

Quarterly Activities Report – June 2022

Summary

Exploration at both Sinjakovo and Cajnice has progressed solidly through the June quarter resulting in a growing understanding of existing prospects and the identification of a number of new prospects on both tenement areas. Initial drill testing is planned to be completed on all identified prospects by year end, and to prioritise the work on the best targets in the next year. Highlights being:

Sinjakovo Project

- RDK Prospect: second hole complete, intersecting 1m wide massive sulphide from 74m down-hole depth (NE of the historic mine) - all assay results pending - first results expected late-July
- Zekil-Erak prospect: eight-trench program progressing well, first trench excavated complete - all assay results pending
- Surface rock chips returned up to **6.94 g/t gold, 183 g/t silver, 4.11% copper and 1.33% antimony**
- Final soil infill results returned up to **1.66 g/t gold** in soil
- New prospects identified:
 - Kovacevac: rock chips assaying up to **12.15 % zinc, 3.93 % lead and 510 g/t silver**
 - Bag: rock chips assaying up to **4.06 % zinc, >20 % lead and 388 g/t silver**.
 - Krajevi: soil sampling at newly granted tenement Jezero return encouraging results. In-fill soil sampling is in progress

Cajnice Project

- Gramusovici Prospect: Six holes completed to date. Hole CADD006 has intersected **4.7m with sulphides**. All assay results pending
- Berkovici prospect – preparation underway to twin-drill four historic drillholes targeting previously reported base metals mineralisation
- New prospects identified:
 - Majdan: rock-chips from old quarry up to **1.91 g/t gold, 220 g/t silver and 13% lead**. Soil sampling above the quarry returned up to **2.61 g/t gold and 177 g/t silver**
 - Braha: rock chip results up to **2.78% lead and 51 g/t silver**
 - Bandiera: coinciding electro-magnetic conductivity with a large copper-lead-zinc soil anomaly

Base and precious metals exploration company Lykos Metals Limited (**ASX: LYK**) (**Lykos** or the **Company**) is pleased to provide an update on activities at its 100% owned Sinjakovo, Cajnice and Sockovac projects in Bosnia-Herzegovina, and quarterly activities report for the period ended 30 June.

Sinjakovo Project

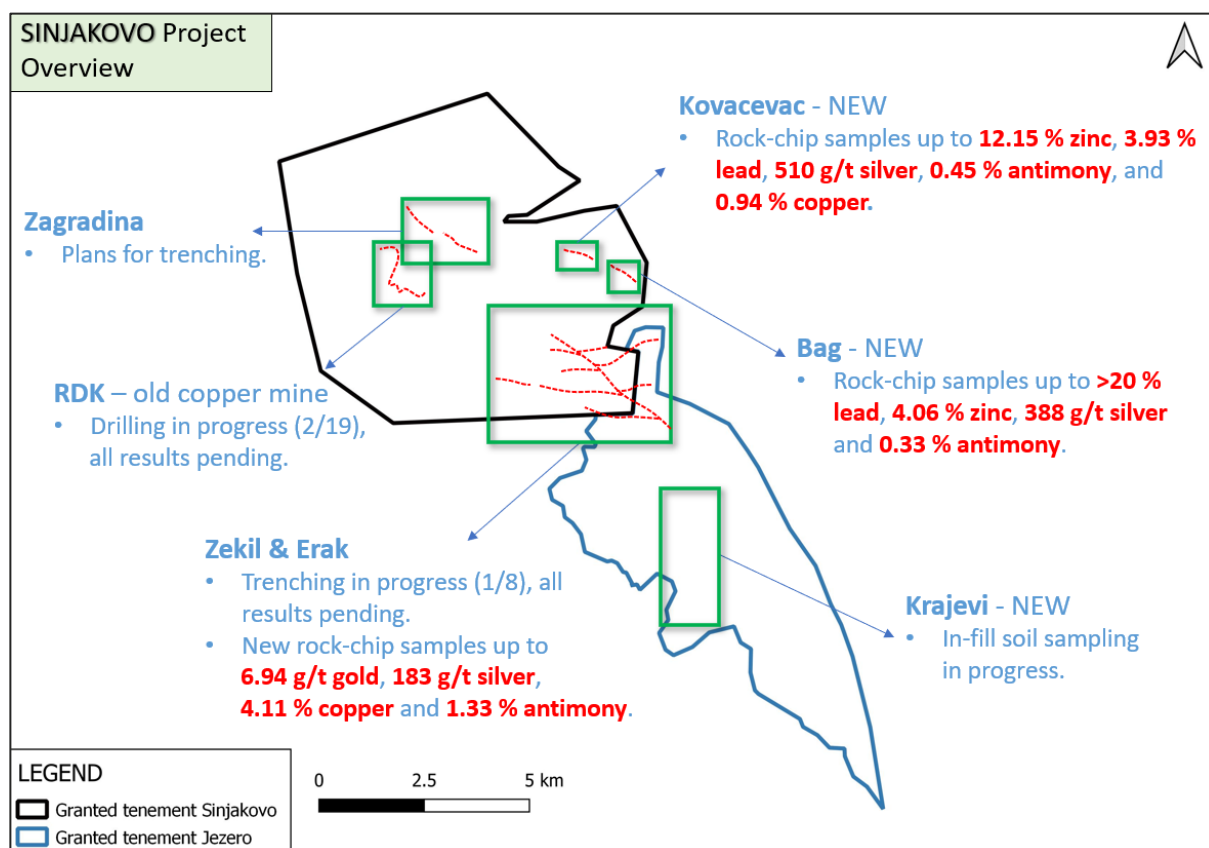


Figure 1: Sinjakovo project overview

RDK Copper-Cobalt Prospect

The first modern exploration drilling commenced at the RDK prospect during the quarter. Two out of 19 planned drillholes – SID001 and SID002 – are complete.

SIDD001 was collared to the southeast of the historic mine and has intersected the interpreted lithological sequence which hosts the nearby high grade historical copper mine at a downhole depth of 22.5m.

This was shallower than expected and in an oxide zone which suggests a reverse fault between SIDD001 and the historic mine area. The hole also intersected a sulphidic volcano-sedimentary complex at depth. SIDD002 was collared to the northeast of the historic mine, it has intersected 1m massive sulphide zone at 74m down-hole depth and has also encountered the volcano-sedimentary complex at depth.

Core recovery issues in strongly deformed and broken rocks meant drilling progress was slower than ideal. The difficult ground conditions required an additional drill rig to maintain the exploration schedule. The second drilling rig is on site, and drilling of drillholes SIDD003 and SIDD004 has commenced.

The geophysical airborne magnetic and electro-magnetic survey results were received. Geophysical results confirmed the previous interpretation and targeting strategy at RDK. The targeted mineralisation at RDK coincides well with the conductive EM anomalism. Compared to the Rastovaca locality, the EM anomalism is significantly stronger and wider at the **Debela Kosa** locality some 1km northwest of the historic copper mine. Aside from the geophysical electro-magnetic anomalism, the RDK Prospect area is also characterised by a broad magnetic anomaly. As with other newly identified geophysical anomalies, the plan is to drill test Debela Kosa locality during the coming quarter.

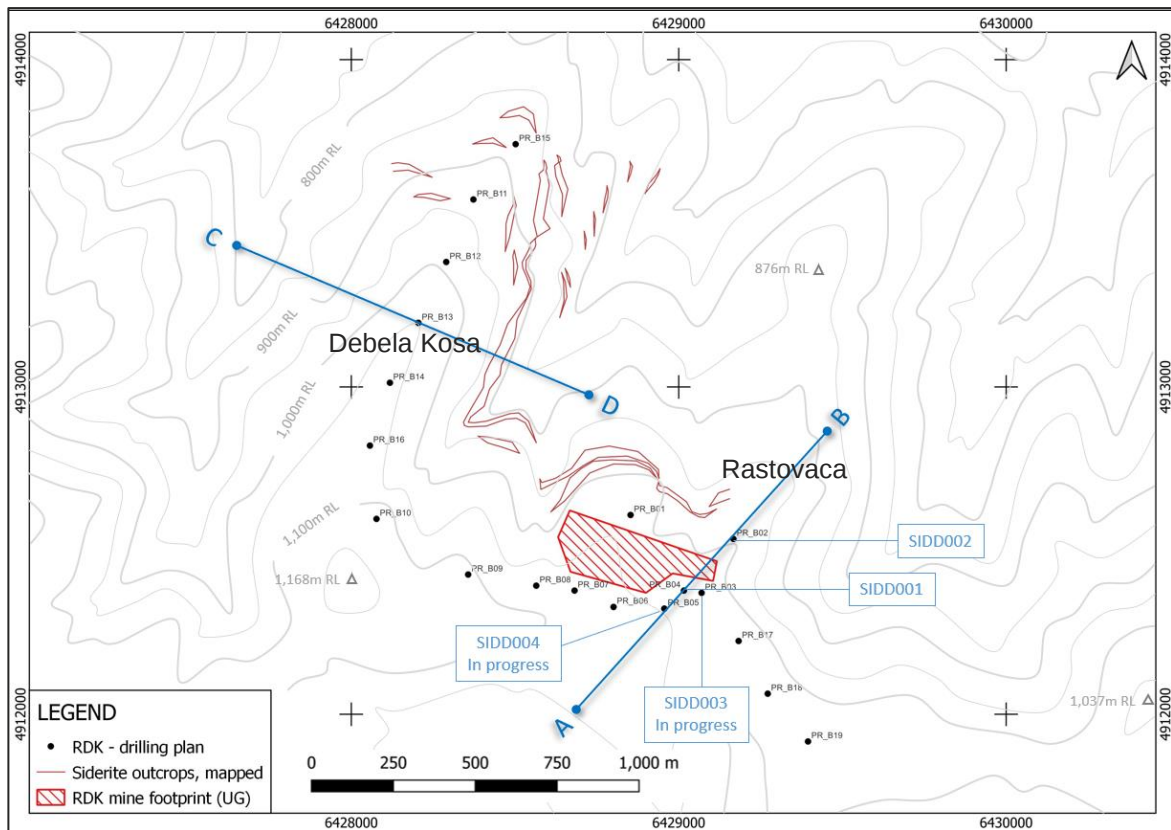


Figure 2: RDK Prospect – plan view showing the drilling area

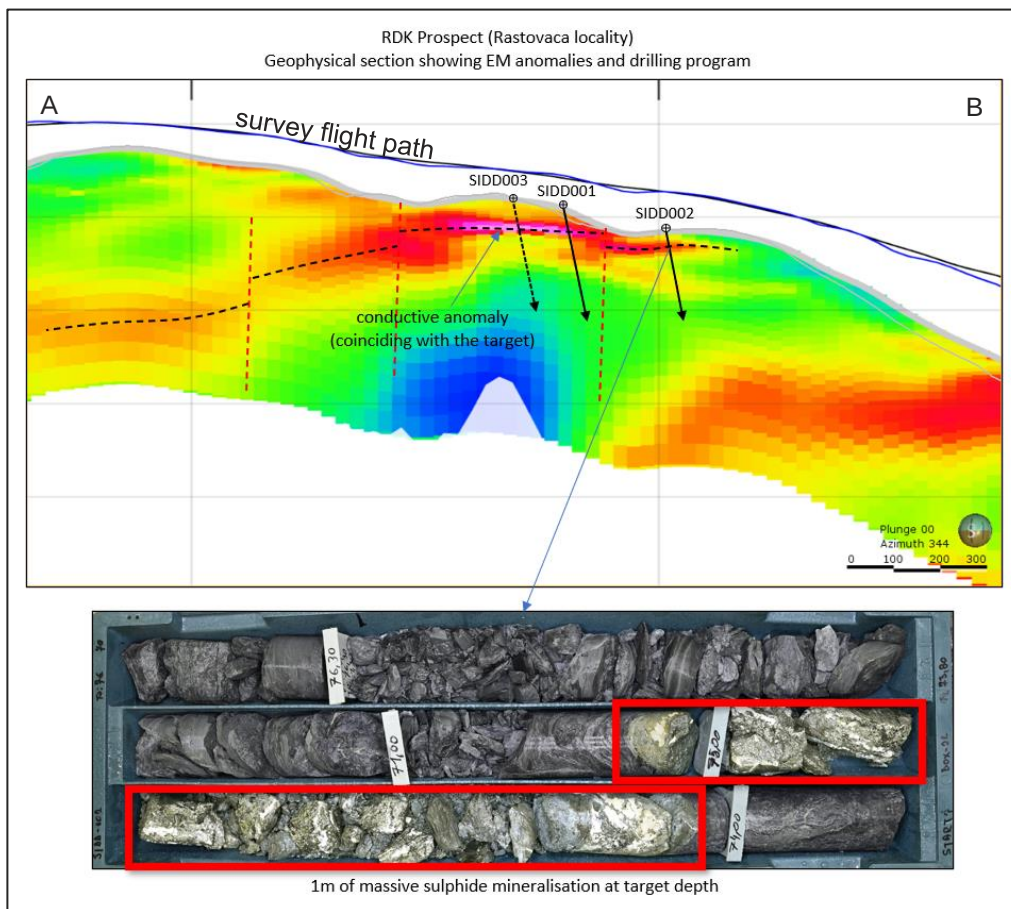


Figure 3: RDK Prospect – section A-B showing EM survey results and completed drilling

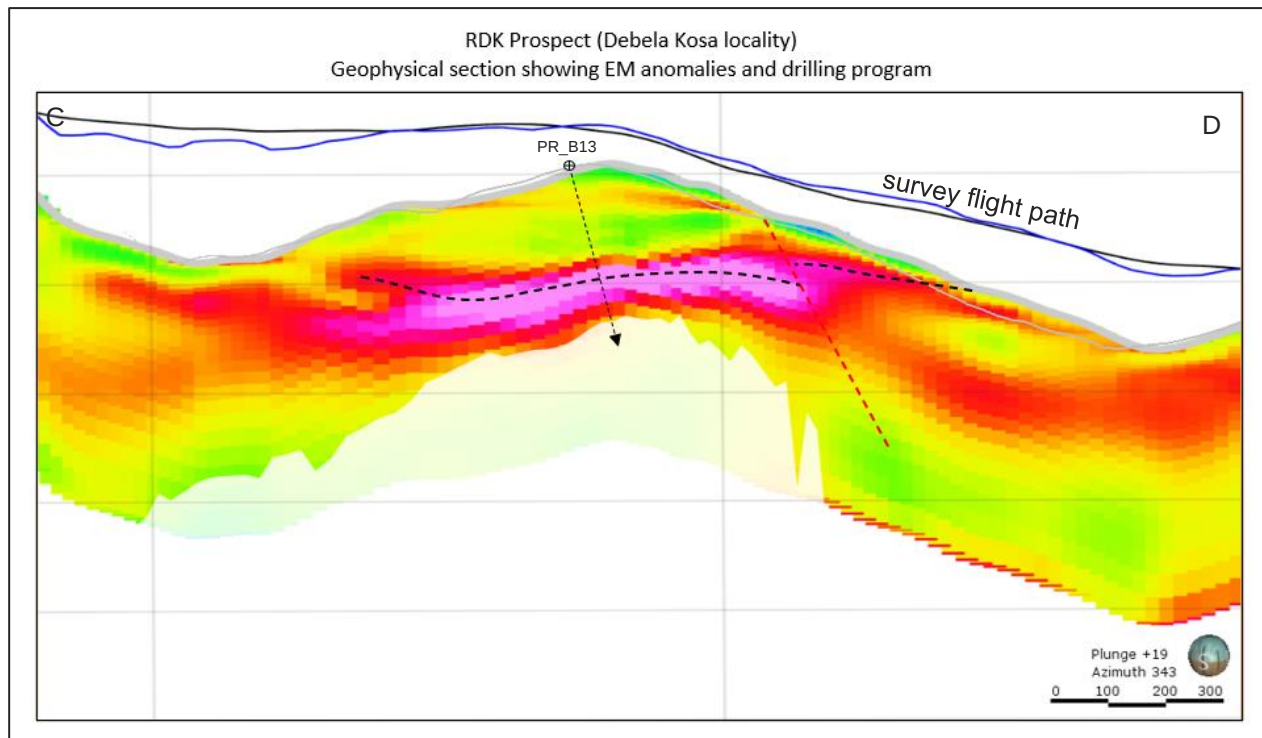


Figure 4: RDK Prospect – section C-D showing EM survey results and planned drilling

Zekil-Erak Prospect

The Zekil-Erak Prospect is a 4km² soil anomaly area that was discovered in the December 2021 quarter.

Lykos has commenced an eight-trench program at Zekil-Erak, targeting a gold-in-soil anomaly. The first trench (520m) is complete, with about 2km of total trenching planned.

As expected, the area has a generally thin soil cover. Exceptional recent surface results support an ongoing focus on this prospect and, subject to trenching results, drilling is planned to commence toward the end of the calendar year.

Recent surface sampling returned up to **6.94 g/t gold, 183 g/t silver, 4.11% copper** and **1.33% antimony**.

Final soil sampling infill results over the Erak area were received in late-April and returned up to **1.66 g/t gold in soil**. Soil results for the Zekil area have been reported previously with results of up to **2.08 g/t gold in soil**.

The outstanding polymetallic mineralisation at Zekil-Erak is associated with alteration and gossanous zones developed along the contacts of sediments and carbonates with quartz-porphry intrusives. A second, interpreted “monometallic” gold anomalism is present in the surrounding sediments further away from volcanic intrusives.

Geophysics over Zekil-Erak area is predominantly showing east-northeast-trending AEM high narrow features (suggesting steep sulphidic structures of same orientation). Also, a deeper broad EM conducting anomaly and large MAG low may indicate a deeper porphyry alteration halo over the prospect area.

The plan is to drill test the Zekil-Erak area upon completion of the trenching program with the expected start of this initial drilling program at Zekil-Erak is sometimes during the coming quarter.

