	32	1.5	7.6	0.4	57	0.32	0.116	16	23	0.81
Rosetta	11	452213	5550787	AZI 1375W	soil	4.3	81	27.7	220	0.9	48.3	20.3	1347	5.11	152.6	0.6	22	4.4	40	1.4	10.2	0.4	97	0.44	0.109	18	25	1.12
Rosetta	11	452226	5550769	AZI 1350W	soil	0.5	13.7	12.5	122	0.5	18.5	6.1	462	1.7	40.7	0.9	1.5	3.2	41	0.6	0.6	0.2	21	0.38	0.359	8	9	0.14
Rosetta	11	452239	5550751	AZI 1325W	soil	1.5	24.7	10.2	100	0.4	20.9	8.9	484	2.25	45	0.3	2.9	1.6	13	0.4	2	0.2	45	0.13	0.071	6	14	0.48

Property	UTMZone	Easting	Northing	Sample Num	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
Rosetta	11	452252	5550733	AZI 1300W	soil	1.3	17.9	18.5	194	0.6	30.2	11.3	424	1.94	35.1	0.4	6.6	2.3	16	0.7	2.4	0.3	33	0.15	0.093	9	12	0.36
Rosetta	11	452265	5550715	AZI 1275W	soil	2.6	32.3	10.7	138	0.4	28.7	9.3	210	2.41	36	0.3	5.8	2.5	12	0.6	2.7	0.3	34	0.09	0.051	9	13	0.33
Rosetta	11	452278	5550697	AZI 1250W	soil	1.3	15.3	13.8	113	0.9	21.5	8.2	393	1.97	32.1	0.7	2.6	3.1	14	0.9	1.4	0.3	34	0.11	0.19	5	10	0.25
Rosetta	11	452291	5550679	AZI 1225W	soil	4.2	47.7	22.8	143	0.3	33.9	15.8	419	3.86	100	0.5	15	3.7	17	0.8	8	0.4	70	0.17	0.079	13	18	0.82
Rosetta	11	452305	5550660	AZI 1200W	soil	3.4	34	13.1	135	0.2	30.4	11.8	295	2.83	57.2	0.4	30	2.5	15	0.5	3.7	0.3	47	0.14	0.098	9	16	0.51
Rosetta	11	452323	5550642	AZI 1175W	soil	1.9	25.7	13	143	0.7	21	7.7	867	1.98	22.4	0.3	0.9	1.8	16	1.1	2	0.4	30	0.11	0.076	11	15	0.25
Rosetta	11	452340	5550625	AZI 1150W	soil	1.8	19.7	12.9	185	0.7	31.7	8.3	438	1.83	28.9	0.3	12.1	2.3	17	0.7	1.7	0.3	28	0.13	0.075	10	14	0.33
Rosetta	11	452358	5550607	AZI 1125W	soil	1.8	24.6	11.4	165	0.5	30.6	8	406	1.97	30.9	0.3	1.6	2.5	16	0.6	1.8	0.3	25	0.09	0.071	12	15	0.32
Rosetta	11	452375	5550590	AZI 1100W	soil	0.5	5.8	8.8	82	0.3	7.1	3.1	376	0.83	7.9	0.2	<0.5	1.4	9	0.4	0.5	0.2	18	0.05	0.042	7	8	0.15
Rosetta	11	452392	5550572	AZI 1075W	soil	0.5	11.5	10.3	98	0.8	15.8	3.8	389	1.52	29.9	0.6	1.2	2.8	24	0.6	0.4	0.2	21	0.21	0.349	4	8	0.13
Rosetta	11	452410	5550555	AZI 1050W	soil	0.9	14.6	11.6	189	0.7	22.9	6.8	275	1.76	24.7	0.4	0.6	2.7	18	0.6	1.3	0.2	28	0.12	0.089	8	13	0.26
Rosetta	11	452427	5550537	AZI 1025W	soil	1.5	20.6	9.9	168	0.9	20.5	7.6	317	2.33	92	0.5	5.8	2.3	22	0.5	1.7	0.3	35	0.14	0.079	10	12	0.32
Rosetta	11	452445	5550520	AZI 1000W	soil	2.2	23.9	10.4	176	1.4	16.3	7.3	372	2.72	174	0.5	55.7	2.7	26	0.6	3.1	0.3	37	0.19	0.098	12	13	0.37
Rosetta	11	452463	5550502	AZI 0975W	soil	0.7	11.5	12.3	179	2.7	13.5	5.1	506	1.62	58.7	0.6	3.3	2.6	29	0.7	0.7	0.3	28	0.23	0.143	7	10	0.19
Rosetta	11	452480	5550485	AZI 0950W	soil	1.1	15.9	18.2	194	2	13.9	6.9	1336	2.14	59.2	0.4	11.4	2	31	0.7	1.9	0.3	38	0.23	0.15	9	12	0.34
Rosetta	11	452498	5550467	AZI 0925W	soil	4.7	40.1	38	175	1.4	18.6	10.9	1296	4.1	179	0.6	77.1	1.8	35	0.9	9.9	0.4	48	0.3	0.13	15	16	0.54
Rosetta	11	452515	5550450	AZI 0900W	soil	4.1	34.2	38.3	171	1.2	16.6	9.1	1038	4.11	166.2	0.6	80.5	2.7	38	1	9.8	0.6	50	0.33	0.125	16	14	0.55
Rosetta	11	452539	5550443	AZI 0875W	soil	4.5	33.7	32.2	189	0.5	26.2	10.5	810	4.59	171.1	0.6	27.9	2.4	41	0.5	9.3	0.5	67	0.33	0.109	12	35	0.7
Rosetta	11	452563	5550436	AZI 0850W	soil	9.9	28.1	66.8	267	1.4	16.7	9	916	3.79	196	0.6	79.9	2.4	32	1	9.1	0.6	40	0.23	0.119	13	15	0.37
Rosetta	11	452587	5550429	AZI 0825W	soil	1.9	10.2	29.4	235	0.5	13.9	6	1371	1.64	71.3	0.3	18.2	1.6	30	1.3	2.1	0.3	26	0.21	0.147	6	11	0.21
Rosetta	11	452611	5550422	AZI 0800W	soil	1.5	11.1	23.8	233	2.8	15.7	6.2	524	1.9	63.1	0.5	7.6	2	17	1.1	1.9	0.3	29	0.13	0.133	8	11	0.18
Rosetta	11	452635	5550415	AZI 0775W	soil	3	23.4	30	292	1.4	19.4	8.3	1142	2.55	119.1	0.5	19.7	2	25	3.4	3.8	0.4	37	0.2	0.171	9	13	0.3
Rosetta	11	452659	5550408	AZI 0750W	soil	1.1	13	14.5	323	2.4	16.2	7.1	1379	1.97	93	0.5	6.1	2.3	20	4.8	1.4	0.3	36	0.12	0.228	7	12	0.23
Rosetta	11	452684	5550400	AZI 0725W	soil	8.9	111.3	16	515	2.2	58.2	15.2	326	4.56	74.3	1.1	12	2	22	4.2	8.5	0.3	57	0.1	0.101	13	20	0.61
Rosetta	11	452708	5550393	AZI 0700W	soil	1.7	24.7	12.3	554	3.4	46.9	10.6	516	1.98	12.1	0.8	4.7	2.5	30	6.4	1.5	0.2	33	0.2	0.178	8	14	0.28
Rosetta	11	452732	5550386	AZI 0675W	soil	10.5	108.2	20.6	590	1.1	54	18.7	927	4.63	60.6	1.3	15.1	2.6	32	6.4	8.1	0.4	63	0.21	0.133	14	26	0.7
Rosetta	11	452756	5550379	AZI 0650W	soil	1.7	18.5	13.8	441	2.2	32.2	9.6	673	1.85	18.3	0.5	1.1	2.2	26	3.3	1.2	0.3	32	0.18	0.165	10	15	0.29
Rosetta	11	452780	5550372	AZI 0625W	soil	3.4	57.7	16.8	161	0.5	40.9	11.8	798	3.06	43.1	0.5	106.9	3.6	22	1	3	0.3	30	0.17	0.088	21	21	0.5
Rosetta	11	452805	5550365	AZI 0600W	soil	1.4	25.5	11.5	157	0.6	27.7	7.2	657	1.9	24.1	0.5	5.6	2.8	26	0.8	1.3	0.2	27	0.21	0.118	12	15	0.29
Rosetta	11	452830	5550363	AZI 0575W	soil	1.4	15	22.3	233	0.9	18.8	7.4	733	1.82	26.5	0.4	2.8	2	15	1.3	1.4	0.3	35	0.1	0.115	10	16	0.24
Rosetta	11	452855	5550361	AZI 0550W	soil	1.7	17.8	15.5	139	0.4	15.4	5.9	404	1.92	40.3	0.3	4	2	21	0.7	1.7	0.2	32	0.15	0.094	10	14	0.28
Rosetta	11	452880	5550360	AZI 0525W	soil	2.2	25.8	14.2	251	1.5	31.2	12.9	775	2.47	52.4	0.5	8	2.5	19	1.5	1.6	0.4	41	0.14	0.127	10	18	0.4
Rosetta	11	452905	5550358	AZI 0500W	soil	1.6	22.5	13.3	244	1.3	24.3	11.2	531	2.36	35.4	0.6	2.2	1.9	14	1.6	1.3	0.3	38	0.11	0.33	8	18	0.28
Rosetta	11	452930	5550356	AZI 0475W	soil	1.1	18	13.7	300	2.3	34	10.5	535	2	18	0.5	1.5	3.1	14	1.7	0.9	0.3	32	0.11	0.172	8	15	0.26
Rosetta	11	452955	5550355	AZI 0450W	soil	2	36.6	14	251	1.4	37.1	10.5	365	2.55	22.4	0.5	2.3	3.6	14	0.8	1.9	0.2	33	0.08	0.126	15	20	0.43
Rosetta	11	452980	5550353	AZI 0425W	soil	1	25	14.9	183	1.2	23.5	7.6	578	1.81	12.1	0.5	2.2	2.3	17	1	0.8	0.3	30	0.12	0.156	12	18	0.23

Property	UTMZone	Easting	Northing	Sample Num	Type	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg
Rosetta	11	453005	5550351	AZI 0400W	soil	2.8	40.6	13.9	165	0.6	29.6	9.1	375	2.88	37.4	0.5	12	3	19	0.8	2.3	0.2	37	0.14	0.102	16	23	0.54
Rosetta	11	453030	5550350	AZI 0375W	soil	1.6	12.9	21.3	127	0.8	13	5.8	584	1.64	18.4	0.4	19.2	1.5	15	1.1	1.1	0.2	28	0.1	0.135	8	14	0.22
Rosetta	11	453055	5550348	AZI 0350W	soil	0.6	14.6	12.1	164	0.8	16.2	6.5	498	1.73	14.1	0.8	<0.5	3.1	17	1.2	0.5	0.2	24	0.14	0.306	5	13	0.17
Rosetta	11	453080	5550346	AZI 0325W	soil	1.5	22.9	11.1	177	0.3	23.9	7.7	3321	1.86	12.3	0.3	5.9	1.2	33	1.1	1.2	0.2	27	0.27	0.067	12	16	0.31
Rosetta	11	453105	5550345	AZI 0300W	soil	1	28.8	14.1	216	0.3	38.8	11.3	817	2.31	12.5	0.6	4.9	3.1	25	0.7	1	0.2	32	0.19	0.146	13	21	0.41
Rosetta	11	453130	5550339	AZI 0275W	soil	1.3	35.3	15.3	242	0.9	46.1	10.2	477	2.45	23.1	0.8	5.8	3.2	31	1.4	1.3	0.3	28	0.35	0.171	12	18	0.42
Rosetta	11	453156	5550333	AZI 0250W	soil	2.8	49.6	16.7	198	1	37.6	12.6	1010	2.94	61.2	0.5	54.4	2.5	32	1.6	2.3	0.3	37	0.25	0.155	14	22	0.47
Rosetta	11	453181	5550327	AZI 0225W	soil	3	49.8	16	192	0.8	31	11.6	798	2.92	63.5	0.6	23.2	1.7	20	1.7	2.4	0.3	37	0.14	0.132	13	21	0.44
Rosetta	11	453207	5550322	AZI 0200W	soil	2.7	37.7	21.8	170	1.3	21.6	8.3	1650	2.36	52.4	0.5	12.8	1.3	22	2.1	2.2	0.3	30	0.2	0.167	9	15	0.35
Rosetta	11	453232	5550316	AZI 0175W	soil	2.5	21.1	9.8	130	0.9	14.2	5.7	203	2.33	40.4	0.3	5.1	1.1	13	0.8	1.8	0.3	39	0.1	0.094	9	15	0.25
Rosetta	11	453258	5550310	AZI 0150W	soil	1.8	12.3	8	49	0.4	7.5	3	116	1.5	22.6	0.2	39.8	1.1	8	0.3	1.3	0.2	32	0.06	0.055	8	11	0.13
Rosetta	11	453283	5550304	AZI 0125W	soil	2.6	41.3	13	215	1.1	31.5	10.3	431	2.84	53.3	0.6	5.3	2.2	16	1.5	1.9	0.2	40	0.11	0.125	10	23	0.48
Rosetta	11	453309	5550299	AZI 0100W	soil	1.8	13.5	12.6	123	0.6	13.5	6.2	412	2.14	37.7	0.3	3.2	1.4	10	0.7	1	0.3	40	0.06	0.25	8	16	0.18
Rosetta	11	453334	5550293	AZI 0075W	soil	3	45.8	14.3	150	0.4	24.8	10.9	988	2.72	47.9	0.3	8.1	0.8	17	1	2.3	0.3	31	0.14	0.08	13	17	0.43
Rosetta	11	453360	5550287	AZI 0050W	soil	2.6	61.4	23.6	184	2.3	37	11.8	931	2.92	42.7	0.4	12.7	1.5	44	2	2.6	0.3	30	0.49	0.114	15	21	0.5
Rosetta	11	453385	5550281	AZI 0025W	soil	2.2	40.5	12.3	147	0.3	26.7	8.2	235	2.36	40	0.3	8.9	1.4	12	0.6	1.8	0.3	30	0.1	0.084	12	17	0.4
Rosetta	11	453410	5550275	AZI 0000W	soil	2.9	66.8	17.7	198	0.8	35.5	9.5	502	3.17	34.7	0.4	7.2	1.6	12	0.9	1.6	0.4	27	0.07	0.162	12	15	0.33

Sample Num	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
R200S 1200W	128	0.039	2	1.4	0.023	0.07	0.2	0.07	1.1	0.2	0.07	4	3.2
R200S 1175W	69	0.193	<1	2.27	0.02	0.04	0.7	0.11	1.7	<0.1	<0.05	13	2.8
R200S 1150W	35	0.145	<1	0.91	0.014	0.05	0.4	0.03	0.8	<0.1	<0.05	10	<0.5
R200S 1125W	36	0.122	<1	0.54	0.021	0.04	0.4	0.03	0.7	<0.1	<0.05	8	0.9
R200S 1100W	44	0.031	1	0.82	0.031	0.04	0.3	0.09	0.6	<0.1	<0.05	3	3.3
R200S 1075W	26	0.106	1	0.37	0.012	0.02	0.7	0.02	0.5	<0.1	<0.05	9	<0.5
R200S 1050W	46	0.033	<1	2.74	0.017	0.04	1.5	0.11	1.8	<0.1	0.08	5	3.3
R200S 1025W	38	0.076	<1	0.72	0.008	0.04	0.5	0.03	0.7	<0.1	<0.05	8	<0.5
R200S 1000W	84	0.085	1	1.53	0.014	0.08	0.9	0.04	1.9	0.1	<0.05	9	<0.5
R200S 0975W	30	0.054	1	0.52	0.011	0.02	0.6	0.05	0.6	<0.1	<0.05	6	<0.5
R200S 0950W	67	0.062	1	2.24	0.013	0.09	1	0.04	2.7	0.1	<0.05	7	<0.5
R200S 0925W	33	0.107	1	3.39	0.014	0.04	0.7	0.15	2	<0.1	<0.05	9	0.5
R200S 0900W	38	0.084	<1	1.95	0.011	0.04	0.6	0.09	1.7	<0.1	<0.05	9	<0.5
R200S 0875W	43	0.068	<1	1.71	0.014	0.06	0.9	0.04	1.9	<0.1	<0.05	7	<0.5
R200S 0850W	51	0.107	<1	2.3	0.012	0.05	0.8	0.05	2	<0.1	<0.05	9	<0.5
R200S 0825W	62	0.082	1	1.51	0.011	0.06	0.8	0.05	1.6	<0.1	<0.05	8	<0.5
R200S 0800W	47	0.097	<1	1.79	0.014	0.04	0.6	0.05	1.5	<0.1	<0.05	10	<0.5
R200S 0775W	62	0.024	<1	0.17	0.017	0.03	0.2	0.02	0.3	<0.1	<0.05	2	<0.5
R200S 0750W	86	0.084	<1	0.55	0.01	0.05	0.5	0.06	0.7	0.1	<0.05	8	<0.5
R200S 0725W	129	0.096	<1	0.89	0.021	0.07	1	0.07	1.2	0.1	<0.05	7	<0.5
R200S 0700W	68	0.05	<1	1.24	0.016	0.08	1.3	0.1	0.8	0.1	<0.05	6	<0.5
R200S 0675W	58	0.046	1	0.53	0.012	0.08	0.4	0.05	0.7	0.2	<0.05	6	<0.5
R200S 0650W	78	0.042	1	0.6	0.014	0.06	0.5	0.04	0.6	0.1	<0.05	4	<0.5
R200S 0625W	49	0.147	1	1.33	0.013	0.1	3.1	0.03	1.7	0.1	<0.05	11	<0.5
R200S 0600W	49	0.175	<1	1.21	0.02	0.09	3.3	0.03	1.7	0.1	<0.05	11	<0.5
R200S 0575W	78	0.129	1	1.44	0.016	0.14	2.5	0.04	2.1	0.1	<0.05	10	<0.5
R200S 0550W	36	0.129	<1	0.9	0.012	0.07	1.4	0.04	1.5	0.1	<0.05	9	<0.5
R200S 0525W	17	0.037	<1	0.22	0.013	0.03	0.4	0.02	0.5	<0.1	<0.05	3	<0.5
R200S 0500W	39	0.114	<1	0.73	0.017	0.03	0.6	0.03	0.7	<0.1	<0.05	10	<0.5
R200S 0475W	123	0.052	1	1.05	0.022	0.08	0.3	0.03	0.9	0.1	<0.05	7	<0.5
R200S 0450W	134	0.153	1	1.76	0.042	0.15	1.1	0.08	3.4	0.1	<0.05	8	<0.5
R200S 0425W	19	0.099	<1	0.18	0.014	0.02	0.2	0.02	0.4	<0.1	<0.05	5	<0.5
R200S 0400W	24	0.026	<1	0.19	0.015	0.02	0.1	<0.01	0.2	<0.1	<0.05	4	<0.5
R200S 0375W	15	0.008	<1	0.14	0.014	0.02	<0.1	0.02	0.1	<0.1	<0.05	2	<0.5
R200S 0350W	14	0.029	<1	0.24	0.011	0.03	<0.1	0.01	0.3	<0.1	<0.05	3	<0.5
R200S 0325W	31	0.158	<1	0.65	0.047	0.04	<0.1	0.01	1.5	<0.1	<0.05	7	<0.5