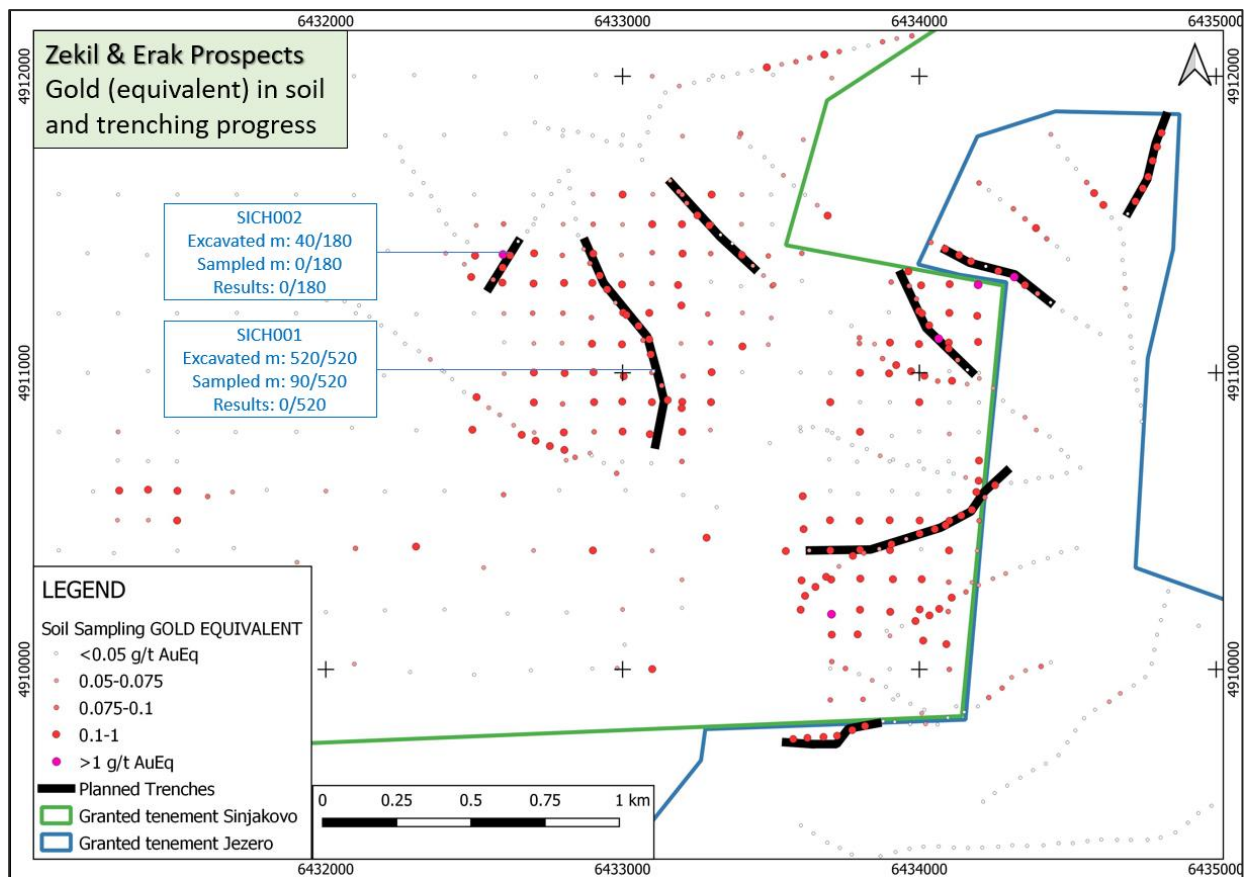


Figure 5: Zekil-Erak Prospect – trenching progress over the soil sampling results (gold equivalent)



Figure 6: Zekil-Erak Prospect – trench SICH001 and sampling with handheld rock saw

New prospects

During the quarter, three new prospects were identified within the Sinjakovo project area.

Reconnaissance work identified two new prospects – Kovacevac and Bag. Soil sampling results at the Jezero tenement identified the Krajevi Prospect.

The Kovacevac and Bag prospects are in the eastern part of Sinjakovo tenement, and located along the same structural corridor, highlighted by geophysical northwest-striking magnetic TVD trend. Reconnaissance over the area has shown that the barite lodes (hosting polymetallic mineralisation) have developed in marble in vicinity (and subparallel to) a major sulphidic shear zone some 50-100m east of the barite veining system. In contrast to barite lodes, sampling of the sulphidic shear itself did not return significant assays.

Kovacevac and Bag were identified following rock chip sampling results taken from areas with outcropping mineralisation. Drilling is planned to commence toward the end of the calendar year.

The Krajevi prospect, returning anomalous lead, zinc and antimony was identified for infill sampling following result from our initial soil sampling program at the Jezero tenement.

The Bag Prospect is located some 700m SE of Kovacevac Prospect. The polymetallic mineralisation is hosted in barite veins developed in limestone. The observed barite veining varies from 0.5 to 2m width and can be followed in outcrop along the 70m length. The barite veining system consists of two dominant domains – a northeast steeply dipping vein (parallel to a major shear nearby) and a flat domain, and a sub-domain of subvertical narrower (up to 1m wide) northeast-striking veins. The polymetallic mineralisation is relatively unevenly distributed through barite veins, with outcrop sampling results returning up to **4.06 % zinc**, **>20 % lead** (exceeded analysis upper limit) and **388 g/t silver**.

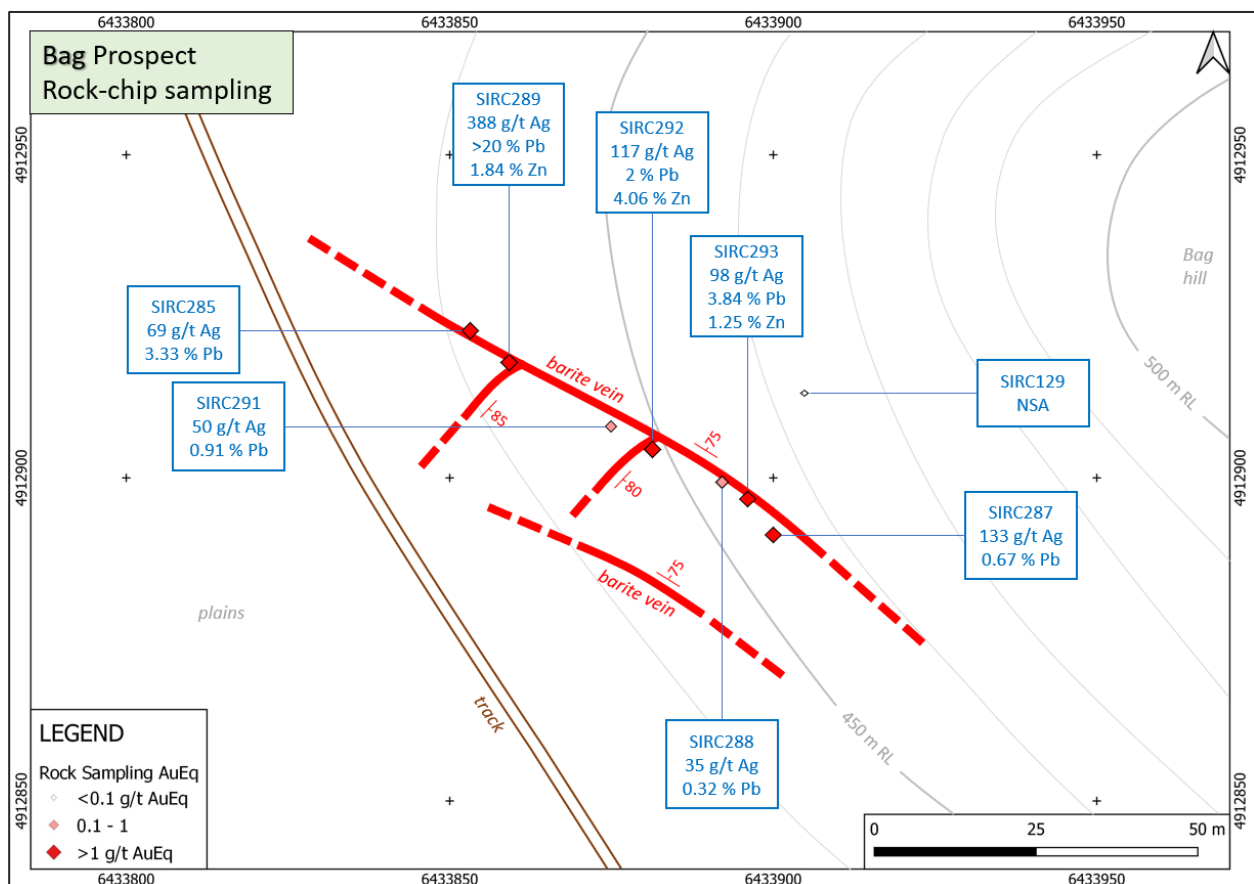


Figure 7: Bag Prospect – rock-chip sampling results



Figure 8: Photos of outcrops and samples from the Bag and Kovacevac prospects

The Kovacevac Prospect has an identical geological setting to the nearby Bag Prospect with Devonian marbly limestone hosting barite lodes with crack-and-fill style of polymetallic mineralisation. The system consists of two subparallel primary barite veins 0.5-1m wide and steeply dipping to northeast, and a secondary vein domain dipping gently to north. The rock-chip samples have returned up to **12.15 % zinc, 3.93 % lead** and **501 g/t silver**.

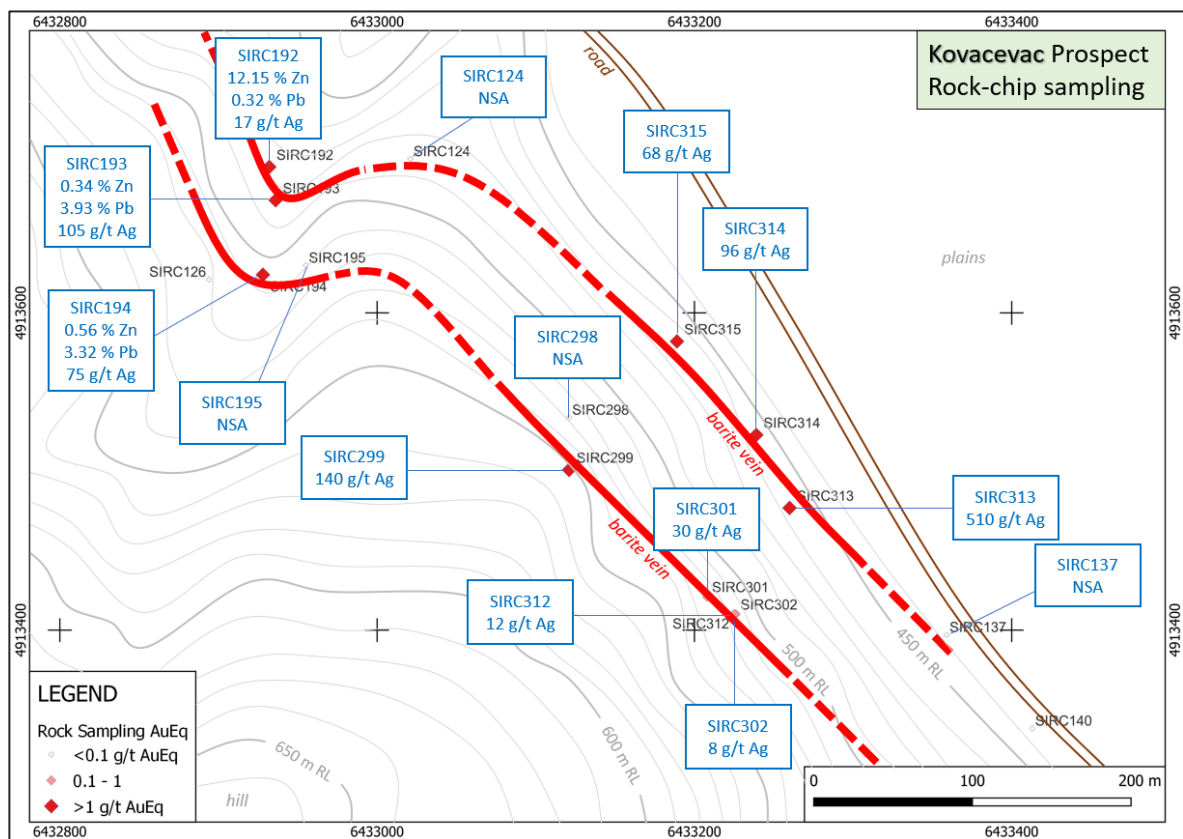


Figure 9: Kovacevac Prospect – rock-chip sampling results

The Krajevi prospect was identified within the Jezero tenement, with elevated lead, zinc and antimony values.

The geophysical results over the Krajevi Prospect showed a magnetic low field, with faint northwest-striking electro-magnetic and magnetic IVD features. The most obvious features are north-south striking breaks in magnetics. However, the heliborne survey results show peculiar EM high deep “ring” feature around the Krajevi prospect when viewed in 3D, which may be indicative of a subvolcanic system at depth.

All 612 soil samples from the initial program over newly granted Jezero tenement have been collected and all results have been received. The company has commenced infill sampling over the Krajevi Prospect, with about 66% of additional samples collected.

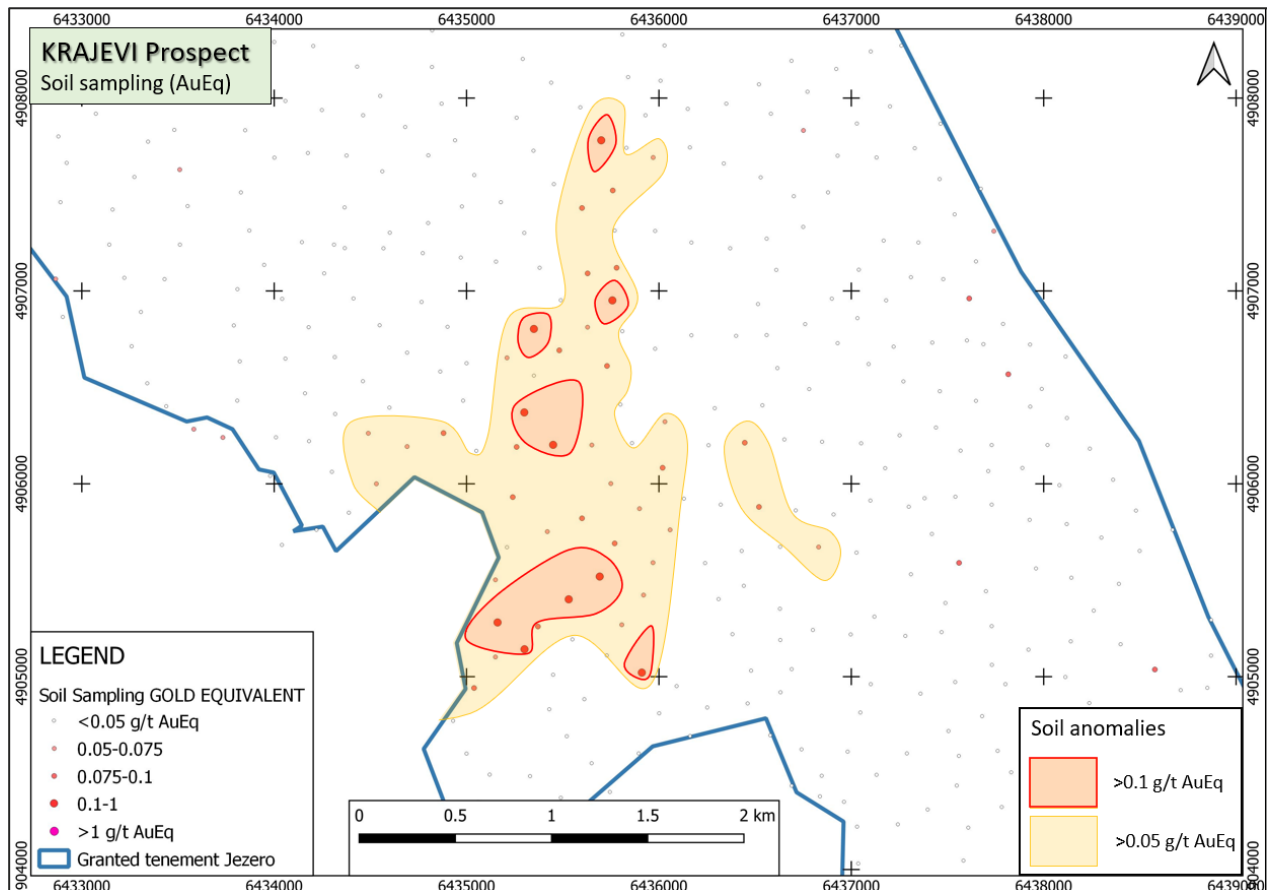


Figure 10: Jezero tenement – Krajevi Prospect.

To summarise the plan with these new prospects:

- Drilling is the next logical step at Bag-Kovacevac trend (plan is to commence with drilling at Bag-Kovacevac during the coming quarter); the mineralised structures are sufficiently exposed in subcrop so no trenching is needed.
- Detailed geological mapping / trenching at Krajevi Prospect leading to the drilling program late this year (providing that the Winter weather permits) or early next year.