Sample Num	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
R200S 0300W	15	0.046	<1	0.37	0.013	0.04	0.1	0.02	0.4	<0.1	<0.05	5	<0.5
R200S 0275W	29	0.018	1	0.65	0.01	0.05	0.2	0.05	0.4	0.1	0.07	4	<0.5
R200S 0250W	29	0.039	1	0.59	0.011	0.04	0.5	0.02	0.6	0.1	<0.05	5	<0.5
R200S 0225W	28	0.029	1	0.58	0.02	0.04	0.2	0.03	0.5	<0.1	<0.05	4	<0.5
R200S 0200W	25	0.041	<1	0.38	0.014	0.04	<0.1	0.02	0.5	<0.1	<0.05	5	<0.5
R200S 0175W	48	0.169	2	0.89	0.012	0.11	0.5	0.03	1.7	0.1	0.11	12	<0.5
R200S 0150W	39	0.04	4	1.39	0.018	0.06	0.4	0.06	1.3	0.1	0.21	4	0.9
R200S 0125W	20	0.064	1	0.75	0.013	0.04	0.6	0.04	0.8	0.1	0.07	6	<0.5
R200S 0100W	16	0.021	<1	0.31	0.013	0.02	0.2	0.02	0.2	<0.1	0.1	3	<0.5
R200S 0075W	22	0.018	<1	0.25	0.012	0.02	0.2	0.01	0.2	0.1	<0.05	4	<0.5
R200S 0050W	13	0.017	<1	0.39	0.012	0.02	0.2	0.01	0.5	<0.1	0.06	5	<0.5
R200S 0025W	27	0.025	<1	0.94	0.015	0.09	2	0.04	1.3	0.2	0.07	5	1
R200S 0000W	30	0.017	1	0.33	0.022	0.04	15.3	0.04	0.5	<0.1	0.09	2	<0.5
R100S 1200W	71	0.129	<1	2.05	0.01	0.04	0.1	0.04	2.2	<0.1	<0.05	10	<0.5
R100S 1175W	54	0.117	<1	2.83	0.011	0.03	0.2	0.11	2.4	0.1	<0.05	8	0.7
R100S 1150W	266	0.034	<1	2.1	0.023	0.06	<0.1	0.13	1.1	0.4	0.17	6	3.9
R100S 1125W	86	0.058	<1	0.69	0.013	0.07	0.2	0.04	1.1	<0.1	<0.05	5	<0.5
R100S 1100W	62	0.075	<1	2.08	0.011	0.07	4.2	0.07	2.9	0.1	<0.05	5	1
R100S 1075W	87	0.09	<1	1.65	0.016	0.09	0.5	0.04	1.8	0.1	<0.05	10	0.9
R100S 1050W	49	0.075	<1	0.55	0.015	0.05	0.5	0.02	0.7	<0.1	<0.05	8	<0.5
R100S 1025W	58	0.051	<1	1.56	0.014	0.04	0.6	0.07	0.8	<0.1	<0.05	9	0.6
R100S 1000W	60	0.059	<1	0.98	0.011	0.05	0.9	0.02	1.1	<0.1	<0.05	6	<0.5
R100S 0975W	58	0.033	<1	0.67	0.011	0.05	0.7	0.03	0.7	<0.1	<0.05	5	<0.5
R100S 0950W	54	0.056	<1	1.32	0.016	0.05	0.5	0.04	1	0.1	<0.05	6	<0.5
R100S 0925W	49	0.11	<1	1.21	0.01	0.05	0.7	0.04	1.2	0.1	<0.05	11	<0.5
R100S 0900W	38	0.069	<1	1.33	0.009	0.06	1	0.04	1.2	0.1	<0.05	9	<0.5
R100S 0875W	18	0.038	<1	0.36	0.01	0.03	0.5	0.02	0.4	<0.1	<0.05	6	<0.5
R100S 0850W	72	0.042	<1	1.77	0.015	0.07	1.3	0.05	2.1	0.1	0.06	8	1.3
R100S 0825W	33	0.038	<1	1.1	0.012	0.05	0.7	0.03	0.9	<0.1	<0.05	10	0.5
R100S 0800W	53	0.069	<1	1.26	0.012	0.06	2.2	0.04	1.4	<0.1	<0.05	14	0.7
R100S 0775W	41	0.071	<1	1.51	0.013	0.08	2.3	0.05	1.6	<0.1	<0.05	11	0.6
R100S 0750W	27	0.083	<1	0.56	0.01	0.04	1.4	0.02	0.9	<0.1	<0.05	10	<0.5
R100S 0725W	91	0.071	<1	1.01	0.022	0.05	1.4	0.09	1.1	0.1	0.07	6	<0.5
R100S 0700W	52	0.095	<1	0.75	0.022	0.07	0.7	0.03	1.4	<0.1	0.06	7	<0.5
R100S 0675W	46	0.124	<1	0.96	0.014	0.06	0.8	0.05	1.2	<0.1	<0.05	11	<0.5
R100S 0650W	86	0.108	<1	2.08	0.024	0.08	2.3	0.06	2.5	0.1	0.06	12	<0.5

Sample Num	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
R100S 0625W	51	0.073	<1	0.67	0.019	0.05	1.5	0.04	1	<0.1	<0.05	8	<0.5
R100S 0600W	54	0.058	<1	1.03	0.015	0.06	1	0.06	1.9	<0.1	0.07	7	<0.5
R100S 0575W	43	0.042	<1	2.52	0.021	0.07	2.7	0.08	1.6	<0.1	0.05	9	0.8
R100S 0550W	56	0.186	<1	1.93	0.044	0.07	3.3	0.05	2.5	<0.1	<0.05	13	<0.5
R100S 0525W	48	0.085	<1	0.8	0.015	0.08	2	0.07	2.3	0.1	0.1	10	<0.5
R100S 0500W	16	0.024	1	0.18	0.007	0.02	0.8	0.02	0.2	<0.1	<0.05	3	<0.5
R100S 0475W	29	0.032	<1	0.31	0.01	0.02	0.2	0.02	0.4	<0.1	<0.05	3	0.8
R100S 0450W	23	0.105	<1	0.87	0.008	0.04	1.7	0.06	0.6	<0.1	<0.05	11	0.6
R100S 0425W	14	0.063	<1	0.26	0.007	0.02	1.3	0.02	0.4	<0.1	<0.05	6	<0.5
R100S 0400W	32	0.015	<1	0.21	0.011	0.02	0.2	0.02	0.3	<0.1	<0.05	3	<0.5
R100S 0375W	31	0.061	1	0.29	0.012	0.02	0.4	0.03	0.3	<0.1	<0.05	5	<0.5
R100S 0350W	20	0.079	<1	1.61	0.01	0.02	0.3	0.08	0.7	<0.1	<0.05	9	0.6
R100S 0325W	24	0.124	<1	0.48	0.011	0.02	0.3	0.03	0.3	<0.1	<0.05	9	<0.5
R100S 0300W	41	0.105	<1	1.65	0.012	0.03	0.6	0.06	1	<0.1	<0.05	9	0.9
R100S 0275W	29	0.046	<1	1.7	0.011	0.04	0.4	0.06	0.9	<0.1	<0.05	6	1.1
R100S 0250W	32	0.108	<1	0.98	0.009	0.03	0.3	0.03	0.7	<0.1	<0.05	9	<0.5
R100S 0225W	40	0.158	<1	0.92	0.009	0.06	0.2	0.04	1	0.1	<0.05	10	<0.5
R100S 0200W	31	0.137	<1	1.94	0.01	0.05	0.3	0.06	1.9	0.1	<0.05	9	1.1
R100S 0175W	11	0.029	<1	0.48	0.014	0.03	0.1	0.04	0.4	<0.1	<0.05	4	0.7
R100S 0150W	12	0.012	<1	0.2	0.01	0.02	<0.1	0.04	0.2	<0.1	<0.05	2	0.9
R100S 0125W	18	0.014	<1	0.15	0.01	0.02	<0.1	0.01	0.2	<0.1	<0.05	3	<0.5
R100S 0100W	47	0.096	<1	2.07	0.013	0.06	0.8	0.05	2.5	0.1	<0.05	8	1.7
R100S 0075W	7	0.016	<1	0.1	0.014	0.02	0.1	0.01	0.1	<0.1	<0.05	<1	<0.5
R100S 0050W	9	0.005	<1	0.27	0.009	0.02	0.1	<0.01	0.2	<0.1	<0.05	3	<0.5
R100S 0025W	23	0.012	<1	0.93	0.008	0.02	0.1	0.06	0.2	<0.1	<0.05	3	0.6
R100S 0000W	18	0.116	<1	1.49	0.012	0.02	0.1	0.03	0.9	<0.1	<0.05	11	<0.5
R0N 1200W	58	0.108	<1	2.8	0.007	0.04	0.2	0.09	2.4	0.1	<0.05	8	0.8
R0N 1175W	79	0.131	<1	2.1	0.009	0.07	0.2	0.06	1.9	0.1	<0.05	11	0.7
R0N 1150W	75	0.107	<1	1.91	0.017	0.1	0.1	0.04	2.6	0.2	<0.05	7	0.6
R0N 1125W	76	0.133	<1	3.27	0.01	0.05	0.2	0.1	2.6	0.2	<0.05	9	1.1
R0N 1100W	60	0.112	<1	2.79	0.01	0.06	0.2	0.06	2.7	0.1	<0.05	7	0.5
R0N 1075W	119	0.049	2	0.9	0.02	0.08	<0.1	0.13	1.6	0.2	<0.05	3	1.3
R0N 1050W	138	0.163	<1	2	0.028	0.27	0.2	0.03	3.6	0.2	<0.05	8	<0.5
R0N 1025W	27	0.042	<1	0.59	0.009	0.03	0.9	0.02	0.6	<0.1	<0.05	5	0.6
R0N 1000W	42	0.084	<1	1	0.011	0.04	0.9	0.03	0.7	<0.1	<0.05	9	0.6
R0N 0975W	55	0.09	<1	0.71	0.01	0.06	0.6	0.02	0.9	<0.1	<0.05	9	<0.5

Sample Num	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
R0N 0950W	56	0.077	<1	1.88	0.012	0.03	0.5	0.07	1	<0.1	<0.05	10	0.6
R0N 0925W	58	0.079	<1	2.28	0.014	0.07	0.2	0.03	2.6	<0.1	<0.05	6	1.7
R0N 0900W	100	0.04	1	0.76	0.015	0.08	0.7	0.08	0.6	0.1	<0.05	5	0.5
R0N 0875W	46	0.041	<1	1.54	0.014	0.05	1.1	0.05	0.6	0.1	<0.05	9	<0.5
R0N 0850W	40	0.042	<1	1.01	0.013	0.06	0.9	0.03	0.7	<0.1	<0.05	9	<0.5
R0N 0825W	85	0.025	<1	1.61	0.021	0.05	0.6	0.08	0.9	0.2	0.06	6	<0.5
R0N 0800W	50	0.049	<1	0.62	0.012	0.06	1	0.02	0.9	0.1	<0.05	7	<0.5
R0N 0775W	55	0.055	<1	1.3	0.015	0.06	1.6	0.06	1.3	<0.1	<0.05	7	<0.5
R0N 0750W	78	0.025	<1	0.36	0.011	0.04	0.9	0.05	0.5	<0.1	<0.05	5	<0.5
R0N 0725W	61	0.054	<1	1.11	0.019	0.06	0.9	0.06	1	0.1	<0.05	9	<0.5
R0N 0700W	157	0.034	<1	0.49	0.014	0.06	1	0.05	0.6	0.2	0.06	5	<0.5
R0N 0675W	45	0.052	<1	0.95	0.013	0.06	1.6	0.04	0.9	<0.1	<0.05	8	0.7
R0N 0650W	37	0.043	<1	0.4	0.022	0.04	0.9	0.02	0.7	<0.1	<0.05	5	<0.5
R0N 0625W	73	0.052	<1	1.42	0.018	0.08	0.4	0.03	2	0.1	<0.05	7	<0.5
R0N 0600W	103	0.073	<1	1.38	0.011	0.05	0.3	0.06	1.7	0.1	<0.05	8	<0.5
R0N 0575W	25	0.085	<1	0.55	0.009	0.04	0.1	0.03	1	<0.1	<0.05	8	<0.5
R0N 0550W	34	0.037	<1	0.42	0.008	0.06	0.3	0.02	1.8	0.1	<0.05	6	0.6
R0N 0525W	20	0.032	<1	0.17	0.016	0.03	<0.1	0.02	0.6	<0.1	<0.05	2	<0.5
R0N 0500W	20	0.057	<1	0.23	0.009	0.02	0.2	0.02	0.4	<0.1	<0.05	6	<0.5
R0N 0475W	77	0.069	<1	1.03	0.01	0.04	0.5	0.06	1	0.1	<0.05	8	<0.5
R0N 0450W	80	0.048	<1	2.78	0.017	0.05	0.7	0.09	2.2	0.1	<0.05	6	1.9
R0N 0425W	60	0.039	<1	2.12	0.015	0.07	1.6	0.08	1.8	0.1	<0.05	8	1.1
R0N 0400W	59	0.042	<1	1.49	0.014	0.06	2	0.06	1.6	<0.1	<0.05	7	0.7
R0N 0375W	80	0.071	<1	1.37	0.014	0.05	1.2	0.06	1.4	0.2	<0.05	11	<0.5
R0N 0350W	33	0.162	<1	1.37	0.014	0.04	0.2	0.05	1	<0.1	<0.05	12	<0.5
R0N 0325W	42	0.073	<1	0.66	0.016	0.04	0.4	0.03	0.8	<0.1	<0.05	9	<0.5
R0N 0300W	47	0.052	<1	0.93	0.007	0.04	1.4	0.06	1	<0.1	<0.05	8	<0.5
R0N 0275W	71	0.02	<1	1.62	0.016	0.05	0.7	0.05	0.7	0.2	0.06	7	0.9
R0N 0250W	43	0.098	<1	1.26	0.016	0.04	0.6	0.04	1.5	<0.1	<0.05	10	<0.5
R0N 0225W	20	0.097	<1	0.29	0.014	0.03	<0.1	0.01	0.5	<0.1	<0.05	6	<0.5
R0N 0200W	26	0.107	<1	0.73	0.011	0.04	0.2	0.03	1.3	0.2	<0.05	10	0.5
R0N 0175W	34	0.105	<1	2.66	0.011	0.08	0.9	0.1	2.6	0.2	<0.05	8	<0.5
R0N 0150W	51	0.091	<1	1.34	0.011	0.15	0.2	0.03	2	0.4	<0.05	9	0.5
R0N 0125W	31	0.146	<1	1.49	0.011	0.06	0.2	0.06	1.8	0.2	<0.05	14	<0.5
R0N 0100W	19	0.079	<1	1.14	0.017	0.03	<0.1	0.04	1.1	<0.1	<0.05	9	<0.5
R0N 0075W	40	0.049	<1	1.37	0.01	0.04	0.2	0.09	1.6	0.1	<0.05	8	1.4

Sample Num	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
R0N 0050W	52	0.037	<1	0.56	0.011	0.04	0.2	0.05	0.8	0.2	<0.05	5	<0.5
R0N 0025W	17	0.062	<1	0.96	0.012	0.02	<0.1	0.04	0.9	<0.1	<0.05	7	<0.5
R0N 0000W	13	0.023	<1	0.29	0.014	0.02	<0.1	0.01	0.3	<0.1	<0.05	4	<0.5
R100N 1200W	132	0.098	<1	2.08	0.03	0.28	0.1	0.03	3.7	0.3	<0.05	6	0.6
R100N 1175W	119	0.112	<1	2.38	0.019	0.12	0.1	0.05	4.4	0.2	<0.05	8	<0.5
R100N 1150W	102	0.107	<1	2.23	0.021	0.15	<0.1	0.03	3.9	0.3	<0.05	6	1
R100N 1125W	97	0.105	<1	2.77	0.01	0.09	0.1	0.04	3.4	0.2	<0.05	6	<0.5
R100N 1100W	58	0.104	<1	2.41	0.007	0.04	0.1	0.03	2.9	<0.1	<0.05	6	0.6
R100N 1075W	94	0.099	<1	2.62	0.011	0.07	0.1	0.04	3	0.2	<0.05	7	0.8
R100N 1050W	97	0.11	<1	2.73	0.013	0.14	0.1	0.05	3.7	0.2	<0.05	6	0.6
R100N 1025W	68	0.088	<1	1.76	0.016	0.05	0.1	0.02	2.1	0.1	<0.05	6	0.7
R100N 1000W	101	0.114	<1	2.68	0.013	0.07	0.1	0.08	3.5	0.1	<0.05	8	<0.5
R100N 0975W	111	0.072	<1	1.92	0.015	0.05	<0.1	0.06	1.9	0.2	<0.05	7	0.7
R100N 0950W	159	0.082	<1	1.88	0.025	0.22	0.1	0.08	2.5	0.3	<0.05	5	0.8
R100N 0925W	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
R100N 0900W	54	0.036	2	2.08	0.029	0.06	1.1	0.09	1	0.2	<0.05	6	1.8
R100N 0875W	64	0.028	1	1.18	0.024	0.04	0.6	0.06	0.6	0.2	0.07	6	1.1
R100N 0850W	96	0.034	2	1.71	0.028	0.05	1.4	0.09	0.8	0.3	0.06	7	2.4
R100N 0825W	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
R100N 0800W	26	0.014	<1	0.12	0.02	0.02	0.1	0.02	0.1	<0.1	<0.05	<1	<0.5
R100N 0775W	81	0.026	2	1.3	0.017	0.05	1	0.09	0.8	0.2	0.08	5	2.5
R100N 0750W	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
R100N 0725W	36	0.094	<1	0.84	0.012	0.06	0.3	0.05	1.2	<0.1	<0.05	8	<0.5
R100N 0700W	69	0.067	<1	0.78	0.016	0.05	0.1	0.07	0.8	0.1	<0.05	5	<0.5
R100N 0675W	62	0.117	<1	1.47	0.014	0.06	0.3	0.05	1.3	<0.1	<0.05	9	<0.5
R100N 0650W	104	0.061	1	1.81	0.016	0.08	0.4	0.08	2	0.2	<0.05	7	1
R100N 0625W	74	0.055	<1	0.51	0.021	0.04	0.2	0.04	0.6	<0.1	<0.05	5	<0.5
R100N 0600W	80	0.071	<1	1.57	0.013	0.07	0.4	0.04	1.9	0.1	<0.05	8	<0.5
R100N 0575W	82	0.051	<1	1.25	0.027	0.04	0.4	0.04	1.1	0.1	<0.05	5	2
R100N 0550W	46	0.054	<1	0.49	0.011	0.04	0.5	0.04	0.8	<0.1	<0.05	6	<0.5
R100N 0525W	74	0.033	<1	2.43	0.015	0.05	0.6	0.16	1.8	0.1	0.06	4	3.3
R100N 0500W	34	0.025	<1	0.2	0.012	0.03	0.2	0.03	0.3	<0.1	<0.05	2	<0.5
R100N 0475W	32	0.12	<1	2.68	0.013	0.02	0.2	0.11	1.3	<0.1	<0.05	10	1.1
R100N 0450W	57	0.091	<1	0.79	0.01	0.04	0.4	0.05	0.9	<0.1	<0.05	9	<0.5
R100N 0425W	42	0.063	<1	0.92	0.009	0.04	0.3	0.04	0.8	<0.1	<0.05	7	<0.5
R100N 0400W	46	0.061	<1	1.64	0.008	0.05	0.4	0.05	1.6	<0.1	<0.05	7	1.3