Cajnice Project

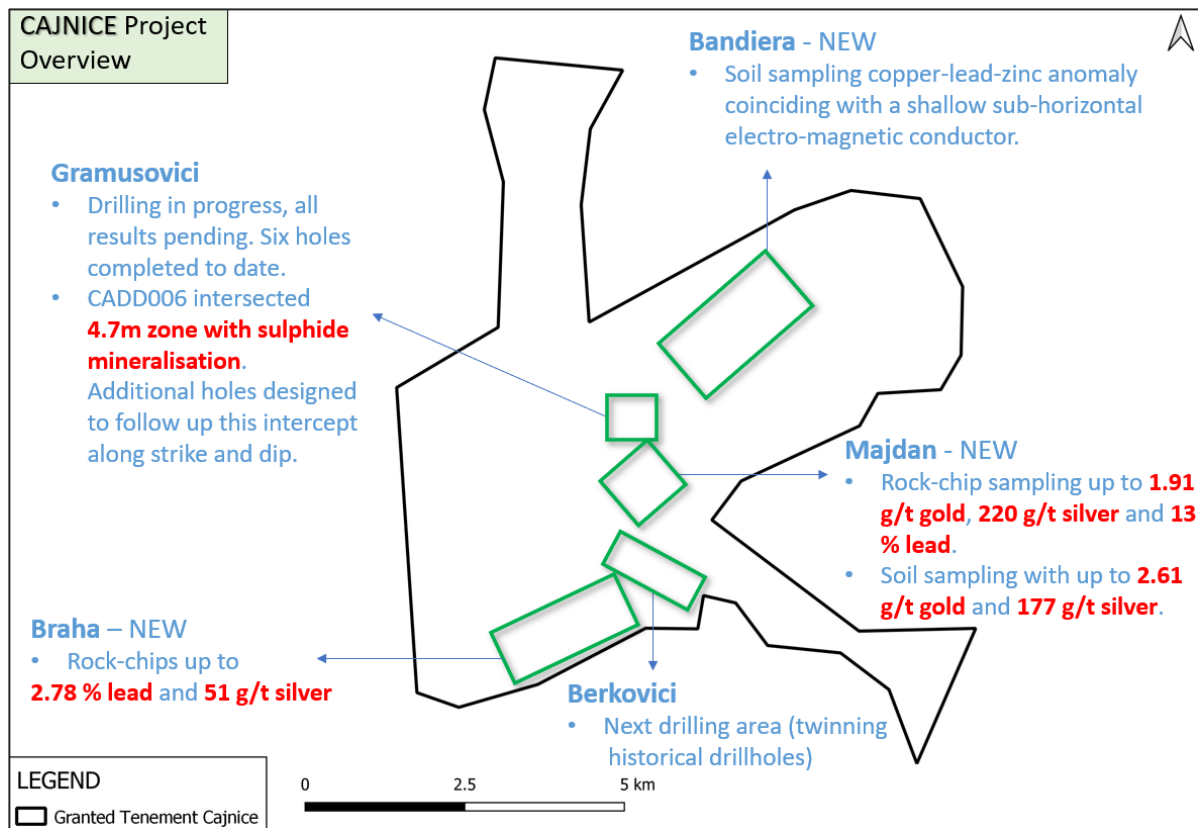


Figure 11: Cajnice Project overview.

Gramusovici Prospect

The drilling program at the Gramusovici Prospect is progressing well. Hole CADD006 intersected 4.7m with sulphides from 114.8m drilling depth, with approximately 20% of sulphides over the interval. All assay results are pending. The next three planned holes are designed to follow up this intercept along dip and strike; two new holes are visible on cross-section on Figure 13 and one is off section along strike.

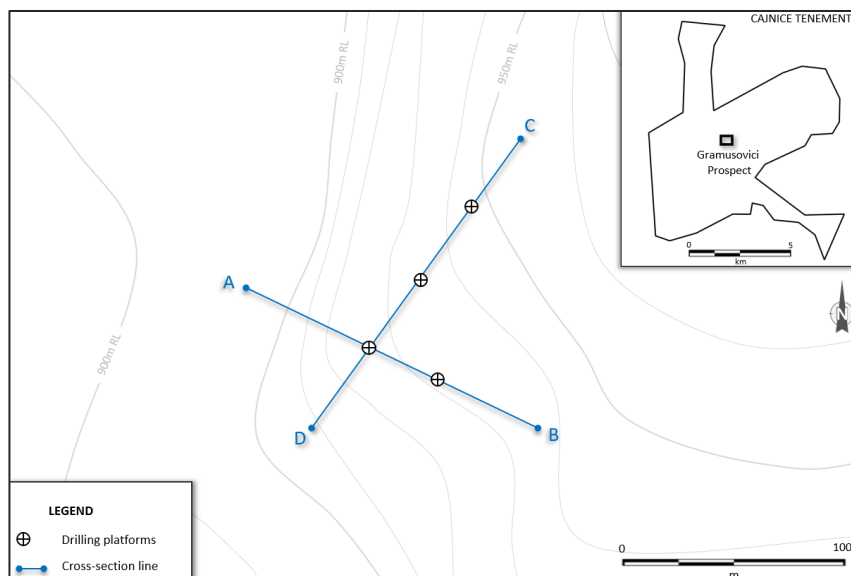


Figure 12: Gramusovici Prospect – plan view showing the drilling lines.

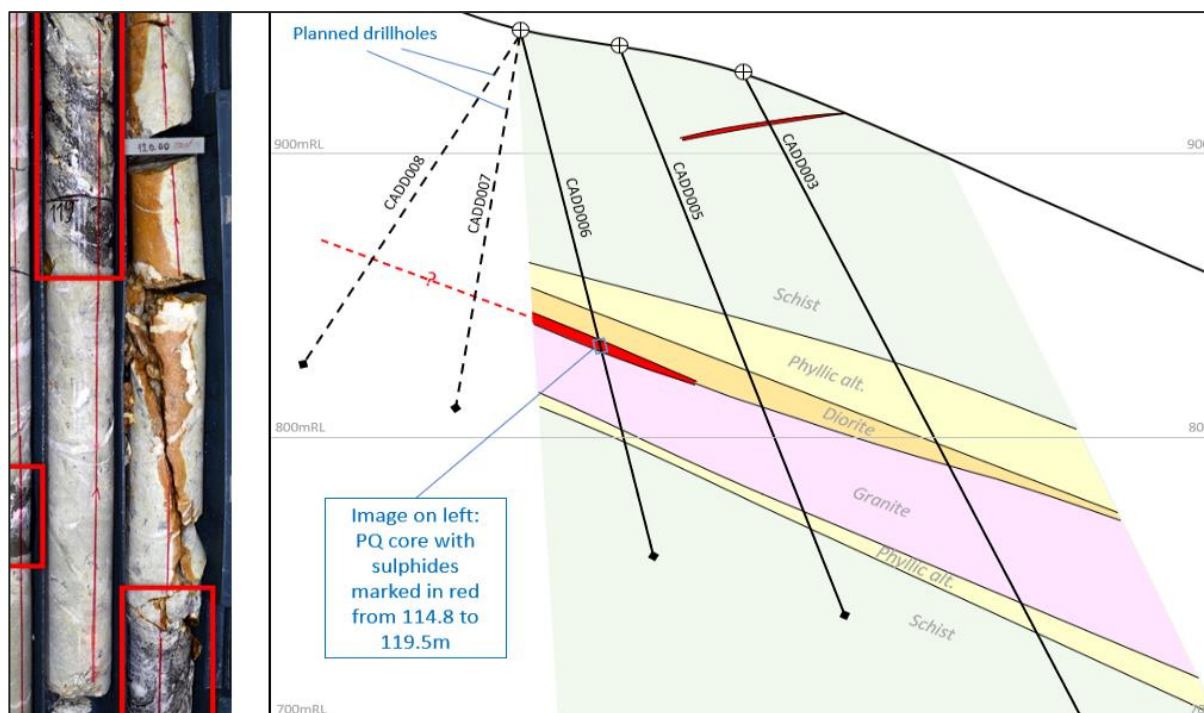


Figure 13: Gramusovici Prospect – section C-D showing the ongoing drilling progress

Similar to other targets at Cajnice, mineralisation at Gramusovici is controlled by gently dipping structures and the identified electro-magnetic anomalies match well with the earlier identified targets.

Gramusovici is characterised by a faint gently-dipping conductive feature, with trend coinciding with the granite and diorite intrusive intersected in drilling – this conductive feature increases in strength up the hill. The electro-magnetic anomaly is strongest 1.5km east of the current drilling area, at the Bandiera locality where a sub-horizontal conductor sits at 130m depth from the surface.

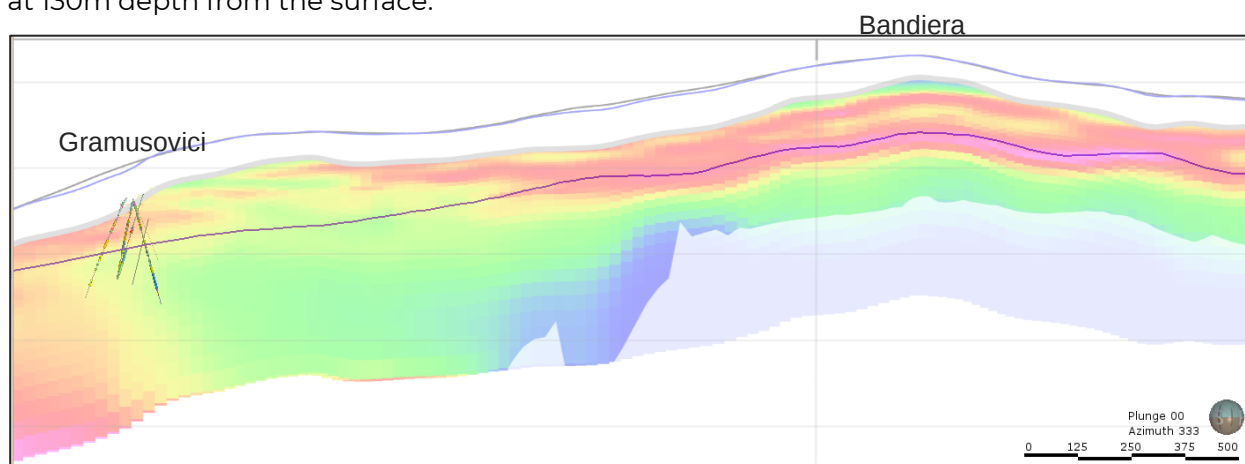


Figure 14: Gramusovici Prospect – section showing the geophysical EM anomalies. The purple line is interpretation of EM conductive layer, interpreted from a few adjoining sections

Majdan Prospect

The Majdan Prospect is located in the centre of the Cajnice project area, 800m south of Gramusovici and is the location of the historic quarry used to sheet local roads. The outcrop at Majdan shows contact between granites and strongly altered sediments. Several rock-chip samples were taken from this locality, and two samples have returned significant results up to **1.91 g/t gold, 220 g/t silver** and **13% lead**. Soil samples taken over the plateau above the quarry have returned results up to **2.61 g/t gold** and **177 g/t silver**.

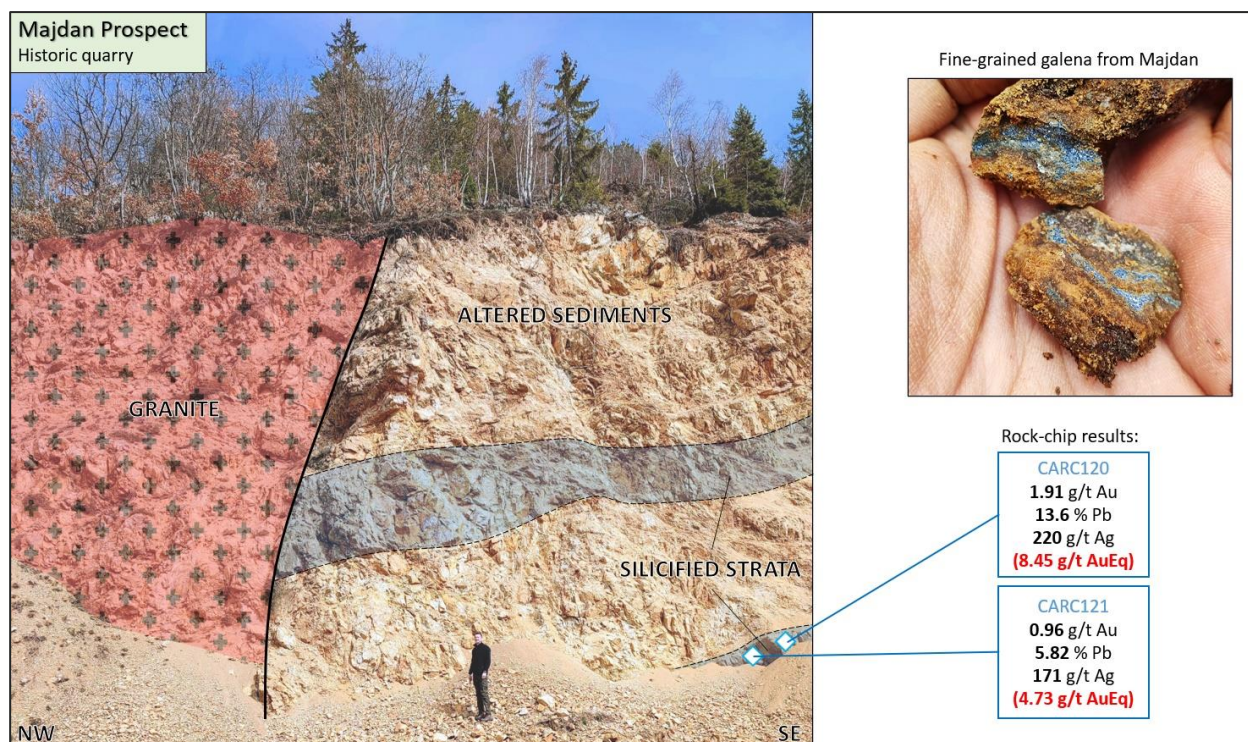


Figure 15: Majdan Prospect – photo of the historic quarry

The Braha Prospect

The Braha Prospect is located in the southern part of the Cajnice project area. Reconnaissance work is ongoing. So far, the rock-chip samples have been assayed as up to **2.78% lead** and **51 g/t silver**.

Soil Sampling

Systematic surface sampling is ongoing across the Cajnice project area. Some 1,925 soil samples were originally planned to be collected along the ridges at 100m spacing between the samples – additional 195 samples have been collected to further infill the spacing as a follow up positive results. Of those planned samples, 88% have been collected so far and results for 79% of total samples have been received.

With majority of soil sampling results received, interpretation of the results is given on Figure 16.

- Most notable soil anomaly (copper-lead-zinc) zone extends from the Gramusovici toward north-east to **Bandiera** locality. The Bandiera is also a location of a strong electro-magnetic conductivity horizon at 130m depth from surface. The flat shape of the conductor at Bandiera can explain a broad soil anomaly shape.
- A major north-west trending multi-element anomaly passing through **Berkovici** and **Batotici** localities. This zone is also highlighted in geophysical results as a shallow and sub-horizontal electro-magnetic conductor.
- **Braha** trend hanging off of the main Berkovici trend toward west-south-west.
- **Majdan** anomaly extends for about a kilometre further to north-west from mineralised outcrop.
- Interpretation of anomalies in the **far east and north** of the tenement will be provided once more soil sampling results are received.

With soil sampling program activities nearing the completion, field crews have started to focus more on reconnaissance, geological mapping and rock-chip sampling – and concluding the acquisition of surface data over Cajnice Project.

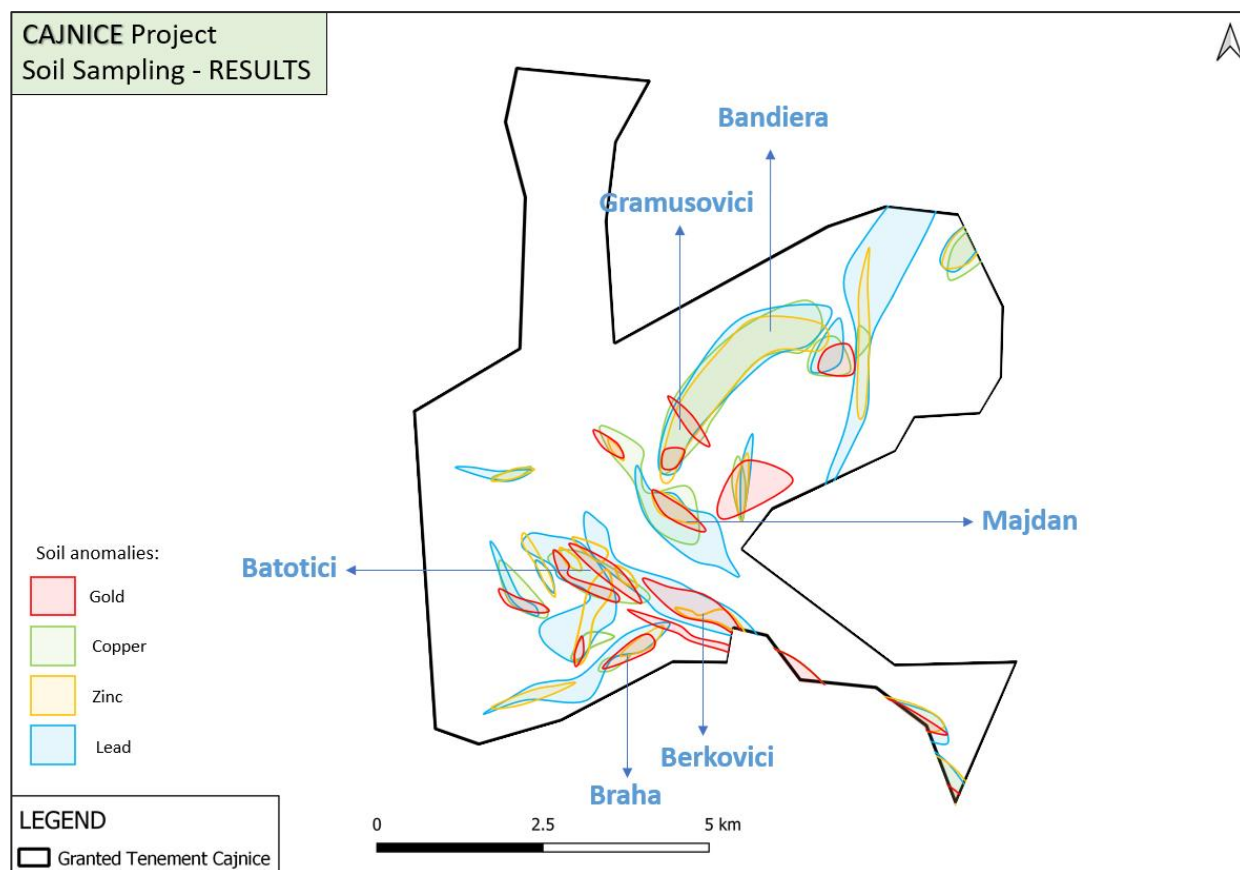


Figure 16: Cajnice Project - soil sampling results (79% received to date)

Initial drill testing (with expected start during the coming quarter) is warranted on all mentioned prospects. It is expected that more new prospects will be outlined based on combination of geological, geochemical and geophysical surveys by year end, generating the pipeline of early-stage targets for 2023.