Sample Num	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
R100N 0375W	50	0.077	<1	0.94	0.009	0.04	0.7	0.08	0.9	<0.1	<0.05	11	1.3
R100N 0350W	31	0.071	<1	0.51	0.009	0.02	0.5	0.02	0.4	<0.1	<0.05	6	<0.5
R100N 0325W	39	0.138	<1	1.1	0.012	0.04	0.8	0.05	1.1	<0.1	<0.05	12	<0.5
R100N 0300W	49	0.05	<1	1.39	0.015	0.05	0.4	0.05	1	0.1	<0.05	7	2.2
R100N 0275W	28	0.096	<1	0.71	0.019	0.02	0.2	0.02	0.5	<0.1	<0.05	8	<0.5
R100N 0250W	82	0.047	1	0.33	0.012	0.03	0.2	0.06	0.6	<0.1	<0.05	3	<0.5
R100N 0225W	27	0.036	1	0.18	0.009	0.02	0.1	0.03	0.2	<0.1	<0.05	3	<0.5
R100N 0200W	41	0.054	<1	1.83	0.007	0.07	0.8	0.06	2.3	0.2	<0.05	8	2
R100N 0175W	14	0.033	<1	0.2	0.011	0.01	0.1	0.02	0.3	<0.1	<0.05	3	<0.5
R100N 0150W	24	0.031	<1	0.99	0.007	0.03	1.5	0.03	1	0.2	<0.05	7	1
R100N 0125W	18	0.031	<1	0.57	0.012	0.03	0.2	0.02	0.6	0.2	<0.05	5	0.7
R100N 0100W	16	0.009	<1	0.23	0.012	0.02	<0.1	0.02	0.4	<0.1	<0.05	3	<0.5
R100N 0075W	19	0.012	<1	0.22	0.01	0.02	0.2	0.02	0.5	<0.1	<0.05	3	<0.5
R100N 0050W	16	0.023	<1	0.52	0.007	0.02	<0.1	0.03	0.5	0.1	<0.05	6	<0.5
R100N 0025W	25	0.053	1	1.02	0.011	0.03	0.2	0.06	1.2	0.1	<0.05	8	1.3
R100N 0000W	18	0.064	<1	0.26	0.013	0.02	<0.1	0.01	0.4	<0.1	<0.05	5	1
R200N 1200W	71	0.097	<1	0.59	0.01	0.05	0.1	0.02	1	<0.1	<0.05	6	<0.5
R200N 1175W	92	0.096	1	2.29	0.01	0.05	0.2	0.09	1.9	<0.1	<0.05	9	0.7
R200N 1150W	87	0.125	<1	2.06	0.011	0.06	0.1	0.05	2.6	<0.1	<0.05	9	1.3
R200N 1125W	147	0.103	1	1.2	0.013	0.06	0.1	0.04	1.7	0.1	<0.05	8	<0.5
R200N 1100W	242	0.139	1	3.08	0.016	0.15	0.2	0.08	3.6	0.2	<0.05	11	1.4
R200N 1075W	98	0.157	<1	1.68	0.017	0.08	0.1	0.04	2.4	<0.1	<0.05	11	1
R200N 1050W	161	0.112	<1	2.2	0.018	0.34	<0.1	0.03	4.4	0.3	<0.05	6	0.8
R200N 1025W	125	0.106	<1	2.13	0.017	0.3	<0.1	0.01	4	0.3	<0.05	5	1.3
R200N 1000W	196	0.155	<1	3.65	0.027	0.35	<0.1	0.05	5.8	0.3	<0.05	11	1.5
R200N 0975W	100	0.106	<1	2.02	0.014	0.27	<0.1	0.02	4.7	0.3	<0.05	6	0.9
R200N 0950W	84	0.083	<1	1.83	0.013	0.14	0.1	0.02	3.4	0.2	<0.05	5	0.7
R200N 0925W	107	0.099	<1	1.88	0.016	0.23	<0.1	0.02	4	0.3	<0.05	6	1.1
R200N 0900W	76	0.088	<1	1.7	0.011	0.06	<0.1	0.05	2.2	0.1	<0.05	7	1.5
R200N 0875W	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
R200N 0850W	39	0.107	<1	0.95	0.009	0.07	0.2	0.03	1.7	0.1	<0.05	9	0.8
R200N 0825W	96	0.11	<1	2.29	0.011	0.15	0.1	0.03	3.8	0.2	<0.05	7	1.3
R200N 0800W	17	0.056	<1	1.23	0.007	0.03	0.4	0.04	1.7	<0.1	<0.05	4	0.9
R200N 0775W	30	0.106	<1	2.16	0.009	0.04	0.2	0.05	2.6	<0.1	<0.05	7	0.6
R200N 0750W	49	0.098	<1	0.89	0.014	0.06	0.1	0.02	1.7	0.1	<0.05	7	0.6
R200N 0725W	35	0.158	<1	2.1	0.008	0.05	0.2	0.11	2.4	<0.1	<0.05	12	0.6

Sample Num	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
R200N 0700W	54	0.107	<1	2.4	0.011	0.07	0.1	0.07	3.4	<0.1	<0.05	7	0.7
R200N 0675W	55	0.118	<1	2.48	0.009	0.06	0.1	0.06	2.7	<0.1	<0.05	8	1.1
R200N 0650W	75	0.097	<1	2.07	0.023	0.15	<0.1	0.03	3.3	0.2	<0.05	7	1.1
R200N 0625W	46	0.076	<1	1.39	0.009	0.07	0.2	0.03	1.8	<0.1	<0.05	8	0.8
R200N 0600W	42	0.102	1	2.57	0.011	0.06	0.4	0.14	2.2	<0.1	<0.05	8	1.7
R200N 0575W	73	0.026	2	1.65	0.011	0.06	0.2	0.13	1.2	0.2	<0.05	5	3.2
R200N 0550W	36	0.07	1	0.28	0.009	0.04	0.2	0.03	0.7	<0.1	<0.05	5	<0.5
R200N 0525W	40	0.064	<1	0.46	0.012	0.04	0.2	0.03	0.6	<0.1	<0.05	7	<0.5
R200N 0500W	55	0.079	<1	0.68	0.015	0.16	0.1	0.02	1.7	0.2	<0.05	5	<0.5
R200N 0475W	42	0.039	<1	0.49	0.012	0.1	0.1	0.02	1.1	<0.1	<0.05	4	<0.5
R200N 0450W	58	0.101	2	1	0.014	0.11	0.2	0.08	1.3	0.1	<0.05	8	0.5
R200N 0425W	44	0.045	<1	1.03	0.011	0.1	0.2	0.05	1.5	0.2	<0.05	5	0.5
R200N 0400W	46	0.062	<1	1.25	0.011	0.17	0.3	0.02	2.1	0.2	<0.05	6	<0.5
R200N 0375W	21	0.064	<1	0.51	0.009	0.03	0.1	0.03	0.7	<0.1	<0.05	6	<0.5
R200N 0350W	50	0.065	1	3.35	0.023	0.02	0.1	0.14	2.3	<0.1	<0.05	7	2.8
R200N 0325W	70	0.032	1	1.44	0.017	0.07	0.7	0.1	1.6	0.2	<0.05	5	6.2
R200N 0300W	68	0.014	<1	0.88	0.013	0.04	0.3	0.09	1.1	0.2	<0.05	3	3.7
R200N 0275W	53	0.091	<1	1.45	0.008	0.06	0.2	0.04	2	<0.1	<0.05	9	<0.5
R200N 0250W	25	0.014	<1	0.19	0.016	0.02	<0.1	0.03	0.3	<0.1	<0.05	2	<0.5
R200N 0225W	36	0.101	<1	1.97	0.008	0.15	0.3	0.03	2.3	0.2	<0.05	10	1
R200N 0200W	25	0.059	<1	0.53	0.015	0.03	0.1	0.03	0.8	<0.1	<0.05	5	0.7
R200N 0175W	45	0.074	2	2.13	0.022	0.03	0.7	0.09	2.7	<0.1	<0.05	5	6.4
R200N 0150W	47	0.065	<1	1.33	0.013	0.04	0.3	0.05	1.3	0.1	<0.05	9	0.9
R200N 0125W	15	0.014	<1	0.29	0.009	0.02	<0.1	0.02	0.3	<0.1	<0.05	4	<0.5
R200N 0100W	22	0.028	<1	0.3	0.009	0.02	<0.1	0.03	0.5	<0.1	<0.05	5	<0.5
R200N 0075W	90	0.034	2	1.88	0.022	0.04	0.3	0.12	1.8	0.1	<0.05	3	2.2
R200N 0050W	14	0.022	<1	0.19	0.014	0.02	<0.1	0.01	0.5	<0.1	<0.05	3	<0.5
R200N 0025W	23	0.052	<1	0.73	0.01	0.03	0.2	0.03	1	<0.1	<0.05	8	<0.5
R200N 0000W	94	0.024	2	2.63	0.012	0.06	0.3	0.17	3.1	0.2	<0.05	3	3.9
R300N 1200W	125	0.092	<1	1.38	0.012	0.09	<0.1	0.04	2.6	0.2	<0.05	7	0.5
R300N 1175W	139	0.085	<1	1.64	0.014	0.29	<0.1	0.03	3.5	0.3	<0.05	6	0.8
R300N 1150W	145	0.079	<1	1.71	0.013	0.24	<0.1	0.02	3.6	0.3	<0.05	5	0.6
R300N 1125W	82	0.068	<1	0.76	0.014	0.06	<0.1	0.05	1.5	<0.1	<0.05	5	0.6
R300N 1100W	89	0.1	<1	1.61	0.011	0.11	0.1	0.05	2.2	0.1	<0.05	7	<0.5
R300N 1075W	110	0.159	<1	2.46	0.025	0.17	0.1	0.05	4	0.2	<0.05	12	0.5
R300N 1050W	72	0.105	<1	1.69	0.011	0.07	<0.1	0.03	3.1	<0.1	<0.05	7	0.7

Sample Num	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
R300N 1025W	114	0.133	<1	1.3	0.01	0.13	<0.1	0.02	3.3	0.1	<0.05	7	0.7
R300N 1000W	131	0.106	<1	1.33	0.011	0.13	<0.1	0.03	2.9	0.1	<0.05	7	0.9
R300N 0975W	97	0.113	<1	2.04	0.01	0.14	<0.1	0.03	3.6	0.2	<0.05	7	0.7
R300N 0950W	154	0.106	<1	1.45	0.009	0.2	<0.1	0.03	3.6	0.2	<0.05	5	0.7
R300N 0925W	147	0.072	<1	1.38	0.011	0.1	<0.1	0.03	3	0.1	<0.05	6	0.6
R300N 0900W	107	0.069	2	1.53	0.013	0.11	<0.1	0.04	3	0.3	<0.05	5	1.6
R300N 0875W	96	0.023	2	1.3	0.008	0.13	0.1	0.05	1.8	0.5	0.11	4	3.4
R300N 0850W	68	0.039	1	1.39	0.006	0.2	<0.1	0.02	1.9	0.3	<0.05	5	1.2
R300N 0825W	65	0.036	1	1.21	0.006	0.15	<0.1	0.02	1.2	0.2	<0.05	5	1
R300N 0800W	35	0.03	1	0.89	0.004	0.07	<0.1	0.03	0.7	0.1	<0.05	4	0.5
R300N 0775W	42	0.032	2	1	0.005	0.06	<0.1	0.02	0.9	0.1	<0.05	3	0.5
R300N 0750W	50	0.037	1	1.21	0.006	0.13	<0.1	0.02	1.1	0.2	<0.05	4	0.9
R300N 0725W	122	0.045	1	0.91	0.018	0.1	<0.1	0.07	1.2	0.2	<0.05	5	0.9
R300N 0700W	143	0.079	1	2.18	0.033	0.18	0.1	0.04	2.8	0.4	<0.05	6	2.4
R300N 0675W	45	0.072	<1	1.04	0.012	0.06	<0.1	0.02	2	<0.1	<0.05	6	0.7
R300N 0650W	125	0.065	<1	1.98	0.022	0.16	<0.1	0.03	2.8	0.2	<0.05	6	2.5
R300N 0625W	101	0.044	1	1.22	0.014	0.11	0.2	0.05	1.2	0.2	<0.05	6	0.9
R300N 0600W	47	0.09	1	2.45	0.013	0.09	0.1	0.07	2.3	0.2	<0.05	8	1.1
R300N 0575W	54	0.096	1	1.38	0.009	0.06	0.2	0.06	1.7	0.1	<0.05	7	<0.5
R300N 0550W	56	0.078	1	0.77	0.012	0.06	<0.1	0.03	1.2	0.1	<0.05	7	<0.5
R300N 0525W	62	0.08	<1	1.17	0.015	0.07	0.1	0.03	1.6	0.1	<0.05	7	0.6
R300N 0500W	51	0.059	<1	0.41	0.017	0.04	0.1	0.03	0.6	<0.1	<0.05	4	<0.5
R300N 0475W	84	0.156	1	0.86	0.016	0.06	0.2	0.02	1.2	0.1	<0.05	11	<0.5
R300N 0450W	34	0.104	1	0.96	0.014	0.05	0.2	0.03	1.2	<0.1	<0.05	6	<0.5
R300N 0425W	76	0.099	<1	0.71	0.009	0.06	0.2	0.03	0.9	<0.1	<0.05	8	0.7
R300N 0400W	65	0.129	<1	2.25	0.013	0.15	0.1	0.03	3.5	0.2	<0.05	8	0.7
R300N 0375W	63	0.101	<1	2.16	0.018	0.07	0.1	0.03	3.2	0.1	<0.05	8	0.9
R300N 0350W	65	0.089	<1	1.71	0.013	0.18	0.1	0.03	2.3	0.1	<0.05	6	0.6
R300N 0325W	26	0.119	1	1.13	0.013	0.05	0.2	0.04	1.4	<0.1	<0.05	7	<0.5
R300N 0300W	43	0.017	2	0.98	0.033	0.03	0.2	0.06	0.5	0.1	0.22	2	12.4
R300N 0275W	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
R300N 0250W	42	0.111	<1	1.23	0.012	0.05	0.2	0.04	1.2	0.1	<0.05	9	0.6
R300N 0225W	73	0.086	<1	1.85	0.015	0.14	0.2	0.05	2.1	0.1	<0.05	7	1.8
R300N 0200W	54	0.118	<1	2.07	0.017	0.13	0.1	0.04	3	0.1	<0.05	8	0.9
R300N 0175W	36	0.182	1	1.02	0.017	0.04	0.1	0.04	0.9	<0.1	<0.05	13	<0.5
R300N 0150W	25	0.082	<1	0.77	0.014	0.04	<0.1	0.04	0.8	0.1	<0.05	6	<0.5

Sample Num	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
R300N 0125W	33	0.042	1	1.37	0.017	0.04	0.2	0.07	1	0.1	<0.05	7	1.5
R300N 0100W	41	0.035	2	1.51	0.016	0.03	0.2	0.08	0.9	0.1	0.09	5	2.8
R300N 0075W	50	0.138	<1	1.46	0.022	0.04	0.3	0.09	1.9	0.1	<0.05	10	2.7
R300N 0050W	93	0.036	3	1.84	0.022	0.04	<0.1	0.15	0.9	0.1	0.07	4	5.1
R300N 0025W	77	0.06	2	2.44	0.014	0.04	0.2	0.13	2.1	0.2	0.06	7	2.7
R300N 0000W	59	0.117	<1	0.8	0.013	0.04	0.2	0.05	1.1	<0.1	<0.05	8	0.7
R400N 1200W	60	0.095	<1	1.31	0.013	0.08	<0.1	0.04	2	<0.1	<0.05	9	0.6
R400N 1175W	85	0.114	<1	1.26	0.013	0.08	0.1	0.05	2.2	<0.1	<0.05	10	0.7
R400N 1150W	183	0.11	<1	1.75	0.011	0.23	<0.1	0.05	3.9	0.2	<0.05	6	0.7
R400N 1125W	111	0.132	<1	1.77	0.011	0.11	0.1	0.04	3.7	0.1	<0.05	7	0.6
R400N 1100W	116	0.093	<1	2.27	0.012	0.11	<0.1	0.04	3.3	0.2	<0.05	7	<0.5
R400N 1075W	82	0.098	<1	1.65	0.014	0.07	<0.1	0.05	2.4	<0.1	<0.05	10	<0.5
R400N 1050W	101	0.091	1	2.04	0.011	0.1	<0.1	0.04	2.5	0.1	<0.05	8	0.6
R400N 1025W	65	0.083	1	2.01	0.011	0.07	0.1	0.05	2	<0.1	<0.05	7	<0.5
R400N 1000W	75	0.092	<1	1.78	0.01	0.06	<0.1	0.03	2.1	0.1	<0.05	6	0.8
R400N 0975W	198	0.116	<1	1.7	0.009	0.15	<0.1	0.02	3.6	0.2	<0.05	6	0.7
R400N 0950W	124	0.09	<1	1.83	0.008	0.08	<0.1	0.03	2.3	0.1	<0.05	6	1.1
R400N 0925W	144	0.102	<1	1.59	0.008	0.1	<0.1	0.01	2.4	0.2	<0.05	5	0.5
R400N 0900W	52	0.072	<1	1.7	0.007	0.08	<0.1	0.02	2.2	0.2	<0.05	5	0.6
R400N 0875W	49	0.064	<1	1.64	0.005	0.12	<0.1	0.02	2.5	0.2	<0.05	5	1.3
R400N 0850W	25	0.056	<1	1.12	0.007	0.1	<0.1	0.02	1.3	0.2	<0.05	4	0.8
R400N 0825W	17	0.054	<1	1.25	0.006	0.07	<0.1	<0.01	1.2	0.2	<0.05	4	1.5
R400N 0800W	174	0.076	1	1.48	0.018	0.21	<0.1	0.08	1.6	0.2	<0.05	5	1.2
R400N 0775W	99	0.096	<1	1.17	0.007	0.18	<0.1	0.05	2	0.2	<0.05	7	2.2
R400N 0750W	71	0.093	<1	1.95	0.015	0.08	0.1	0.05	1.8	0.1	0.05	9	2.6
R400N 0725W	54	0.1	<1	1.65	0.026	0.08	0.1	0.08	1.9	0.1	<0.05	8	1.3
R400N 0700W	108	0.065	<1	2.02	0.03	0.13	<0.1	0.04	1.7	0.2	0.06	7	1.7
R400N 0675W	107	0.067	<1	2.76	0.014	0.12	0.1	0.09	2.1	0.2	0.07	7	1.6
R400N 0650W	44	0.088	<1	1.21	0.018	0.07	0.1	0.07	1.7	0.1	<0.05	6	1.3
R400N 0625W	70	0.131	<1	3.21	0.016	0.07	0.1	0.09	2.8	0.2	<0.05	9	1.9
R400N 0600W	72	0.124	<1	1.52	0.034	0.06	0.2	0.06	1.8	0.2	<0.05	9	0.8
R400N 0575W	77	0.075	1	1.99	0.037	0.14	<0.1	0.05	2	0.2	<0.05	6	2.5
R400N 0550W	52	0.08	<1	1.33	0.017	0.05	0.2	0.06	1.9	<0.1	<0.05	5	1.4
R400N 0525W	59	0.104	<1	2.06	0.023	0.08	0.1	0.06	2.4	0.1	<0.05	8	<0.5
R400N 0500W	38	0.07	<1	1.13	0.012	0.07	0.1	0.06	1.1	<0.1	<0.05	7	0.5
R400N 0475W	40	0.044	<1	1.5	0.017	0.06	0.1	0.06	1	0.2	0.06	6	1.8