Sockovac

On 10 June, the Company received a notification (**Notice**) from the Ministry of Energy and Mining for the Republic of Srpska, Bosnia-Herzegovina, (**Ministry**) advising of the revocation of the Resolution of the Ministry which granted Lykos' wholly owned subsidiary Medeni Brijeg d.o.o permission to conduct detailed geological exploration activities on its Sockovac Project Area.

The Notice recorded that it was issued following a proposal for revocation by certain individuals who are owners or co-owners of plots of land on the Sockovac Project Area which centres on the procedure undertaken which led to the Ministry passing the Resolution.

Lykos believes that the Ministry has acted inappropriately in issuing the Notice and has filed a lawsuit with the District Court of Banja Luka to initiate an administrative dispute over the Ministry's action. Lykos has also taken steps to seek the agreement of the Ministry to the implementation of the Notice being postponed pending a decision on the Company's lawsuit.

All exploration activities on the Sockovac Project Area have been postponed pending a favourable outcome for Lykos and Lykos does not anticipate that it will have any material update on the Sockovac dispute until late 2022 at earliest.

Corporate

Cash position

Lykos had a cash balance of \$7.1 million at 30 June 2022 and no debt.

The Company incurs the majority of its expenditure in Euro and Bosnian Convertible Marks and as a risk management policy maintains a significant proportion of its funds in Euro-denominated accounts. At 30 June 2022, \$5.3 million was held in Australian dollars and the remaining \$1.8 million was held in Euro and Bosnian Convertible Mark-denominated accounts.

Expenditure during the quarter

On an overall level expenditure to 30 June 2022 has been consistent with the expectations presented in the Company's Prospectus dated 16 September 2021 in all material respects, however, the expenditure on the three projects has been weighted more towards Cajnice and Sinjakovo than had been originally anticipated. In accordance with Listing Rule 5.3.4, tabulated below is a comparison expenditure to 30 June 2022 against the use of funds statement included in the Prospectus:

Use of Funds	Use of Funds Statement \$'000	Actual to 30 June 2022 \$'000
Exploration expenditure (two years including associated asset acquisitions)	8,533	2,413
Expenses of the Offer	1,095	1,108
Administration costs and unallocated working capital (two years)	2,585	1,350
Foreign exchange losses / (gains)	-	315
Total	12,213	5,186

In accordance with Listing Rule 5.3.2, Lykos confirms that its activities were restricted to exploration only and that it did not conduct any mining development or production activities during the quarter.

Related party transactions

Related party transactions during the quarter were limited to payments to the directors of salaries and directors' fees for a total amount of \$123,857 and payments to RFC Ambrian Limited¹ totalling \$45,000, pursuant to the corporate service agreement recorded at section 9.4 in the Company's prospectus dated 16 September 2021, for the provision of accounting services, company secretarial services and other administrative support.

Capital structure

At both 30 June 2022 and the date of this release, the Company's capital structure was:

	Number
Fully paid ordinary shares	113,400,002
Options with an exercise price of \$0.30 per option and an expiry date of 15 October 2023	32,000,000
Options with an exercise price of \$0.20 per options and an expiry date of 15 October 2025	375,000
Director options with an exercise price of \$0.20 per options and an expiry date of 15 October 2025, subject to vesting conditions	2,550,000

Note: polymetallic mineralisation is encountered at localities throughout the project area. For easier reporting and comparison of assay results, figures in this report sometimes include the "gold equivalent" results. This is a simpler reporting measure that combines the results from gold, silver, copper, lead, antimony and zinc (normalised by their current commodity prices and the metallurgical recoveries from known deposits of similar mineralisation style). More details on gold equivalent calculation is given in Appendix – JORC Table 1, Section 2.

This announcement has been authorised for release by the Board of Lykos Metals Limited.

Mladen Stevanovic

Managing Director

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¹ The Company's chairman, Stephen Allen, has a relevant interest of over 20% in RFC Ambrian Limited.

About Lykos Metals Limited

Lykos Metals Limited (ASX: LYK) is a Perth-based exploration company with projects in the underexplored Tethyan metallogenic belt in Bosnia and Herzegovina that are highly prospective for battery and precious metals.

Lykos' Sinjakovo project is prospective for copper, cobalt, gold and silver; the Cajnice Project is prospective for copper, gold, silver and zinc; and the Sockovac project is prospective for nickel, cobalt, copper, gold and silver.

Lykos is committed to delivering significant and sustainable shareholder value through advancing its three base and precious metals projects. The Company's projects are located near existing core infrastructure and transport routes to Europe's battery manufacturing supply chain. For more information about our

For more information about our Company, please visit www.lykosmetals.com.

Competent Persons Statement

The information in this announcement that relates to Exploration Results is based on information compiled and conclusions derived by Mr Mladen Stevanovic, a Competent Person who is a member of the AusIMM (membership number 333579). Mr Stevanovic is a full-time employee of the Company. Mr Stevanovic has sufficient experience that is relevant to the technical assessment of the Mineral Assets under consideration, the style of mineralisation and types of deposit under consideration and to the activity being undertaken to qualify as a Practitioner as defined in the 2015 Edition of the "Australasian Code for the public reporting of technical assessments and Valuations of Mineral Assets", and as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Stevanovic consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

Forward Looking Statements

This announcement contains forward-looking statements which involve several risks and/or uncertainties. These forward-looking statements are expressed in good faith and are believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks and/or uncertainties materialise, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and/or strategies described in this announcement. No obligation is assumed to update forward-looking statements if these beliefs, opinions and/or estimates should change and/or to reflect other.

Appendix 1 – Reported Samples

Only data received since last exploration activities announcements for Cajnice on 1 June 2022 headed “*Cajnice project Update*” and for Sinjakovo on 8 June 2022 headed “*Sinjakovo Project Update*” is presented here. For earlier data see previous announcements.

Table 1: RDK, Phase 1 drilling program details – collars not surveyed by DGPS yet

<i>Proposed Drillhole</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Azimuth</i>	<i>Dip</i>	<i>End of Hole</i>
<i>SIDD002</i>	6429167	4912536	998	360	-80	271

Table 2: Gramusovici, Phase 1 drilling program details – collars not surveyed by DGPS yet

<i>Proposed Drillhole</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Azimuth</i>	<i>Dip</i>	<i>End of Hole</i>
<i>CADD003</i>	6585507	4827896	931	292	-45	209.7
<i>CADD004</i>	6585532	4827879	929	135	-45	325
<i>CADD005</i>	6585534	4827927	938	220	-70	195
<i>CADD006</i>	6585552	4827953	944	220	-75	223.8

Table 3: Rock-chip sampling results

<i>Sample</i>	<i>CTRL</i>	<i>X</i>	<i>Y</i>	<i>Au_g/t</i>	<i>Ag_g/t</i>	<i>Cu_%</i>	<i>Pb_%</i>	<i>Sb_%</i>	<i>Zn_%</i>	<i>AuEq_g/t</i>
<i>CARC197</i>		6583977	4824487	0.01	1	0.01	0	0	0.01	0.02
<i>CARC198</i>		6583969	4824794	0.01	1	0	0	0	0	0.01
<i>CARC199</i>		6583980	4824810	0.01	1	0	0.01	0	0.01	0.02
<i>CARC200</i>	DUP			0.01	1	0	0	0	0.01	0.01
<i>CARC201</i>		6584335	4824739	0.08	1	0.01	0	0	0.01	0.07
<i>CARC202</i>		6584329	4824853	0.01	10	0.09	0.03	0.02	0.03	0.29
<i>CARC203</i>		6584364	4825009	0.01	1	0	0	0	0.01	0.02
<i>CARC204</i>		6584335	4825186	0.01	2	0.02	0.01	0.01	0.08	0.13
<i>CARC205</i>		6584210	4825355	0.01	1	0	0	0	0	0.01
<i>CARC206</i>		6584122	4825393	0.01	1	0	0	0	0.01	0.02
<i>CARC207</i>		6583867	4825402	0.01	1	0	0	0	0	0.01
<i>CARC208</i>		6582926	4824853	0.01	1	0	0	0	0	0.01
<i>CARC209</i>		6587692	4824873	0.01	1	0	0	0	0	0.01
<i>CARC210</i>	STD			1.97	94	1.67	0.32	0.01	1.52	5.27
<i>CARC211</i>		6587525	4824973	0.01	1	0	0	0	0.01	0.01
<i>CARC212</i>		6587518	4824969	0.01	1	0	0	0	0.02	0.02
<i>CARC213</i>		6582653	4825159	0.01	1	0	0	0	0	0.01
<i>CARC214</i>		6583358	4826588	0.01	1	0	0	0	0	0.01
<i>CARC215</i>		6583038	4824903	0.01	1	0	0	0	0	0.01
<i>CARC216</i>		6583055	4824947	0.01	1	0	0	0	0	0.01

CARC217		6585851	4826933	0.01	3	0.05	0.17	0	0.04	0.18
CARC218		6582843	4824827	0.01	1	0	0	0	0.01	0.02
CARC219		6582937	4825008	0.01	1	0	0	0	0	0.01
CARC220	STD			2.08	91	1.69	0.31	0.01	1.52	5.33
CARC221		6582985	4825076	0.01	1	0	0	0	0	0.01
CARC222		6583053	4825151	0.01	1	0	0	0	0	0.01
CARC223		6583153	4825378	0.01	1	0	0	0	0	0.01
CARC224		6583159	4825391	0.01	1	0	0	0	0	0.01
CARC225		6585611	4833688	0.01	1	0	0	0	0	0.01
CARC226		6585351	4833746	0.03	1	0.02	0	0	0.01	0.07
CARC227		6585280	4833674	0.01	1	0	0	0	0	0.01
CARC228		6585311	4833655	0.01	1	0	0	0	0	0.01
CARC229		6585337	4833630	0.01	1	0	0	0	0	0.01
CARC230		6585436	4833575	0.01	1	0	0	0	0	0.01
CARC231		6583777	4824595	0.01	1	0	0	0	0	0.02
CARC232		6583687	4824644	0.01	1	0	0	0	0.08	0.05
CARC233		6583332	4824328	0.01	1	0	0	0	0.01	0.02
JZRC031		6434122	4911482	0.01	1	0	0	0	0	0.02
JZRC032		6434144	4911480	0.23	9	0.06	0	0.11	0.02	0.59
JZRC033		6434170	4911473	1.04	98	1.54	0	1.05	0.1	6.09
JZRC034		6434216	4911470	0.67	71	0.8	0	0.31	0.04	2.9
JZRC035		6434741	4911564	0.01	1	0	0	0	0.01	0.06
SIRC285		6433853	4912923	0.01	69	0.05	3.33	0.06	0	1.97
SIRC286		6433885	4912905	0.01	11	0	0.65	0.01	0.08	0.4
SIRC287		6433900	4912891	0.07	133	0.21	0.67	0.12	0.12	2.17
SIRC288		6433892	4912900	0.01	35	0.05	0.32	0.04	0.03	0.61
SIRC289		6433860	4912918	0.01	388	0.11	20	0.14	1.84	11.73
SIRC290	STD			1.85	96	1.7	0.32	0.01	1.56	5.35
SIRC291		6433875	4912908	0.01	50	0	0.93	0.01	0.04	0.84
SIRC292		6433881	4912904	0.01	117	0.01	2	0.08	4.06	4.05
SIRC293		6433896	4912897	0.02	98	0.29	3.84	0.33	1.25	3.98
SIRC294		6433894	4912810	0.01	1	0	0.01	0	0.01	0.09
SIRC295		6436172	4911447	0.01	1	0.01	0.01	0	0.02	0.08
SIRC296		6436217	4911440	0.37	120	0.49	0.03	0.05	0.01	2.19
SIRC297		6434210	4912525	0.01	1	0.01	0	0	0	0.02
SIRC298		6433121	4913534	0.01	2	0.01	0.01	0	0.03	0.05
SIRC299		6433121	4913501	0.01	140	0.19	0.16	0.07	0.13	1.91
SIRC300	DUP			0.01	47	0.04	0.02	0.01	0.02	0.56
SIRC301		6433208	4913421	0.01	30	0.11	0.02	0.1	0.05	0.72
SIRC302		6433226	4913410	0.03	8	0.34	0.07	0.1	0.25	0.92
SIRC303		6432970	4911135	5.78	9	0.01	1.47	0.03	0.01	4.36
SIRC304		6433084	4911594	0.12	1	0	0	0	0	0.13
SIRC305		6432721	4911045	0.01	1	0.03	0	0	0	0.06
SIRC306		6434005	4910872	0.01	1	0	0	0	0	0.01
SIRC307		6434040	4911123	6.26	17	0.61	0	0.55	0.12	6.29
SIRC308		6434021	4911219	0.04	1	0.01	0	0	0.01	0.06

SIRC309		6434060	4911271	0.87	26	0.26	0.02	0.14	0.03	1.49
SIRC310	BLK			0.01	1	0	0	0	0	0.00
SIRC311		6434060	4911291	0.63	10	0.35	0	0.04	0.01	1.04
SIRC312		6433225	4913410	0.03	12	0.09	0.01	0.06	0.04	0.43
SIRC313		6433260	4913477	0.01	510	0.94	0.09	0.29	0.16	7.05
SIRC314		6433239	4913523	0.01	96	0.39	0.01	0.1	0.03	1.72
SIRC315		6433189	4913582	0.01	68	0.1	0.4	0.03	0.45	1.22
SIRC316		6434181	4911275	2.28	70	0.31	0.03	0.47	0.04	3.65
SIRC317		6433141	4912302	0.03	4	0.01	0	0.01	0	0.11
SIRC318		6433039	4912350	0.01	1	0	0	0	0.01	0.05
SIRC319		6431233	4910506	0.01	1	0	0	0	0	0.02
SIRC320	STD			2.21	94	1.68	0.31	0.01	1.53	5.52
SIRC321		6431232	4910508	0.01	1	0	0	0	0	0.02
SIRC322		6431221	4910472	0.01	1	0	0	0	0	0.02
SIRC323		6431138	4907475	0.01	1	0	0	0	0	0.03
SIRC324		6429080	4912377	0.01	1	0	0	0	0	0.04

Table 2: Soil sampling results

Sample	CTRL	X	Y	Au_g/t	Ag_g/t	Cu_%	Pb_%	Sb_%	Zn_%	AuEq_g/t
CASS0362		6584030	4825922	0	0	0	0	0	0	0
CASS0363		6584140	4825976	0	0	0	0	0	0.01	0.01
CASS0364		6584220	4826022	0.01	0	0.01	0.01	0	0.01	0.03
CASS0365		6584314	4826056	0.01	0	0.01	0.01	0	0.01	0.03
CASS0366		6584403	4826101	0	0	0.01	0.01	0	0.03	0.03
CASS0367		6584463	4826157	0	0	0	0	0	0.01	0.02
CASS0368		6584583	4826179	0	0	0	0.01	0	0.01	0.01
CASS0369		6584681	4826206	0	0	0	0	0	0.02	0.01
CASS0370	STD			0.04	1	0.07	0	0	0.01	0.12
CASS0371		6584771	4826247	0	0	0	0.03	0	0.07	0.05
CASS0372		6584854	4826283	0	0	0	0.03	0	0.02	0.02
CASS0373		6584893	4826373	0	0	0	0.01	0	0.01	0.01
CASS0374		6584950	4826451	0	0	0	0	0	0.01	0.01
CASS0375		6585028	4826514	0	0	0	0	0	0.01	0.01
CASS0376		6585110	4826569	0	0	0	0	0	0.01	0.01
CASS0377		6585202	4826611	0	0	0	0	0	0.01	0.01
CASS0378		6585266	4826681	0	0	0	0	0	0.01	0.01
CASS0379		6585314	4826767	0	0	0	0	0	0.01	0.01
CASS0380	DUP			0	0	0	0	0	0.01	0.01
CASS0381		6585442	4825586	0	0	0.01	0	0	0.01	0.02
CASS0382		6585490	4825592	0	0	0	0.01	0	0.01	0.02
CASS0383		6586049	4827151	0.01	0	0.01	0.01	0	0.01	0.02
CASS0384		6586097	4827062	0	0	0.01	0	0	0.01	0.02
CASS0385		6586118	4826966	0	0	0.01	0	0	0.01	0.02