Sample Num	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
R400N 0450W	39	0.072	<1	1.82	0.017	0.06	0.2	0.06	1.4	0.1	<0.05	7	1.3
R400N 0425W	36	0.081	<1	1.68	0.013	0.08	0.2	0.05	1.7	0.1	<0.05	6	1.3
R400N 0400W	43	0.102	<1	1.58	0.012	0.09	0.1	0.03	2.4	0.1	<0.05	7	0.8
R400N 0375W	44	0.065	<1	1.25	0.022	0.06	<0.1	0.03	1	<0.1	<0.05	6	0.9
R400N 0350W	68	0.056	<1	0.89	0.012	0.06	<0.1	0.05	0.9	0.1	<0.05	4	0.5
R400N 0325W	32	0.113	<1	0.68	0.011	0.06	0.1	0.03	0.7	<0.1	<0.05	7	<0.5
R400N 0300W	32	0.089	<1	0.87	0.012	0.07	0.2	0.03	1.2	<0.1	<0.05	5	<0.5
R400N 0275W	60	0.05	<1	1.48	0.016	0.06	0.1	0.05	1.1	0.1	<0.05	6	<0.5
R400N 0250W	43	0.036	<1	2.4	0.016	0.07	0.1	0.12	0.8	0.2	0.07	4	1.2
R400N 0225W	24	0.081	1	0.97	0.011	0.03	0.3	0.06	0.6	<0.1	<0.05	7	<0.5
R400N 0200W	22	0.104	<1	0.39	0.006	0.04	0.1	0.01	0.5	<0.1	<0.05	6	<0.5
R400N 0175W	22	0.166	<1	1.36	0.006	0.04	0.2	0.04	1.4	<0.1	<0.05	14	<0.5
R400N 0150W	15	0.146	<1	0.44	0.007	0.04	0.1	0.02	0.5	<0.1	<0.05	9	<0.5
R400N 0125W	39	0.108	1	1.44	0.009	0.04	0.2	0.03	1.9	<0.1	<0.05	6	<0.5
R400N 0100W	29	0.162	<1	0.99	0.01	0.04	0.1	0.05	1.3	<0.1	<0.05	11	<0.5
R400N 0075W	59	0.154	1	1.06	0.012	0.05	<0.1	0.05	1.3	<0.1	<0.05	10	<0.5
R400N 0050W	24	0.114	<1	0.87	0.014	0.03	0.1	0.03	1	<0.1	<0.05	8	<0.5
R400N 0025W	58	0.043	2	1.36	0.022	0.04	0.9	0.09	0.7	0.1	<0.05	5	2.6
R400N 0000W	36	0.128	<1	0.65	0.012	0.04	0.3	0.02	1	<0.1	<0.05	8	<0.5
R500N 1200W	55	0.079	<1	1.81	0.009	0.06	<0.1	0.03	2.1	0.1	<0.05	6	0.6
R500N 1175W	86	0.084	<1	1.54	0.022	0.08	<0.1	0.06	2.3	<0.1	<0.05	9	<0.5
R500N 1150W	90	0.102	<1	1.62	0.017	0.08	<0.1	0.04	2.6	<0.1	<0.05	10	<0.5
R500N 1125W	115	0.084	<1	1.68	0.024	0.12	<0.1	0.04	3.7	0.1	<0.05	7	<0.5
R500N 1100W	78	0.073	<1	1.95	0.014	0.1	<0.1	0.03	2.2	<0.1	<0.05	8	0.6
R500N 1075W	67	0.078	<1	1.94	0.024	0.07	<0.1	0.05	2	<0.1	<0.05	8	<0.5
R500N 1050W	77	0.103	<1	1.43	0.016	0.07	0.1	0.03	2.5	<0.1	<0.05	8	<0.5
R500N 1025W	56	0.09	<1	2.13	0.01	0.08	<0.1	0.02	2.2	<0.1	<0.05	8	<0.5
R500N 1000W	46	0.075	<1	1.69	0.006	0.05	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5
R500N 0975W	75	0.074	<1	1.54	0.011	0.09	<0.1	0.01	1.6	0.2	<0.05	5	0.6
R500N 0950W	71	0.053	<1	1.05	0.02	0.04	<0.1	0.02	1.2	0.2	<0.05	4	<0.5
R500N 0925W	19	0.066	<1	1.47	0.007	0.04	<0.1	0.02	1.6	0.2	<0.05	4	<0.5
R500N 0900W	37	0.051	<1	1.09	0.006	0.04	<0.1	0.04	1	0.1	<0.05	3	<0.5
R500N 0875W	45	0.08	<1	1.32	0.011	0.08	<0.1	0.01	1.5	0.1	<0.05	5	0.6
R500N 0850W	83	0.134	<1	1.91	0.008	0.17	<0.1	0.02	3.5	0.2	<0.05	6	0.7
R500N 0825W	147	0.09	1	1.43	0.008	0.14	<0.1	0.03	2.5	0.2	<0.05	5	0.9
R500N 0800W	161	0.049	<1	1.51	0.006	0.17	<0.1	0.08	2.4	0.3	<0.05	6	0.9

Sample Num	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
R500N 0775W	74	0.065	<1	2.02	0.012	0.17	0.2	0.02	2.9	0.2	<0.05	8	0.9
R500N 0750W	100	0.115	<1	2.61	0.009	0.19	0.3	0.03	3.3	0.3	<0.05	8	1
R500N 0725W	111	0.082	<1	1.57	0.015	0.1	<0.1	0.04	2.1	0.2	<0.05	6	0.6
R500N 0700W	72	0.094	<1	2.08	0.012	0.16	<0.1	0.05	2.3	0.2	<0.05	9	0.9
R500N 0675W	88	0.082	<1	2.21	0.019	0.12	<0.1	0.05	2.9	0.2	<0.05	8	2
R500N 0650W	46	0.119	<1	1.73	0.008	0.08	0.2	0.05	2.8	0.1	<0.05	8	<0.5
R500N 0625W	87	0.128	<1	2.04	0.009	0.08	0.2	0.04	2.9	0.1	<0.05	8	<0.5
R500N 0600W	283	0.117	1	1.72	0.01	0.24	0.2	0.04	2.7	0.3	<0.05	8	<0.5
R500N 0575W	86	0.087	<1	1.9	0.011	0.23	0.1	0.07	2.3	0.2	<0.05	8	<0.5
R500N 0550W	185	0.132	<1	1.85	0.014	0.38	0.2	0.04	2.7	0.3	<0.05	8	<0.5
R500N 0525W	168	0.092	1	1.43	0.023	0.26	<0.1	0.03	1.8	0.2	<0.05	7	<0.5
R500N 0500W	141	0.104	<1	2.19	0.023	0.24	<0.1	0.03	3.5	0.2	<0.05	7	<0.5
R500N 0475W	108	0.053	<1	1.12	0.009	0.09	<0.1	0.04	1.1	0.1	<0.05	7	0.6
R500N 0450W	131	0.064	<1	1.73	0.019	0.17	<0.1	0.03	2.1	0.3	<0.05	6	0.9
R500N 0425W	146	0.055	2	1.57	0.017	0.14	<0.1	0.05	1.9	0.3	<0.05	6	2.2
R500N 0400W	170	0.048	1	1.7	0.014	0.18	<0.1	0.05	1.8	0.3	<0.05	7	1
R500N 0375W	148	0.06	1	1.83	0.015	0.22	<0.1	0.06	2.2	0.3	<0.05	5	2.1
R500N 0350W	111	0.062	1	1.88	0.023	0.13	<0.1	0.03	2.1	0.3	<0.05	5	2.6
R500N 0325W	85	0.05	2	1.66	0.009	0.1	<0.1	0.05	1	0.2	<0.05	9	1
R500N 0300W	101	0.045	1	1.56	0.02	0.07	<0.1	0.08	1.2	0.3	<0.05	6	1.4
R500N 0275W	98	0.046	<1	1.94	0.015	0.07	<0.1	0.04	1.5	0.2	<0.05	7	1.8
R500N 0250W	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
R500N 0225W	54	0.049	2	1.03	0.014	0.05	<0.1	0.04	1	<0.1	<0.05	6	<0.5
R500N 0200W	52	0.117	<1	1.15	0.009	0.04	<0.1	0.06	1.1	<0.1	<0.05	10	<0.5
R500N 0175W	47	0.146	<1	1.93	0.01	0.05	0.1	0.06	2.2	<0.1	<0.05	8	0.7
R500N 0150W	18	0.06	<1	0.39	0.016	0.03	0.2	0.02	0.4	<0.1	<0.05	5	<0.5
R500N 0125W	17	0.022	<1	0.11	0.014	0.01	<0.1	0.02	0.4	<0.1	<0.05	1	<0.5
R500N 0100W	25	0.095	1	0.57	0.006	0.03	0.2	0.04	0.8	<0.1	<0.05	7	<0.5
R500N 0075W	18	0.142	2	0.82	0.006	0.04	0.3	0.04	0.8	<0.1	<0.05	9	<0.5
R500N 0050W	17	0.074	<1	0.5	0.011	0.02	0.1	0.02	0.4	<0.1	<0.05	7	<0.5
R500N 0025W	27	0.017	1	0.66	0.013	0.02	0.2	0.06	0.6	<0.1	<0.05	3	<0.5
R500N 0000W	41	0.012	<1	1.51	0.014	0.04	<0.1	0.16	0.5	<0.1	0.08	5	<0.5
AZI 1400W	151	0.072	2	1.85	0.009	0.24	<0.1	0.05	6.3	0.3	<0.05	5	0.8
AZI 1375W	175	0.089	3	2.06	0.01	0.44	<0.1	0.04	8.1	0.4	<0.05	7	2.1
AZI 1350W	225	0.123	1	3.41	0.018	0.05	0.1	0.05	2.3	0.1	<0.05	8	<0.5
AZI 1325W	122	0.049	<1	1.27	0.012	0.09	<0.1	0.02	2.6	0.1	<0.05	4	<0.5

Sample Num	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
AZI 1300W	182	0.064	2	1.74	0.013	0.1	<0.1	0.04	2.4	0.2	<0.05	6	<0.5
AZI 1275W	114	0.028	1	1.21	0.007	0.05	<0.1	0.01	2	<0.1	<0.05	4	2.2
AZI 1250W	165	0.12	1	3.37	0.017	0.07	0.2	0.05	1.9	0.1	<0.05	9	<0.5
AZI 1225W	132	0.078	1	1.97	0.014	0.27	0.1	0.02	4	0.2	<0.05	5	<0.5
AZI 1200W	123	0.036	<1	1.31	0.011	0.07	0.1	0.02	2.5	<0.1	<0.05	4	<0.5
AZI 1175W	215	0.02	<1	1.28	0.014	0.06	<0.1	0.03	1.8	0.1	<0.05	4	1.2
AZI 1150W	257	0.054	1	1.63	0.017	0.09	0.1	0.02	2	0.1	<0.05	6	0.8
AZI 1125W	212	0.036	<1	1.52	0.017	0.08	0.1	0.02	1.6	<0.1	<0.05	5	1.9
AZI 1100W	135	0.03	<1	0.65	0.013	0.05	<0.1	0.02	0.7	<0.1	<0.05	3	<0.5
AZI 1075W	194	0.137	1	3.17	0.029	0.05	0.2	0.05	1.5	<0.1	<0.05	7	<0.5
AZI 1050W	184	0.084	<1	1.88	0.024	0.08	0.1	0.03	1.8	0.1	<0.05	6	<0.5
AZI 1025W	183	0.051	1	1.65	0.02	0.08	0.1	0.03	2.2	<0.1	<0.05	5	1.4
AZI 1000W	161	0.036	1	1.37	0.015	0.1	0.1	0.04	2.6	<0.1	<0.05	5	1.9
AZI 0975W	232	0.105	2	2.31	0.026	0.1	0.1	0.05	2.1	0.1	<0.05	7	<0.5
AZI 0950W	295	0.052	1	1.91	0.02	0.13	<0.1	0.05	2.6	0.1	<0.05	6	0.5
AZI 0925W	162	0.025	1	1.38	0.018	0.16	<0.1	0.03	4.9	0.1	<0.05	4	1.3
AZI 0900W	169	0.031	<1	1.4	0.014	0.15	<0.1	0.03	5.7	0.1	<0.05	4	1.4
AZI 0875W	207	0.043	1	1.81	0.025	0.14	<0.1	0.02	5.3	0.1	<0.05	6	1.2
AZI 0850W	152	0.021	1	1.36	0.017	0.1	0.2	0.03	4.9	0.1	<0.05	4	1
AZI 0825W	206	0.065	2	1.33	0.027	0.08	0.1	0.05	1.6	0.1	<0.05	5	0.7
AZI 0800W	159	0.09	1	1.84	0.025	0.07	0.1	0.05	2	<0.1	<0.05	7	1
AZI 0775W	187	0.065	1	1.83	0.021	0.09	0.1	0.06	2.5	0.1	<0.05	6	1.1
AZI 0750W	211	0.099	2	2.38	0.027	0.08	0.1	0.07	2.4	0.1	<0.05	7	0.6
AZI 0725W	209	0.024	1	2.09	0.011	0.08	0.2	0.04	2.7	0.1	<0.05	5	6.8
AZI 0700W	188	0.129	2	2.69	0.033	0.08	0.1	0.07	2	0.1	<0.05	8	0.8
AZI 0675W	167	0.031	2	2.12	0.015	0.1	0.2	0.05	3.6	0.2	<0.05	5	4.5
AZI 0650W	226	0.065	3	2.15	0.024	0.11	0.1	0.05	2	0.1	<0.05	7	0.8
AZI 0625W	132	0.023	<1	1.33	0.011	0.12	<0.1	0.03	3.2	<0.1	<0.05	3	2.5
AZI 0600W	243	0.059	1	1.98	0.022	0.09	0.1	0.04	2.3	0.1	<0.05	5	1.1
AZI 0575W	191	0.063	2	1.74	0.02	0.11	0.1	0.04	2	0.1	<0.05	6	0.7
AZI 0550W	133	0.041	1	1.18	0.017	0.07	<0.1	0.02	1.6	<0.1	<0.05	5	1.1
AZI 0525W	202	0.077	2	2.34	0.021	0.1	0.1	0.05	2.6	0.1	<0.05	6	0.9
AZI 0500W	149	0.078	3	2.8	0.023	0.07	0.2	0.06	2.2	0.2	<0.05	8	0.5
AZI 0475W	174	0.109	2	2.88	0.026	0.08	0.2	0.08	2	0.1	<0.05	8	<0.5
AZI 0450W	161	0.04	2	2.02	0.012	0.11	<0.1	0.05	2.6	0.1	<0.05	5	1.7
AZI 0425W	213	0.057	2	2.02	0.017	0.08	0.1	0.05	2.2	0.1	<0.05	6	0.7

Sample Num	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
AZI 0400W	140	0.024	2	1.55	0.011	0.1	0.1	0.03	2.5	<0.1	<0.05	4	2.2
AZI 0375W	98	0.041	<1	1.37	0.019	0.07	<0.1	0.05	1.4	<0.1	<0.05	4	0.9
AZI 0350W	114	0.111	2	4.19	0.026	0.08	0.2	0.07	2.1	<0.1	<0.05	7	<0.5
AZI 0325W	274	0.023	1	1.29	0.021	0.1	<0.1	0.07	1.7	0.1	<0.05	4	1.4
AZI 0300W	242	0.056	2	2.28	0.025	0.09	0.1	0.04	3	0.1	<0.05	6	0.9
AZI 0275W	255	0.067	2	2.66	0.02	0.09	0.2	0.06	2.9	0.2	<0.05	6	1.6
AZI 0250W	181	0.04	2	1.84	0.012	0.14	<0.1	0.04	3.3	0.1	<0.05	5	1.7
AZI 0225W	150	0.038	<1	1.78	0.012	0.07	0.1	0.05	2.9	0.1	<0.05	5	2.1
AZI 0200W	145	0.039	2	1.69	0.013	0.06	0.1	0.11	2.2	0.2	<0.05	5	1.7
AZI 0175W	92	0.022	1	1.33	0.009	0.06	0.2	0.04	1.7	0.1	<0.05	5	1.2
AZI 0150W	35	0.023	<1	0.75	0.009	0.04	<0.1	0.02	1.1	0.1	<0.05	4	0.8
AZI 0125W	172	0.057	2	2.2	0.012	0.06	0.1	0.08	2.8	0.1	<0.05	6	1.9
AZI 0100W	108	0.048	1	1.8	0.013	0.05	0.1	0.04	1.6	0.1	<0.05	7	0.6
AZI 0075W	138	0.012	<1	1.15	0.01	0.06	<0.1	0.02	1.7	0.1	<0.05	4	1.9
AZI 0050W	143	0.016	<1	1.15	0.011	0.08	<0.1	0.04	3	0.1	<0.05	3	2.6
AZI 0025W	68	0.017	<1	0.97	0.009	0.05	<0.1	0.03	1.8	<0.1	<0.05	3	2.3
AZI 0000W	200	0.017	<1	1.61	0.01	0.06	<0.1	0.04	2.2	0.2	<0.05	5	2.5