CASS0386		6586139	4826868	0	0	0.01	0	0	0.01	0.02
CASS0387		6585760	4825609	0.01	0	0	0.06	0	0.01	0.04
CASS0388		6585661	4825612	0.01	0	0	0.02	0	0.01	0.02
CASS0389		6585561	4825611	0	0	0	0.01	0	0.01	0.01
CASS0390	BLK			0.01	0	0	0	0	0	0
CASS0391		6585754	4825730	0	0	0	0	0	0.01	0.01
CASS0392		6585668	4825783	0	0	0	0.01	0	0.01	0.02
CASS0393		6585602	4825837	0	0	0.01	0.01	0	0.01	0.02
CASS0394		6585550	4825878	0	0	0	0	0	0.01	0.02
CASS0395		6583302	4826892	0	0	0	0	0	0.01	0.01
CASS0396		6583336	4826987	0	0	0	0	0	0.01	0.01
CASS0397		6583371	4827080	0	0	0	0	0	0.01	0.01
CASS0398		6583391	4827178	0	0	0	0	0	0.01	0.01
CASS0399		6583398	4827278	0	0	0	0	0	0.01	0.01
CASS0400	STD			0.03	1	0.07	0	0	0.01	0.12
CASS0424		6584911	4826018	0	0	0	0	0	0.01	0.02
CASS0425		6585023	4826055	0.01	0	0	0.01	0	0.01	0.02
CASS0426		6585100	4826088	0	0	0	0	0	0	0
CASS0427		6585181	4826147	0	0	0	0	0	0	0.01
CASS0428		6585365	4826224	0	0	0	0	0	0.01	0.01
CASS0429		6585434	4826289	0	1	0	0.01	0	0.01	0.02
CASS0430	STD			0.04	1	0.06	0	0	0.01	0.12
CASS0431		6585513	4826346	0	0	0	0	0	0.01	0.01
CASS0432		6585605	4826368	0	0	0	0.01	0	0.01	0.01
CASS0433		6585138	4826040	0	0	0	0	0	0.01	0.01
CASS0434		6585227	4826031	0	0	0	0	0	0.01	0.01
CASS0435		6585319	4826012	0	0	0	0	0	0.01	0.01
CASS0436		6585421	4825994	0	0	0	0.01	0	0.01	0.01
CASS0437		6585524	4826007	0	0	0	0	0	0.01	0.01
CASS0438		6585596	4826015	0	0	0	0	0	0.01	0.01
CASS0439		6583009	4827032	0	0	0	0	0	0.01	0.01
CASS0440	DUP			0	0	0	0	0	0.01	0.01
CASS0441		6582950	4827115	0	0	0	0	0	0.01	0.01
CASS0442		6582943	4827212	0	0	0	0	0	0.01	0.01
CASS0443		6582937	4827313	0	0	0	0	0	0.01	0.01
CASS0444		6582911	4827407	0	0	0	0	0	0	0.01
CASS0445		6582857	4827493	0	0	0	0.01	0	0.01	0.01
CASS0446		6582797	4827571	0	0	0	0	0	0.01	0.01
CASS0447		6582732	4827646	0	0	0	0	0	0.01	0.01
CASS0448		6582664	4827719	0	0	0	0	0	0.01	0.01
CASS0449		6582505	4826748	0	0	0	0	0	0.01	0
CASS0450	BLK			0	0	0	0	0	0	0
CASS0451		6582568	4826819	0	0	0	0	0	0.01	0.01
CASS0452		6582650	4826875	0	0	0	0	0	0.01	0.01
CASS0453		6582972	4826917	0	0	0	0	0	0.01	0.01
CASS0454		6582875	4826903	0	0	0	0	0	0.01	0.01

CASS0455		6582776	4826926	0	0	0	0	0	0	0.01
CASS0456		6582720	4826928	0	0	0	0	0	0.01	0.01
CASS0457		6582693	4826967	0	0	0	0	0	0.01	0.01
CASS0458		6582630	4827046	0	0	0	0	0	0.01	0.01
CASS0459		6582581	4827133	0	0	0	0	0	0.01	0.01
CASS0460	STD			0.03	1	0.07	0	0	0.01	0.12
CASS0461		6582533	4827218	0	0	0	0	0	0.01	0.01
CASS0462		6582473	4827300	0	0	0	0	0	0.01	0.01
CASS0463		6582436	4827340	0	0	0	0	0	0.01	0.01
CASS0464		6582153	4825930	0	0	0	0	0	0.01	0.01
CASS0465		6582239	4825965	0	0	0	0	0	0.01	0.01
CASS0466		6582297	4826048	0	0	0	0	0	0	0.01
CASS0467		6582367	4826117	0	0	0	0	0	0.01	0.01
CASS0468		6580772	4826645	0	0	0	0	0	0	0.01
CASS0469		6580866	4826681	0	0	0	0	0	0.01	0.01
CASS0470	DUP			0	0	0	0	0	0.01	0.01
CASS0471		6580946	4826732	0	0	0	0	0	0.01	0.01
CASS0472		6581027	4826787	0	0	0	0	0	0	0.01
CASS0473		6581119	4826816	0	0	0	0	0	0.01	0.01
CASS0474		6581208	4826770	0	0	0	0	0	0.01	0.01
CASS0475		6581403	4826727	0	0	0	0	0	0	0.01
CASS0476		6581508	4826738	0	0	0	0	0	0.01	0.01
CASS0477		6581596	4826764	0	0	0	0	0	0.01	0.01
CASS0478		6581684	4826807	0	0	0	0	0	0.01	0.01
CASS0479		6581771	4826847	0	0	0	0	0	0.01	0.01
CASS0480	BLK			0	0	0	0	0	0	0
CASS0481		6581842	4826772	0	0	0	0	0	0.01	0.01
CASS0482		6581909	4826699	0	0	0	0	0	0.01	0.01
CASS0483		6581955	4826611	0	0	0	0	0	0	0.01
CASS0484		6583350	4825900	0	0	0	0	0	0.01	0.01
CASS0485		6583714	4826019	0	0	0	0	0	0.01	0.01
CASS0486		6583554	4826021	0	0	0	0	0	0.01	0.01
CASS0487		6583428	4825963	0	0	0.01	0	0	0.01	0.01
CASS0488		6583284	4825823	0	0	0	0	0	0.01	0.01
CASS0489		6582385	4825633	0	0	0	0	0	0.01	0.01
CASS0490	STD			0.03	1	0.07	0	0	0.01	0.12
CASS0491		6582454	4825713	0	0	0	0	0	0.01	0.01
CASS0492		6582499	4825794	0	0	0	0	0	0.01	0.01
CASS0493		6582536	4825891	0	0	0	0	0	0.01	0.01
CASS0494		6583947	4825563	0	0	0	0	0	0.01	0.02
CASS0495		6583991	4825642	0	0	0	0	0	0.01	0.01
CASS0496		6583823	4825571	0	0	0	0	0	0.01	0.02
CASS0497		6583736	4825620	0	0	0.01	0	0	0.01	0.02
CASS0498		6583654	4825575	0	0	0.01	0	0	0.01	0.02
CASS0499		6583569	4825528	0.01	0	0.01	0.01	0	0.01	0.02
CASS0500	DUP			0	0	0.01	0.01	0	0.01	0.02

CASS0528		6584507	4826246	0.02	1	0.01	0.01	0	0.01	0.04
CASS0529		6584552	4826336	0	1	0	0.01	0	0.02	0.03
CASS0530	DUP			0	1	0	0.01	0	0.02	0.03
CASS0531		6584620	4826407	0	0	0	0	0	0.01	0.01
CASS0532		6584690	4826481	0	0	0	0.01	0	0.01	0.02
CASS0533		6584769	4826541	0	0	0	0.01	0	0.01	0.01
CASS0534		6584845	4826603	0	0	0	0.01	0	0.01	0.02
CASS0535		6584930	4826658	0	0	0	0	0	0.01	0.01
CASS0536		6585014	4826708	0	0	0	0	0	0.01	0.01
CASS0537		6585109	4826753	0	0	0	0	0	0.01	0.01
CASS0538		6585196	4826795	0	0	0	0	0	0.01	0.01
CASS0539		6585295	4826820	0	0	0	0	0	0.01	0.01
CASS0540	BLK			0	0	0	0	0	0	0
CASS0541		6584964	4826274	0	0	0	0.01	0	0.01	0.02
CASS0542		6585055	4826296	0	0	0	0	0	0.01	0.01
CASS0543		6585133	4826340	0	0	0	0	0	0.01	0.01
CASS0544		6585210	4826406	0.02	0	0.02	0	0	0.01	0.04
CASS0545		6585297	4826462	0	0	0	0	0	0.01	0.01
CASS0546		6585368	4826516	0	0	0.01	0	0	0.02	0.03
CASS0547		6585424	4826601	0	0	0	0	0	0.01	0.01
CASS0548		6583855	4826364	0	0	0	0.01	0	0.01	0.01
CASS0549		6583945	4826411	0	3	0	0.04	0	0	0.05
CASS0550	STD			0.03	1	0.07	0	0	0.01	0.12
CASS0551		6584011	4826462	0	0	0	0.01	0	0	0.01
CASS0552		6583597	4826364	0	0	0	0	0	0.01	0.01
CASS0553		6583526	4826298	0	0	0	0	0	0.01	0.01
CASS0554		6583448	4826241	0	0	0	0	0	0.01	0.01
CASS0555		6583352	4826219	0	0	0	0	0	0.01	0.01
CASS0556		6583258	4826207	0	0	0	0.01	0	0	0.01
CASS0557		6583182	4826249	0	0	0	0	0	0.01	0.01
CASS0558		6583102	4826203	0	0	0	0	0	0.01	0.02
CASS0559		6583008	4826166	0	0	0	0	0	0.01	0.01
CASS0560	DUP			0	0	0	0	0	0	0.01
CASS0561		6582918	4826124	0	0	0	0	0	0.01	0.01
CASS0562		6583406	4827376	0	0	0.01	0.01	0	0.05	0.04
CASS0563		6583442	4827466	0	0	0	0	0	0.01	0.01
CASS0564		6583503	4827546	0	0	0	0	0	0.01	0.01
CASS0565		6583536	4827640	0	0	0	0	0	0	0.01
CASS0566		6583568	4827735	0	0	0	0	0	0.01	0.01
CASS0567		6583587	4827822	0	0	0	0	0	0.01	0.01
CASS0568		6583623	4827912	0	0	0	0	0	0.01	0.01
CASS0569		6582426	4826167	0	0	0	0	0	0.01	0.01
CASS0570	BLK			0	0	0	0	0	0	0
CASS0571		6582076	4825864	0	0	0	0	0	0.01	0.01
CASS0572		6582082	4825962	0	0	0	0	0	0.01	0.01
CASS0573		6582090	4826062	0	0	0	0	0	0.01	0.01

CASS0574		6582103	4826161	0	0	0	0	0	0.01	0.01
CASS0575		6582147	4826247	0	0	0	0	0	0.01	0.01
CASS0576		6582068	4826282	0	0	0	0	0	0.01	0.01
CASS0577		6582185	4826334	0.01	0	0	0	0	0.01	0.02
CASS0578		6582021	4826371	0	0	0	0	0	0.01	0.01
CASS0579		6581988	4826443	0	0	0	0	0	0.01	0.01
CASS0580	STD			0.05	1	0.06	0	0	0.01	0.12
CASS0581		6581976	4826508	0	0	0	0	0	0.01	0.01
CASS0582		6582233	4826422	0	0	0	0	0	0.01	0.01
CASS0583		6582278	4826512	0	0	0	0	0	0.01	0.01
CASS0584		6582310	4826605	0	0	0	0	0	0.01	0.01
CASS0585		6581818	4826934	0	0	0	0	0	0.01	0.01
CASS0586		6581855	4827027	0	0	0	0	0	0.01	0.01
CASS0587		6581914	4827107	0	0	0	0	0	0.01	0.01
CASS0588		6581974	4827187	0	0	0	0	0	0.01	0.01
CASS0589		6582019	4827275	0	0	0	0	0	0.01	0.01
CASS0590	DUP			0	0	0	0	0	0.01	0.01
CASS0591		6582051	4827370	0	0	0	0	0	0.01	0.01
CASS0592		6582091	4827462	0	0	0	0	0	0.01	0.01
CASS0593		6582142	4827544	0	0	0	0	0	0.01	0.01
CASS0594		6582223	4827603	0	0	0	0	0	0.01	0.01
CASS0595		6582319	4827630	0.01	0	0	0	0	0.01	0.01
CASS0596		6582410	4827668	0.01	0	0.01	0	0	0.01	0.02
CASS0597		6582516	4827722	0	0	0	0	0	0.01	0.01
CASS0598		6582831	4825076	0	0	0	0	0	0.01	0.01
CASS0599		6582897	4825151	0	0	0	0	0	0.01	0.01
CASS0600	BLK			0	0	0	0	0	0	0
CASS0639		6584013	4826023	0	0	0	0	0	0.01	0.02
CASS0640	STD			0.03	1	0.06	0	0	0.01	0.12
CASS0641		6583929	4826060	0	0	0	0.01	0	0.02	0.02
CASS0642		6583824	4826079	0	0	0	0	0	0.01	0.01
CASS0643		6583804	4826183	0	0	0	0	0	0.01	0.01
CASS0644		6583773	4826289	0	0	0	0	0	0	0
CASS0645		6583723	4826361	0	0	0	0.01	0	0.04	0.03
CASS0646		6583655	4826438	0	0	0	0	0	0.01	0.01
CASS0647		6583597	4826514	0	0	0	0	0	0.01	0.01
CASS0648		6583699	4826570	0	0	0	0	0	0.01	0.01
CASS0649		6583393	4826718	0	0	0	0	0	0.01	0.01
CASS0650	DUP			0	0	0	0	0	0.01	0.01
CASS0651		6583483	4826677	0	0	0	0	0	0.01	0.01
CASS0652		6583307	4826770	0	0	0	0	0	0.01	0.01
CASS0653		6583224	4826824	0	0	0	0	0	0.01	0.01
CASS0654		6583150	4826890	0	0	0	0	0	0.01	0.01
CASS0655		6583089	4826946	0	0	0	0	0	0.01	0.01
CASS0656		6583111	4827055	0	0	0	0	0	0.01	0.01
CASS0657		6583124	4827153	0	0	0	0	0	0.01	0.01

CASS0658		6583136	4827251	0	0	0	0	0	0.01	0.01
CASS0659		6583152	4827352	0	0	0	0	0	0.01	0.01
CASS0660	BLK			0	0	0	0	0	0	0.01
CASS0661		6583166	4827450	0	0	0	0	0	0.01	0.01
CASS0662		6583181	4827550	0	0	0	0	0	0.01	0.01
CASS0663		6583204	4827647	0	0	0	0	0	0.01	0.01
CASS0664		6583226	4827726	0	0	0	0	0	0.01	0.01
CASS0665		6583246	4827801	0	0	0	0	0	0.01	0.01
CASS0666		6582310	4826704	0	0	0	0	0	0.01	0.01
CASS0667		6583149	4826342	0	0	0	0	0	0.01	0.01
CASS0668		6583056	4826402	0	0	0	0	0	0.01	0.01
CASS0669		6582959	4826444	0	0	0	0	0	0.01	0.01
CASS0670	STD			0.04	1	0.06	0	0	0.01	0.12
CASS0671		6582873	4826483	0	0	0	0	0	0.01	0.01
CASS0672		6582787	4826533	0	0	0	0	0	0.01	0.01
CASS0673		6582699	4826581	0	0	0	0	0	0.01	0.01
CASS0674		6582608	4826624	0	0	0	0	0	0.01	0.01
CASS0675		6582516	4826633	0	0	0	0	0	0.01	0.01
CASS0676		6582475	4826654	0	0	0	0	0	0.01	0.01
CASS0677		6582828	4826076	0	0	0	0	0	0.01	0.01
CASS0678		6582735	4826041	0	0	0	0	0	0.01	0.01
CASS0679		6582638	4826018	0	0	0	0	0	0.01	0.01
CASS0680	DUP			0	0	0	0	0	0.01	0.01
CASS0681		6582581	4826003	0	0	0	0	0	0.01	0.01
CASS0682		6582572	4825981	0	0	0	0	0	0.01	0.01
CASS0683		6581164	4826903	0	0	0	0	0	0.01	0.01
CASS0684		6581243	4826963	0	0	0	0	0	0.01	0.01
CASS0685		6581303	4827040	0	0	0	0	0	0.01	0.01
CASS0686		6581337	4827134	0	0	0	0	0	0	0.01
CASS0687		6581371	4827228	0	0	0	0	0	0.01	0.01
CASS0688		6581429	4827307	0	0	0	0	0	0.01	0.01
CASS0689		6581486	4827390	0	0	0	0	0	0.01	0.01
CASS0690	BLK			0	0	0	0	0	0	0.01
CASS0691		6581562	4827456	0	0	0	0	0	0.01	0.01
CASS0692		6581611	4827544	0	0	0	0	0	0	0.01
CASS0693		6581660	4827631	0	0	0	0	0	0.01	0.01
CASS0694		6581724	4827705	0	0	0.01	0	0	0.01	0.02
CASS0695		6581861	4827850	0	0	0	0	0	0.01	0.01
CASS0696		6581884	4827910	0	0	0	0	0	0.01	0.01
CASS0697		6582585	4825290	0	0	0	0	0	0.01	0.01
CASS0698		6583957	4825168	0	0	0	0	0	0	0.01
CASS0699		6583939	4825266	0	0	0	0	0	0	0.01
CASS0700	STD	6583927	4825381	0.03	1	0.07	0	0	0.01	0.12
CASS0701		6583860	4825457	0	0	0	0	0	0.01	0.01
CASS0702		6583913	4825512	0	0	0	0	0	0.01	0.01
CASS0703		6582660	4825363	0	0	0	0	0	0.01	0.01

CASS0704		6582712	4825439	0	0	0	0	0	0.01	0.01
CASS0705		6582816	4825502	0	0	0	0	0	0.01	0.01
CASS0706		6583003	4825618	0	0	0	0	0	0.01	0.01
CASS0707				0	0	0	0	0	0.01	0.01
CASS0708		6583057	4825642	0	0	0	0	0	0.01	0.01
CASS0709		6583122	4825694	0	0	0	0	0	0.01	0.01
CASS0710	DUP	6583216	4825748	0	0	0	0	0	0.01	0.01
CASS0711		6583046	4824294	0	0	0	0	0	0.01	0.01
CASS0712		6583135	4824352	0	0	0	0	0	0.01	0.01
CASS0713		6583209	4824409	0	0	0	0	0	0.01	0.01
CASS0714		6583267	4824488	0	0	0	0	0	0.01	0.01
CASS0715		6583313	4824578	0	0	0	0	0	0.01	0.01
CASS0716		6583364	4824667	0	0	0	0	0	0.01	0.01
CASS0717				0	0	0	0	0	0.01	0.01
CASS0718		6583428	4824752	0	0	0	0	0	0.01	0.01
CASS0719		6583499	4824827	0	0	0	0	0	0.01	0.01
CASS0720	BLK	6588172	4825341	0	0	0	0	0	0	0.01
CASS0721		6588148	4825238	0	0	0	0	0	0.01	0.01
CASS0722		6588110	4825138	0	0	0	0	0	0.01	0.01
CASS0723		6588010	4825079	0	0	0	0	0	0	0
CASS0724		6587932	4825033	0	0	0	0	0	0	0
CASS0725		6587870	4824949	0	0	0	0	0	0	0
CASS0726		6587838	4824860	0	0	0	0	0	0	0
CASS0727				0	0	0	0	0	0	0
CASS0728		6587843	4824763	0	0	0	0	0	0	0.01
CASS0729		6587779	4824683	0	0	0	0	0	0.01	0.01
CASS0730	STD	6587711	4824612	0.03	1	0.06	0	0	0.01	0.11
CASS0731		6587658	4824538	0	0	0.01	0.01	0	0.01	0.02
CASS0732		6587779	4824683	0	0	0	0	0	0.01	0.01
CASS0733		6587711	4824612	0	0	0	0	0	0.01	0.01
CASS0734		6587658	4824538	0	0	0	0	0	0.01	0.01
CASS0735		6590530	4823628	0	0	0	0	0	0.01	0.01
CASS0736		6590522	4823532	0	0	0	0	0	0.01	0.01
CASS0737		6590453	4823293	0.01	0	0	0	0	0.01	0.02
CASS0738		6590517	4823434	0	0	0	0	0	0.01	0.01
CASS0739		6590490	4823719	0	0	0	0	0	0.01	0.01
CASS0740	DUP			0	0	0	0	0	0.01	0.01
CASS0741		6590446	4823811	0	0	0	0	0	0.01	0.01
CASS0742		6590412	4823887	0	0	0	0	0	0.01	0.01
CASS0743		6590365	4823967	0	0	0	0	0	0.01	0.01
CASS0744		6589734	4822544	0	0	0	0	0	0.01	0.01
CASS0745		6589826	4822563	0	0	0	0	0	0.01	0.01
CASS0746		6589926	4822582	0	0	0	0	0	0.01	0.01
CASS0747		6590021	4822599	0	0	0	0	0	0.01	0.01
CASS0748		6590113	4822641	0.02	1	0	0.04	0	0.03	0.06
CASS0749		6590213	4822658	0	2	0	0.02	0	0.05	0.05

CASS0750	BLK			0	0	0	0	0	0	0.01
CASS0751		6590306	4822685	0	0	0	0	0	0.01	0.01
CASS0752		6590415	4822667	0	0	0	0	0	0.01	0.01
CASS0753		6590603	4824555	0	0	0	0	0	0.01	0.01
CASS0754		6590559	4824646	0	0	0	0	0	0.01	0.01
CASS0755		6590523	4824741	0	0	0	0	0	0	0.01
CASS0756		6590475	4824821	0	0	0	0	0	0.01	0.01
CASS0757		6590342	4824977	0	0	0	0	0	0	0.01
CASS0758		6589155	4823718	0	0	0	0.01	0	0.01	0.02
CASS0759		6589242	4823766	0.02	3	0	0.05	0	0.06	0.09
CASS0760	STD			0.03	1	0.07	0	0	0.01	0.12
CASS0761		6589329	4823816	0.01	2	0	0.03	0	0.05	0.07
CASS0762		6589373	4823903	0.01	1	0	0.01	0	0.04	0.05
CASS0763		6589410	4823993	0	0	0	0	0	0.01	0.01
CASS0764		6589434	4824092	0	0	0	0	0	0.01	0.01
CASS0765		6589459	4824171	0	0	0	0	0	0.01	0.01
CASS0766		6590659	4824482	0	0	0	0	0	0.01	0.02
CASS0767		6583680	4825364	0	0	0	0	0	0.01	0.01
CASS0768		6583606	4825314	0	0	0	0	0	0.01	0.01
CASS0769		6583509	4825287	0	0	0	0	0	0.01	0.01
CASS0770	DUP			0	0	0	0	0	0.01	0.01
CASS0771		6583407	4825250	0	0	0	0	0	0.01	0.01
CASS0772		6584408	4827267	0	0	0	0	0	0.01	0.01
CASS0773		6584475	4827343	0	0	0	0	0	0.01	0.01
CASS0774		6584525	4827428	0	0	0	0	0	0.01	0.01
CASS0775		6584568	4827502	0	0	0	0	0	0.01	0.01
CASS0776		6585785	4827821	0	0	0.01	0.01	0	0.01	0.02
CASS0777		6585624	4827779	0	0	0	0	0	0.01	0.01
CASS0778		6585574	4827739	0	0	0	0	0	0.01	0.01
CASS0779		6585541	4827678	0	0	0	0	0	0.01	0.01
CASS0780	BLK			0	0	0	0	0	0	0.01
CASS0781		6585517	4827572	0	0	0	0	0	0.01	0.01
CASS0782		6585464	4827518	0	0	0	0	0	0.01	0.01
CASS0783		6585397	4827460	0	1	0.01	0.01	0	0.01	0.04
CASS0784		6585003	4827157	0	0	0	0	0	0.01	0.01
CASS0785		6584611	4830955	0	0	0	0	0	0.01	0.01
CASS0786		6584528	4831018	0	0	0	0	0	0.01	0.01
CASS0787		6584484	4831107	0	0	0	0	0	0.01	0.01
CASS0788		6584439	4831196	0.05	0	0.01	0	0	0.02	0.05
CASS0789		6584405	4831291	0	0	0	0	0	0.01	0.01
CASS0790	STD			0.03	1	0.07	0	0	0.01	0.12
CASS0791		6584376	4831385	0	0	0	0	0	0.01	0.01
CASS0792		6584340	4831479	0	0	0	0	0	0.01	0.01
CASS0793		6584314	4831538	0	0	0	0	0	0.01	0.01
CASS0794		6584060	4824157	0	1	0	0.03	0	0.04	0.04
CASS0795		6583960	4824113	0	0	0	0	0	0.01	0.01

CASS0796		6583828	4824119	0	0	0	0.01	0	0.02	0.01
CASS0797		6583846	4824195	0	0	0	0.01	0	0.01	0.02
CASS0798		6583846	4824312	0	0	0	0	0	0.01	0.01
CASS0799		6583860	4824403	0	0	0	0	0	0.01	0.01
CASS0800	DUP			0	0	0	0	0	0.01	0.01
CASS0801		6582964	4825226	0	0	0	0	0	0.01	0.01
CASS0802		6583024	4825304	0	0	0	0	0	0.01	0.01
CASS0803		6583070	4825393	0	0	0	0	0	0.01	0.01
CASS0804		6583117	4825482	0	0	0	0	0	0.01	0.01
CASS0805		6583184	4825521	0	0	0	0	0	0.01	0.01
CASS0806		6582987	4824343	0	0	0	0	0	0.01	0.01
CASS0807		6583021	4824436	0	0	0	0	0	0.01	0.01
CASS0808		6583059	4824528	0	0	0	0	0	0.01	0.01
CASS0809		6583097	4824621	0	0	0	0	0	0.01	0.01
CASS0810	BLK			0	0	0	0	0	0	0.01
CASS0811		6583113	4824718	0	0	0	0	0	0.01	0.01
CASS0812		6583115	4824818	0	0	0	0	0	0.01	0.01
CASS0813		6583138	4824911	0	0	0	0	0	0.01	0.01
CASS0814		6583193	4824994	0	0	0	0	0	0.01	0.01
CASS0815		6583247	4825079	0	0	0	0	0	0.01	0.01
CASS0816		6583292	4825166	0	0	0	0	0	0.01	0.01
CASS0817		6588122	4825037	0	0	0	0	0	0	0
CASS0818		6588147	4824939	0	0	0	0	0	0	0
CASS0819		6588190	4824852	0	0	0	0	0	0.01	0.01
CASS0820	STD			0.03	1	0.06	0	0	0.01	0.11
CASS0821		6588203	4824766	0	0	0	0.01	0	0.01	0.01
CASS0822		6588137	4824692	0	0	0	0	0	0.01	0.01
CASS0823		6588133	4824600	0	0	0	0	0	0.01	0.01
CASS0824		6588155	4824504	0	0	0	0	0	0.01	0.01
CASS0825		6588179	4824406	0	0	0	0	0	0.01	0.01
CASS0826		6588201	4824313	0	0	0	0	0	0.01	0.01
CASS0827		6590620	4823366	0	0	0	0	0	0.01	0.01
CASS0828		6590701	4823425	0	0	0	0	0	0.01	0.01
CASS0829		6590781	4823484	0	0	0	0	0	0	0.01
CASS0830	DUP			0	0	0	0	0	0	0.01
CASS0831		6590868	4823533	0	0	0	0	0	0.01	0.01
CASS0832		6590961	4823567	0	0	0	0	0	0	0
CASS0833		6591020	4823584	0	0	0	0	0	0	0
CASS0834		6591010	4823707	0	0	0	0	0	0	0
CASS0835		6591000	4823807	0	0	0	0	0	0	0
CASS0836		6591010	4823906	0	0	0	0	0	0	0
CASS0837		6591026	4824004	0	0	0	0	0	0	0.01
CASS0838		6591051	4824090	0	0	0	0	0	0.01	0.01
CASS0839		6590344	4823264	0	0	0	0	0	0.01	0.01
CASS0840	BLK			0	0	0	0	0	0	0.01
CASS0841		6590247	4823242	0	0	0	0	0	0.01	0.01

CASS0842		6590184	4823163	0	0	0	0	0	0.01	0.01
CASS0843		6590121	4823087	0	0	0	0	0	0.01	0.01
CASS0844		6590055	4823011	0	1	0	0.03	0	0.03	0.04
CASS0845		6589984	4822941	0	1	0	0.02	0	0.05	0.04
CASS0846		6589913	4822871	0.01	3	0	0.04	0	0.05	0.08
CASS0847		6589842	4822800	0	0	0	0	0	0.01	0.01
CASS0848		6591371	4824656	0.01	0	0.01	0	0	0.01	0.02
CASS0849		6591162	4824499	0	0	0	0	0	0.01	0.01
CASS0850	STD			0.04	1	0.07	0	0	0.01	0.13
CASS0851		6588507	4825514	0	0	0	0	0	0.01	0.01
CASS0852		6588492	4825414	0	0	0	0	0	0.01	0.01
CASS0853		6588476	4825315	0	0	0	0	0	0	0
CASS0854		6588476	4825216	0	0	0	0	0	0	0
CASS0855		6588487	4825118	0	0	0	0	0	0.01	0.01
CASS0856		6588508	4825033	0	0	0	0	0	0	0
CASS0857		6588543	4824952	0	0	0	0	0	0.01	0.01
CASS0858		6590212	4823349	0	0	0	0	0	0.01	0.01
CASS0859		6590178	4823442	0	0	0	0	0	0.01	0.01
CASS0860	DUP			0	0	0	0	0	0.01	0.01
CASS0861		6590140	4823537	0	0	0	0	0	0.01	0.01
CASS0862		6590104	4823630	0	0	0	0	0	0.01	0.01
CASS0863		6590097	4823729	0	0	0	0	0	0.01	0.01
CASS0864		6590094	4823816	0	0	0	0	0	0.01	0.01
CASS0865		6590094	4823912	0	0	0	0	0	0.01	0.01
CASS0866		6590106	4824006	0	0	0	0	0	0.01	0.01
CASS0867		6590117	4824096	0	0	0	0	0	0.01	0.01
CASS0868		6585655	4827986	0	0	0	0	0	0.01	0.02
CASS0869		6585543	4827936	0	0	0	0	0	0.01	0.01
CASS0870	BLK			0	0	0	0	0	0	0.01
CASS0871		6585456	4827936	0	0	0	0	0	0.01	0.01
CASS0872		6585343	4827926	0	0	0	0	0	0.01	0.01
CASS0873		6585247	4827874	0	0	0.01	0	0	0.01	0.01
CASS0874		6585180	4827817	0	0	0	0	0	0.01	0.01
CASS0875		6585091	4827773	0.01	0	0	0	0	0.02	0.02
CASS0876		6585000	4827727	0	0	0.01	0	0	0.01	0.01
CASS0877		6584904	4827710	0	0	0	0	0	0.01	0.01
CASS0878		6584804	4827704	0	0	0	0	0	0.01	0.01
CASS0879		6584713	4827693	0.01	0	0	0	0	0.01	0.02
CASS0880	STD			0.03	1	0.07	0	0	0.01	0.12
CASS0881		6585041	4830706	0	0	0	0	0	0.01	0.01
CASS0882		6585115	4830638	0	0	0	0	0	0.01	0.01
CASS0883		6584965	4830770	0	0	0	0	0	0.01	0.01
CASS0884		6584878	4830819	0	0	0	0	0	0.01	0.01
CASS0885		6584789	4830866	0	0	0	0	0	0.01	0.01
CASS0886		6584700	4830911	0	0	0	0	0	0.01	0.01
CASS0887		6584451	4830974	0	0	0	0	0	0.01	0.01

CASS0888		6584365	4830938	0	0	0	0	0	0.01	0.01
CASS0889		6584291	4830894	0	0	0	0	0	0.01	0.01
CASS0890	DUP			0	0	0	0	0	0.01	0.01
CASS0891		6585419	4832001	0	0	0	0	0	0.01	0.01
CASS0892		6585320	4832015	0	0	0	0.01	0	0.01	0.01
CASS0893		6585223	4832031	0.01	1	0.01	0.02	0	0.05	0.05
CASS0894		6585125	4832052	0	0	0.01	0	0	0.01	0.01
CASS0895		6585027	4832073	0	0	0	0	0	0.01	0.01
CASS0896		6584927	4832084	0	0	0	0	0	0.01	0.01
CASS0897		6584827	4832087	0	0	0.01	0.01	0	0.01	0.02
CASS0898		6584728	4832087	0	0	0	0	0	0.01	0.01
CASS0899		6584617	4832065	0	0	0	0	0	0.01	0.01
CASS0900	BLK			0	0	0	0	0	0	0.01
CASS0901		6583470	4825508	0.01	0	0.01	0	0	0	0.02
CASS0902		6583372	4825518	0	0	0	0	0	0.01	0.01
CASS0903		6583273	4825528	0	0	0	0	0	0.01	0.01
CASS0904		6588284	4825689	0	0	0	0	0	0.01	0.01
CASS0905		6588276	4825596	0	0	0	0	0	0	0.01
CASS0906		6588241	4825514	0	0	0	0.01	0	0.01	0.01
CASS0907		6588180	4825440	0	0	0	0	0	0.01	0.01
CASS0908		6588067	4825430	0	0	0	0	0	0	0.01
CASS0909		6587961	4825419	0	0	0	0	0	0.01	0.01
CASS0910	STD			0.03	1	0.06	0	0	0.01	0.12
CASS0911		6590571	4823208	0	0	0	0	0	0.01	0.01
CASS0912		6590533	4823305	0	0	0	0	0	0.01	0.01
CASS0913		6590617	4823125	0	0	0	0	0	0.01	0.01
CASS0914		6590676	4823041	0	0	0	0	0	0.01	0.01
CASS0915		6590771	4823013	0	0	0	0	0	0.01	0.01
CASS0916		6590863	4822974	0	0	0	0	0	0.01	0.01
CASS0917		6590952	4822943	0	0	0	0	0	0.01	0.01
CASS0918		6590526	4824488	0	0	0	0	0	0	0.01
CASS0919		6590428	4824462	0	1	0	0	0	0	0.01
CASS0920	DUP			0	0	0	0	0	0	0.01
CASS0921		6590337	4824419	0	0	0	0	0	0	0.01
CASS0922		6590261	4824380	0	0	0	0	0	0	0.01
CASS0923		6590190	4824305	0	0	0	0	0	0.01	0.01
CASS0924		6590192	4824236	0	0	0	0	0	0.01	0.01
CASS0925		6589088	4824528	0	0	0	0	0	0.01	0.01
CASS0926		6589029	4824449	0	0	0	0	0	0.01	0.01
CASS0927		6588976	4824365	0	0	0	0	0	0	0.01
CASS0928		6588961	4824265	0	0	0	0	0	0.01	0.01
CASS0929		6588980	4824175	0	0	0	0	0	0.01	0.01
CASS0930	BLK									
CASS0931		6589551	4824629							
CASS0932		6589516	4824537	0	0	0	0	0	0.01	0.01
CASS0933		6589511	4824436	0.01	0	0	0	0	0.01	0.01

CASS0934		6589510	4824336	0	0	0	0	0	0.01	0.01
CASS0935		6588510	4824334	0	0	0	0	0	0.01	0.01
CASS0936		6588461	4824256	0	0	0	0	0	0.01	0.01
CASS0937		6588870	4824975	0	0	0	0	0	0	0
CASS0938		6588771	4824962	0	0	0	0	0	0	0
CASS0939		6588681	4824922	0	0	0	0	0	0	0
CASS0940	STD			0.04	1	0.07	0	0	0.01	0.13
CASS0941		6588615	4824852	0	0	0	0.01	0	0.02	0.02
CASS0942		6583848	4824719	0	0	0	0	0	0.01	0.01
CASS0943		6583751	4824737	0	0	0	0	0	0.01	0.02
CASS0944		6583659	4824776	0	0	0	0	0	0.01	0.01
CASS0945		6583578	4824835	0	0	0	0	0	0.01	0.01
CASS0946		6585728	4827906	0	0	0	0	0	0.01	0.02
CASS0947		6585627	4827863	0	0	0	0	0	0.01	0.01
CASS0948		6585514	4827819	0	0	0	0	0	0.01	0.01
CASS0949		6585425	4827778	0	0	0.03	0	0	0.01	0.04
CASS0950	DUP			0	0	0.01	0	0	0.01	0.02
CASS0951		6585352	4827710	0	0	0	0	0	0.01	0.01
CASS0952		6585287	4827634	0	0	0	0	0	0.01	0.01
CASS0953		6585207	4827583	0	0	0	0	0	0	0
CASS0954		6585112	4827548	0	0	0	0	0	0.01	0.01
CASS0955		6585015	4827517	0	0	0	0	0	0.01	0.01
CASS0956		6584945	4827466	0	0	0	0	0	0.01	0.01
CASS0957		6584881	4827409	0	0	0	0	0	0.01	0.01
CASS0958		6582180	4824274	0	0	0	0	0	0.01	0.01
CASS0959		6582197	4824350	0	0	0	0.01	0	0.01	0.02
CASS0960	BLK			0	0	0	0	0	0	0.01
CASS0961		6582297	4824363	0	0	0	0	0	0.01	0.01
CASS0962		6582353	4824442	0	0	0	0	0	0.01	0.01
CASS0963		6582405	4824527	0	0	0	0	0	0.01	0.01
CASS0964		6582458	4824611	0	0	0	0	0	0.01	0.01
CASS0965		6582509	4824698	0	0	0	0	0	0.01	0.01
CASS0966		6582558	4824785	0	0	0	0	0	0.01	0.01
CASS0967		6582622	4824862	0	0	0	0	0	0.01	0.01
CASS0968		6582694	4824931	0	0	0	0	0	0.01	0.01
CASS0969		6582765	4825001	0	0	0	0	0	0.01	0.01
CASS0970	STD			0.03	1	0.07	0	0	0.01	0.12
CASS0971		6584987	4830253	0	0	0	0	0	0.01	0.01
CASS0972		6584904	4830327	0	0	0	0	0	0.01	0.01
CASS0973		6584818	4830375	0	0	0	0	0	0.01	0.01
CASS0974		6584739	4830438	0	0	0	0	0	0.01	0.01
CASS0975		6584659	4830497	0	0	0	0	0	0.01	0.01
CASS0976		6584578	4830555	0	0	0	0	0	0.01	0.01
CASS0977		6584487	4830598	0	0	0	0	0	0.01	0.01
CASS0978		6584399	4830642	0	0	0	0	0	0.01	0.01
CASS0979		6584326	4830633	0	0	0	0	0	0.01	0.01

CASS0980	DUP			0	0	0	0	0	0.01	0.01
CASS0981		6584271	4830623	0	0	0	0	0	0.01	0.01
CASS0982		6588681	4830134	0	0	0	0.01	0	0.01	0.02
CASS0983		6588770	4830090	0	0	0	0.01	0	0.01	0.02
CASS0984		6588861	4830048	0	0	0	0.01	0	0.01	0.01
CASS0985		6588953	4830011	0	0	0	0	0	0.01	0.01
CASS0986		6589047	4829974	0.01	0	0	0.01	0	0.01	0.02
CASS0987		6589133	4829924	0	0	0	0	0	0.01	0.01
CASS0988		6589070	4830248	0	0	0	0.01	0	0.01	0.02
CASS0989		6589147	4830233	0	0	0	0	0	0.01	0.02
CASS0990	BLK			0.02	0	0	0	0	0	0.02
CASS0991		6587321	4829740	0	0	0	0.01	0	0.02	0.02
CASS0992		6587447	4829738	0	0	0.01	0.01	0	0.02	0.03
CASS0993		6587547	4829737	0	0	0	0.01	0	0.01	0.02
CASS0994		6587629	4829789	0	0	0.01	0.01	0	0.01	0.02
CASS0995		6587711	4829847	0	0	0	0.01	0	0.01	0.02
CASS0996		6587801	4829863	0	0	0.01	0.01	0	0.01	0.02
CASS0997		6587900	4829850	0	0	0.01	0.01	0	0.01	0.02
CASS0998		6587999	4829833	0	0	0	0.01	0	0.01	0.01
CASS0999		6588098	4829843	0	0	0	0.01	0	0.01	0.02
CASS1000	STD			0.03	1	0.06	0	0	0.01	0.12
CASS1001		6590865	4824454	0	0	0	0	0	0.01	0.01
CASS1002		6590749	4824438	0	0	0	0	0	0.01	0.01
CASS1003		6590715	4824329	0	0	0	0	0	0	0
CASS1004		6590692	4824234	0	0	0	0	0	0	0.01
CASS1005		6590706	4824137	0	0	0	0	0	0.01	0.01
CASS1006		6589825	4822891	0.01	1	0	0.01	0	0.02	0.04
CASS1007		6589820	4822993	0.01	2	0	0.01	0	0.03	0.05
CASS1008		6589823	4823090	0.02	2	0.01	0.06	0	0.1	0.11
CASS1009		6589840	4823188	0.01	3	0	0.02	0	0.06	0.08
CASS1010	DUP			0.01	3	0	0.03	0	0.06	0.08
CASS1011		6589857	4823287	0	1	0	0.01	0	0.01	0.02
CASS1012		6589869	4823387	0	0	0	0.01	0	0.01	0.01
CASS1013		6589851	4823485	0	0	0	0.03	0	0.01	0.03
CASS1014		6589834	4823584	0.09	6	0	0.17	0	0.02	0.19
CASS1015		6589818	4823682	0	0	0	0.03	0	0.03	0.03
CASS1016		6589848	4823773	0	0	0	0.01	0	0.02	0.02
CASS1017		6589895	4823858	0	0	0	0	0	0.01	0.01
CASS1018		6589931	4823951	0	0	0	0	0	0.01	0.01
CASS1019		6589933	4824052	0	0	0	0.01	0	0.02	0.01
CASS1020	BLK			0	0	0	0	0	0	0.01
CASS1021		6589927	4824130	0	0	0	0	0	0.01	0.01
CASS1022		6589961	4824195	0	0	0	0	0	0.01	0.01
CASS1023		6590022	4824254	0	0	0	0	0	0.01	0.01
CASS1024		6585830	4827734	0.01	0	0.01	0.01	0	0.02	0.03
CASS1025		6585631	4827691	0	0	0	0	0	0.01	0.01

CASS1026		6585638	4827592	0	0	0	0	0	0.01	0.01
CASS1027		6585640	4827492	0	0	0	0	0	0.01	0.01
CASS1028		6585620	4827395	0	0	0	0	0	0.01	0.01
CASS1029		6585595	4827299	0	0	0	0	0	0.01	0.01
CASS1030	STD			0.03	1	0.07	0	0	0.01	0.13
CASS1031		6585570	4827201	0	0	0	0	0	0	0.01
CASS1032		6585535	4827106	0	0	0	0	0	0.01	0.01
CASS1033		6585494	4827046	0	0	0.01	0.01	0	0.01	0.02
CASS1034		6585425	4826942	0	0	0	0	0	0.01	0.01
CASS1035		6585111	4828100	0	0	0	0	0	0	0.01
CASS1036		6585026	4828050	0	0	0	0	0	0.01	0.01
CASS1037		6584938	4828001	0	0	0.01	0	0	0.01	0.03
CASS1038		6584844	4827967	0.01	0	0	0	0	0.01	0.01
CASS1039		6584748	4827936	0	0	0	0	0	0.01	0.01
CASS1040	DUP			0	0	0	0	0	0.01	0.01
CASS1041		6584688	4827914	0.01	0	0	0	0	0.01	0.01
CASS1042		6584818	4828237	0	0	0	0	0	0	0.01
CASS1043		6584733	4828185	0	0	0	0	0	0	0.01
CASS1044		6584646	4828133	0	0	0	0	0	0.01	0.01
CASS1045		6584570	4828085	0	0	0	0	0	0.01	0.01
CASS1046		6583800	4824065	0	0	0	0	0	0.01	0.01
CASS1047		6583756	4824014	0	0	0	0	0	0	0.01
CASS1048		6583665	4823977	0	0	0	0	0	0	0
CASS1049		6583577	4824007	0	0	0	0.01	0	0.03	0.02
CASS1050	BLK			0	0	0	0	0	0	0.01
CASS1051		6583489	4824055	0	0	0	0	0	0.01	0.02
CASS1052		6583400	4824101	0	0	0	0	0	0.01	0.01
CASS1053		6582135	4825112	0	0	0	0	0	0.01	0.01
CASS1054		6582185	4825198	0	0	0	0	0	0.01	0.01
CASS1055		6582209	4825292	0	0	0	0	0	0.01	0.01
CASS1056		6582224	4825391	0	0	0	0	0	0.01	0.01
CASS1057		6582253	4825484	0	0	0	0	0	0.01	0.01
CASS1058		6582317	4825562	0	0	0	0	0	0.01	0.01
CASS1059		6585965	4831016	0	0	0	0	0	0.01	0.01
CASS1060	STD			0.04	1	0.07	0	0	0.01	0.13
CASS1061		6585924	4830924	0	0	0	0	0	0.01	0.01
CASS1062		6585862	4830855	0	0	0	0	0	0.01	0.01
CASS1063		6585776	4830805	0	0	0	0	0	0	0.01
CASS1064		6585687	4830759	0	0	0	0	0	0.01	0.01
CASS1065		6585598	4830709	0	0	0	0	0	0.01	0.01
CASS1066		6585511	4830661	0	0	0	0	0	0.01	0.01
CASS1067		6585421	4830625	0	0	0	0	0	0.01	0.01
CASS1068		6585323	4830600	0	0	0	0	0	0.01	0.01
CASS1069		6585204	4830569	0	0	0	0	0	0.01	0.01
CASS1070	DUP			0	0	0	0	0	0.01	0.01
CASS1071		6585165	4830503	0	0	0	0	0	0.01	0.01

CASS1072		6585126	4830411	0	0	0	0	0	0.01	0.01
CASS1073		6585068	4830332	0	0	0	0	0	0.01	0.01
CASS1074		6588390	4830226	0	0	0	0	0	0.01	0.01
CASS1075		6588483	4830211	0	0	0	0	0	0.01	0.02
CASS1076		6588583	4830195	0	0	0	0.01	0	0.01	0.02
CASS1077		6588679	4830193	0	0	0	0.01	0	0.01	0.02
CASS1078		6588775	4830219	0	0	0.01	0.01	0	0.02	0.02
CASS1079		6588871	4830248	0	0	0	0.01	0	0.01	0.01
CASS1080	BLK			0	0	0	0	0	0	0.01
CASS1081		6588970	4830257	0	0	0	0	0	0.01	0.01
CASS1082		6589087	4830320	0	0	0	0	0	0.01	0.01
CASS1083		6589148	4830399	0	0	0	0	0	0.01	0.01
CASS1084		6589227	4830449	0	0	0	0	0	0.01	0.01
CASS1085		6587274	4829645	0	0	0	0.01	0	0.02	0.02
CASS1086		6587392	4829654	0	0	0.01	0.01	0	0.03	0.03
CASS1087		6587453	4829575	0	0	0.01	0.01	0	0.02	0.03
CASS1088		6587541	4829529	0	0	0.01	0.01	0	0.01	0.02
CASS1089		6587631	4829498	0	0	0.01	0.01	0	0.02	0.02
CASS1090	STD			0.03	1	0.07	0	0	0.01	0.12
CASS1091		6587729	4829464	0	0	0.01	0.01	0	0.01	0.02
CASS1092		6587819	4829434	0	0	0.01	0.01	0	0.02	0.03
CASS1093		6587920	4829406	0	0	0.01	0.01	0	0.02	0.02
CASS1094		6588015	4829378	0	0	0.01	0.01	0	0.02	0.03
CASS1095		6588111	4829346	0	0	0.01	0.01	0	0.02	0.03
CASS1096		6588197	4829300	0	0	0.01	0.01	0	0.02	0.02
CASS1097		6588274	4829235	0.01	0	0.01	0.01	0	0.01	0.02
CASS1098		6588351	4829170	0.01	0	0.01	0.01	0	0.01	0.03
CASS1099		6588421	4829115	0	0	0.01	0.01	0	0.01	0.02
CASS1100	DUP			0	0	0.01	0.01	0	0.01	0.02
CASS1101		6584505	4832048	0	0	0	0	0	0.01	0.01
CASS1102		6582112	4824244	0	0	0	0	0	0.01	0.01
CASS1103		6582092	4824321	0	0	0	0	0	0.01	0.01
CASS1104		6582119	4824443	0	0	0	0.01	0	0.01	0.01
CASS1105		6582135	4824541	0	0	0	0	0	0.01	0.01
CASS1106		6582154	4824641	0	0	0	0.01	0	0.01	0.01
CASS1107		6582170	4824738	0	0	0	0	0	0.01	0.01
CASS1108		6582209	4824827	0	0	0	0	0	0.01	0.01
CASS1109		6582269	4824907	0	0	0	0	0	0.01	0.01
CASS1110	BLK			0	0	0	0	0	0	0.01
CASS1111		6582328	4824988	0	0	0	0	0	0.01	0.01
CASS1112		6582386	4825069	0	0	0	0	0	0.01	0.01
CASS1113		6582454	4825144	0	0	0	0	0	0.01	0.01
CASS1114		6582522	4825218	0	0	0	0	0	0.01	0.01
CASS1115		6584958	4830173	0	0	0	0	0	0.01	0.01
CASS1116		6584895	4830109	0	0	0	0	0	0.01	0.01
CASS1117		6584796	4830106	0	0	0.01	0	0	0.01	0.02

CASS1118		6584701	4830132	0	0	0	0	0	0.01	0.01
CASS1119		6584603	4830156	0	0	0	0	0	0.01	0.01
CASS1120	STD			0.05	1	0.07	0	0	0.01	0.13
CASS1121		6584504	4830177	0	0	0	0	0	0.01	0.01
CASS1122		6584412	4830178	0	0	0	0	0	0.01	0.01
CASS1123		6584307	4830172	0	0	0	0	0	0.01	0.01
CASS1124		6584208	4830162	0	0	0	0	0	0.01	0.01
CASS1125		6584108	4830150	0	0	0	0	0	0.01	0.01
CASS1126		6588367	4830284	0	0	0	0	0	0.01	0.01
CASS1127		6588463	4830314	0	0	0	0	0	0.01	0.01
CASS1128		6588559	4830343	0	0	0	0.01	0	0.01	0.02
CASS1129		6588655	4830373	0	0	0	0.01	0	0.01	0.02
CASS1130	DUP			0	0	0	0.01	0	0.01	0.01
CASS1131		6588746	4830413	0	0	0	0.01	0	0.01	0.02
CASS1132		6588838	4830451	0	0	0	0.01	0	0.02	0.02
CASS1133		6588929	4830492	0	0	0	0.01	0	0.01	0.01
CASS1134		6589002	4830558	0	0	0.01	0.01	0	0.02	0.02
CASS1135		6589076	4830627	0	0	0	0.01	0	0.01	0.02
CASS1136		6587889	4829513	0	0	0.01	0.01	0	0.02	0.03
CASS1137		6587966	4829576	0	0	0.01	0.01	0	0.03	0.03
CASS1138		6588044	4829637							
CASS1139		6588140	4829657	0	0	0.01	0.01	0	0.02	0.02
CASS1140	BLK			0.02	0	0	0	0	0	0.02
CASS1141		6588241	4829667	0	0	0	0	0	0.01	0.02
CASS1142		6588339	4829678	0	0	0	0	0	0.01	0.02
CASS1143		6588434	4829666	0	0	0	0.01	0	0.02	0.02
CASS1144		6588522	4829619	0	0	0	0	0	0.01	0.02
CASS1145		6588611	4829574	0	0	0	0	0	0.01	0.02
CASS1146		6588700	4829529	0	0	0	0	0	0.01	0.02
CASS1147		6588776	4829489	0	0	0.01	0.01	0	0.02	0.02
CASS1148		6588844	4829459	0	0	0.01	0.01	0	0.02	0.03
CASS1149		6589284	4829794	0	0	0.01	0	0	0.01	0.01
CASS1150	STD			0.03	1	0.06	0	0	0.01	0.11
CASS1151		6589210	4829860	0	0	0	0	0	0.01	0.01
CASS1152		6589323	4830179	0	0	0	0	0	0.01	0.01
CASS1153		6589244	4830204	0	0	0	0.01	0	0.01	0.02
CASS1154		6582563	4828064	0	0	0	0	0	0.01	0.01
CASS1155		6582645	4828010	0	0	0	0	0	0.01	0.01
CASS1156		6582725	4827949	0	0	0	0	0	0.01	0.01
CASS1157		6582818	4827913	0	0	0	0	0	0.01	0.01
CASS1158		6582910	4828208	0	0	0	0	0	0.01	0.01
CASS1159		6582921	4828112	0	0	0	0	0	0.01	0.01
CASS1160	DUP			0	0	0	0	0	0.01	0.01
CASS1161		6582910	4828010	0	0	0	0	0	0.01	0.01
CASS1162		6582900	4827912	0.01	0	0	0	0	0.01	0.02
CASS1163		6590317	4830641	0	0	0.01	0.01	0	0.02	0.03

CASS1164		6590291	4830737	0	0	0.01	0.01	0	0.02	0.03
CASS1165		6590234	4830818	0	0	0.01	0.01	0	0.02	0.02
CASS1166		6590172	4830897	0	0	0	0.01	0	0.03	0.03
CASS1167		6590101	4830967	0	0	0	0	0	0.01	0.02
CASS1168		6590033	4831038	0	0	0	0	0	0	0
CASS1169		6590084	4831128	0	0	0	0	0	0.01	0.01
CASS1170	BLK			0	0	0	0	0	0	0.01
CASS1171		6590132	4831216	0	0	0	0	0	0.01	0.01
CASS1172		6590145	4831314	0	0	0.01	0	0	0.01	0.02
CASS1173		6590187	4831403	0	0	0	0.01	0	0.02	0.02
CASS1174		6590230	4831468	0	0	0	0.01	0	0.02	0.02
CASS1175		6589382	4831979	0	0	0	0	0	0.01	0.01
CASS1176		6589319	4831900	0	0	0	0	0	0.01	0.02
CASS1177		6589047	4831420	0	0	0	0	0	0.01	0.01
CASS1178		6589127	4831484	0	0	0	0.01	0	0.01	0.02
CASS1179		6589208	4831540	0	0	0	0.01	0	0.01	0.02
CASS1180	STD			0.03	1	0.06	0	0	0.01	0.11
CASS1181		6586168	4830288	0	0	0	0	0	0	0.01
CASS1182		6586084	4830235	0	0	0	0	0	0	0.01
CASS1183		6585985	4830219	0	0	0	0	0	0	0.01
CASS1184		6585888	4830195	0	0	0	0	0	0	0.01
CASS1185		6585794	4830162	0	0	0	0	0	0	0.01
CASS1186		6585718	4830100	0	0	0	0	0	0.01	0.01
CASS1187		6585649	4830029	0	0	0	0	0	0.01	0.01
CASS1188		6585581	4829958	0	0	0.01	0	0	0.01	0.02
CASS1189		6585516	4829879	0	0	0	0	0	0.01	0.01
CASS1190	DUP			0	0	0	0	0	0.01	0.01
CASS1191		6585451	4829802	0	0	0	0	0	0.01	0.01
CASS1192		6585389	4829724	0	0	0	0	0	0.01	0.01
CASS1193		6585326	4829647	0	0	0	0	0	0.01	0.01
CASS1194		6585236	4829601	0	0	0	0	0	0.01	0.01
CASS1195		6585147	4829558	0	0	0	0	0	0.01	0.01
CASS1196		6585054	4829516	0	0	0	0	0	0.01	0.01
CASS1197		6584966	4829473	0	0	0	0	0	0.01	0.01
CASS1198		6584875	4829429	0.01	0	0.02	0.01	0	0.03	0.05
CASS1199		6584779	4829438	0	0	0	0	0	0.01	0.02
CASS1200	BLK			0	0	0	0	0	0	0.01
CASS1201		6584130	4824217	0	0	0	0.01	0	0.02	0.02
CASS1202		6584186	4824271	0	0	0	0	0	0.01	0.01
CASS1203		6584376	4823920	0	0	0	0	0	0.01	0.02
CASS1204		6584452	4823984	0	0	0	0	0	0.01	0.02
CASS1205		6584525	4824048	0	0	0	0.01	0	0.01	0.02
CASS1209		6587224	4829554	0	0	0.01	0.01	0	0.02	0.03
CASS1210	STD			0.03	1	0.06	0	0	0.01	0.12
CASS1211		6587180	4829464	0	0	0	0	0	0.01	0.02
CASS1212		6587135	4829375	0	0	0.01	0.01	0	0.01	0.02

CASSI213		6587089	4829286	0	0	0.01	0.01	0	0.01	0.02
CASSI214		6587021	4829392	0	0	0.01	0.01	0	0.01	0.02
CASSI215		6586948	4829463	0	0	0.01	0.01	0	0.02	0.02
CASSI216		6587037	4829199	0	0	0.01	0.01	0	0.02	0.02
CASSI217		6587182	4829243	0	0	0.01	0.01	0	0.02	0.02
CASSI218		6587271	4829190	0	0	0	0.01	0	0.01	0.01
CASSI219		6587358	4829137	0	0	0	0	0	0.01	0.01
CASSI220	DUP			0	0	0	0	0	0.01	0.01
CASSI221		6587443	4829086	0	0	0	0	0	0.01	0.01
CASSI222		6587529	4829035	0	0	0	0	0	0.01	0.01
CASSI223		6587617	4828993	0	0	0	0	0	0.01	0.01
CASSI224		6587713	4828955	0	0	0	0	0	0.01	0.01
CASSI225		6587806	4828917	0	0	0	0	0	0.01	0.01
CASSI226		6587886	4828870	0	0	0	0	0	0.01	0.02
CASSI227		6591866	4829654	0	0	0	0	0	0.01	0.01
CASSI228		6591766	4829660	0	0	0	0	0	0.01	0.01
CASSI229		6591666	4829667	0	0	0	0	0	0.01	0.01
CASSI230	BLK			0	0	0	0	0	0	0.01
CASSI231		6591569	4829687	0	0	0	0	0	0.01	0.01
CASSI232		6591472	4829713	0	0	0	0	0	0.01	0.01
CASSI233		6591380	4829699	0	0	0	0	0	0.01	0.01
CASSI234		6591284	4829662	0	0	0	0	0	0.01	0.01
CASSI235		6591191	4829624	0	0	0	0	0	0.01	0.01
CASSI236		6591092	4829623	0	0	0	0	0	0.01	0.01
CASSI237		6590992	4829624	0	0	0	0	0	0.01	0.01
CASSI238		6590893	4829636	0	0	0	0	0	0.01	0.01
CASSI239		6590811	4829643	0	0	0	0	0	0.01	0.01
CASSI240	STD			0.03	1	0.06	0	0	0.01	0.12
CASSI241		6590695	4829654	0	0	0	0	0	0.01	0.01
CASSI242		6583973	4823375	0	0	0	0	0	0.01	0.01
CASSI243		6583887	4823336	0	0	0.01	0	0	0.01	0.01
CASSI244		6583791	4823294	0	0	0	0	0	0.01	0.01
CASSI245		6583718	4823229	0	0	0	0	0	0	0
CASSI246		6583654	4823156	0	0	0	0	0	0.01	0.01
CASSI247		6583486	4823076	0	0	0	0	0	0.01	0.01
CASSI248		6583585	4823080	0	0	0	0	0	0.01	0.01
CASSI249		6583382	4823076	0	0	0	0	0	0.01	0.01
CASSI250	DUP			0	0	0	0	0	0.01	0.01
CASSI251		6583290	4823060	0	0	0	0	0	0.01	0.01
CASSI252		6584076	4823958	0	0	0	0	0	0.01	0.01
CASSI253		6584034	4824055	0	0	0	0	0	0.01	0.01
CASSI254		6582968	4824239	0	0	0	0	0	0.01	0.01
CASSI255		6582884	4824184	0	0	0	0	0	0.01	0.01
CASSI256		6582790	4824149	0	0	0	0	0	0.01	0.01
CASSI257		6582684	4824136	0	0	0	0	0	0.01	0.01
CASSI258		6582543	4824107	0	0	0	0.01	0	0.01	0.01

CASSI259		6582630	4824059	0	0	0	0	0	0.01	0.01
CASSI260	BLK			0	0	0	0	0	0	0.01
CASSI261		6582743	4823959	0	0	0	0	0	0.01	0.01
CASSI262		6582870	4823532	0	0	0	0	0	0.01	0.01
CASSI263		6582927	4823449	0	0	0	0	0	0.01	0.01
CASSI264		6582968	4823359	0	0	0	0	0	0.01	0.01
CASSI265		6583005	4823265	0	0	0	0	0	0.01	0.01
CASSI266		6583033	4823169	0	0	0	0	0	0.01	0.01
CASSI267		6583051	4823090	0	0	0	0	0	0.01	0.01
CASSI268		6585811	4831312	0	1	0	0.01	0.01	0.02	0.04
CASSI269		6585711	4831315	0	0	0	0	0	0.01	0.01
CASSI270	STD			0.03	1	0.06	0	0	0.01	0.11
CASSI271		6585611	4831321	0	0	0	0	0	0.01	0.01
CASSI272		6585513	4831334	0.01	0	0	0	0	0.02	0.02
CASSI273		6585411	4831349	0.01	0	0	0	0	0.01	0.02
CASSI274		6585314	4831359	0	0	0	0	0	0.01	0.01
CASSI275		6585216	4831379	0.01	0	0.01	0.01	0	0.01	0.03
CASSI276		6585118	4831402	0	0	0	0	0	0.01	0.01
CASSI277		6585023	4831431	0	0	0	0	0	0.01	0.01
CASSI278		6584931	4831471	0	0	0	0	0	0.01	0.01
CASSI279		6583437	4830333	0	0	0	0	0	0.01	0.01
CASSI280	DUP			0	0	0	0	0	0.01	0.01
CASSI281		6583498	4830252	0	0	0	0	0	0.01	0.01
CASSI282		6583567	4830183	0	0	0	0	0	0.01	0.01
CASSI283		6583659	4830142	0	0	0	0	0	0.01	0.01
CASSI284		6583750	4830102	0	0	0	0	0	0.01	0.01
CASSI285		6583827	4830039	0	0	0	0	0	0.01	0.01
CASSI286		6583906	4829975	0	0	0	0	0	0.01	0.01
CASSI287		6584563	4828528	0	0	0	0	0	0.01	0.01
CASSI288		6584490	4828458	0	0	0	0	0	0.01	0.01
CASSI289		6584430	4828399	0	0	0.01	0	0	0.01	0.02
CASSI290	BLK			0	0	0	0	0	0	0.01
CASSI291		6582235	4828264	0	0	0	0	0	0.01	0.01
CASSI292		6582291	4828192	0	0	0	0	0	0.01	0.01
CASSI293		6582379	4828143	0	0	0	0	0	0.01	0.01
CASSI294		6582471	4828107	0	0	0	0	0	0.01	0.01
CASSI295		6584681	4829456	0	0	0	0	0	0.01	0.01
CASSI296		6584593	4829500	0	0	0	0	0	0.01	0.01
CASSI297		6584505	4829552	0	0	0	0	0	0.01	0.01
CASSI298		6584417	4829598	0	0	0	0	0	0.01	0.01
CASSI299		6584327	4829637	0	0	0	0	0	0.01	0.01
CASSI300	STD			0.03	1	0.06	0	0	0.01	0.11
CASSI301		6588495	4829037	0.01	0	0.01	0	0	0.01	0.02
CASSI302		6588562	4828962	0.01	0	0.01	0	0	0.01	0.02
CASSI303		6588029	4830799	0	0	0.01	0.01	0	0.02	0.02
CASSI304		6588116	4830847	0	0	0	0	0	0.01	0.01

CASSI305		6588203	4830893	0	0	0	0	0	0.01	0.01
CASSI306		6588296	4830936	0	0	0	0	0	0.01	0.01
CASSI307		6588386	4830979	0	0	0	0	0	0.01	0.01
CASSI308		6588479	4831021	0	0	0	0	0	0.01	0.01
CASSI309		6588568	4831064	0	0	0	0	0	0.01	0.02
CASSI310	DUP			0	0	0	0	0	0.01	0.02
CASSI311		6588651	4831119	0	0	0	0.01	0	0.01	0.02
CASSI312		6588731	4831177	0	0	0	0	0	0.01	0.01
CASSI313		6588814	4831236	0	0	0.01	0.01	0	0.01	0.02
CASSI314		6588895	4831295	0	0	0	0	0	0.01	0.01
CASSI315		6588971	4831356	0	0	0	0	0	0.01	0.01
CASSI316		6585233	4828566	0	0	0	0	0	0.01	0.01
CASSI317		6585133	4828558	0.01	0	0	0	0	0	0.01
CASSI318		6585035	4828550	0	0	0	0	0	0.01	0.01
CASSI319		6584934	4828561	0	0	0	0	0	0.01	0.01
CASSI320	BLK			0	0	0	0	0	0	0.01
CASSI321		6584835	4828572	0	0	0	0	0	0.01	0.01
CASSI322		6584737	4828582	0	0	0	0	0	0.01	0.01
CASSI323		6584637	4828590	0	0	0	0	0	0.01	0.01
CASSI324		6584546	4828666	0	0	0	0	0	0.01	0.01
CASSI325		6584469	4828727	0	0	0	0	0	0.01	0.01
CASSI326		6584370	4828790	0	0	0	0	0	0.01	0.01
CASSI327		6584266	4828838	0	0	0	0	0	0.01	0.01
CASSI328		6582404	4823722	0	0	0	0	0	0.01	0.01
CASSI329		6582453	4823636	0	0	0	0	0	0.01	0.01
CASSI330	STD			0.03	1	0.06	0	0	0.01	0.12
CASSI331		6582505	4823550	0	0	0	0	0	0.01	0.01
CASSI332		6582541	4823454	0	0	0	0	0	0.01	0.01
CASSI333		6582588	4823382	0	0	0	0	0	0.01	0.01
CASSI334		6582575	4823297	0	0	0	0	0	0.01	0.01
CASSI335		6582657	4823457	0	0	0	0	0	0.01	0.01
CASSI336		6582723	4823531	0	0	0	0	0	0.01	0.01
CASSI337		6583194	4823420	0	0	0	0	0	0.01	0.01
CASSI338		6583235	4823279	0	0	0	0	0	0.01	0.01
CASSI339		6582756	4830736	0	0	0	0	0	0.01	0.01
CASSI340	DUP			0	0	0	0	0	0	0.01
CASSI341		6582709	4830648	0	0	0	0	0	0	0.01
CASSI342		6582660	4830561	0.01	0	0	0	0	0.01	0.02
CASSI343		6582577	4830507	0.01	0	0	0	0	0.01	0.01
CASSI344		6582495	4830450	0.02	0	0	0.01	0.03	0.01	0.09
CASSI345		6582672	4830234	0	0	0	0	0	0.01	0.01
CASSI346		6582594	4830175	0.01	0	0	0	0	0.01	0.02
CASSI347		6582544	4830109	0	0	0	0	0	0.01	0.01
CASSI348		6582499	4830049	0	0	0	0	0	0.01	0.01
CASSI349		6583065	4829964	0	0	0	0	0	0.01	0.01
CASSI350	BLK			0	0	0	0	0	0	0.01

CASSI351		6582998	4829916	0	0	0	0	0	0.01	0.01
CASSI352		6582903	4829850	0	0	0	0	0	0.01	0.01
CASSI353		6582832	4829781	0	0	0	0	0	0.01	0.01
CASSI354		6583684	4831207	0	0	0	0	0	0.01	0.01
CASSI355		6583784	4831203	0	0	0	0	0	0.01	0.01
CASSI356		6583883	4831207	0	0	0	0	0	0.01	0.01
CASSI357		6583981	4831230	0	0	0	0	0	0.01	0.01
CASSI358		6584078	4831248	0	0	0	0	0	0.01	0.01
CASSI359		6584129	4831252	0	0	0	0	0	0.01	0.01
CASSI360	STD			0.03	1	0.04	0	0	0	0.08
CASSI361		6583697	4831494	0	0	0	0	0	0.01	0.01
CASSI362		6583792	4831460	0	0	0	0	0	0	0.01
CASSI363		6583886	4831430	0	0	0	0	0	0.01	0.01
CASSI364		6583985	4831424	0	0	0	0	0	0.01	0.01
CASSI365		6584087	4831416	0	0	0	0	0	0.01	0.01
CASSI366		6582309	4828402	0	0	0	0	0	0.01	0.01
CASSI367		6582410	4828415	0	0	0.01	0	0	0.01	0.01
CASSI368		6582525	4828387	0	0	0	0	0	0	0.01
CASSI369		6582613	4828349	0.01	0	0	0	0	0.01	0.01
CASSI370	DUP			0.01	0	0	0	0	0.01	0.01
CASSI371		6582714	4828339	0	0	0	0	0	0.01	0.01
CASSI372		6582804	4828337	0	0	0	0	0	0.01	0.01
CASSI373		6582891	4828318	0	0	0	0	0	0.01	0.01
CASSI374		6583010	4828298	0	0	0	0	0	0.01	0.01
CASSI375		6583105	4828260	0	0	0	0	0	0.01	0.01
CASSI376		6583206	4828274	0	0	0	0	0	0.01	0.01
CASSI377		6583295	4828318	0	0	0	0	0	0.01	0.01
CASSI378		6589634	4832282	0	0	0	0	0	0.01	0.01
CASSI379		6589553	4832223	0	0	0	0	0	0.01	0.01
CASSI380	BLK			0	0	0	0	0	0	0.01
CASSI381		6589490	4832146	0	0	0	0	0	0.01	0.01
CASSI382		6589443	4832058	0	0	0	0	0	0.01	0.01
CASSI383		6591302	4831232	0	0	0	0	0	0.01	0.01
CASSI384		6591206	4831259	0.01	0	0	0	0	0.01	0.01
CASSI385		6591109	4831284	0	0	0	0	0	0.01	0.01
CASSI386		6591014	4831310	0	0	0	0	0	0.01	0.02
CASSI387		6590916	4831325	0	0	0	0	0	0.01	0.01
CASSI388		6590815	4831331	0	0	0	0	0	0.01	0.02
CASSI389		6590714	4831334	0	0	0	0	0	0.01	0.01
CASSI390	STD			0.03	1	0.06	0	0	0.01	0.12
CASSI391		6590615	4831336	0	0	0	0	0	0.01	0.01
CASSI392		6590521	4831364	0	0	0	0	0	0.01	0.01
CASSI393		6590427	4831403	0	0	0	0	0	0.01	0.01
CASSI394		6590335	4831390	0	0	0	0	0	0.01	0.02
CASSI395		6587098	4829933	0	0	0.01	0	0	0.01	0.02
CASSI396		6587015	4829988	0	0	0	0	0	0.01	0.01

CASS1397		6586931	4830045	0	0	0	0	0	0.01	0.01
CASS1398		6586851	4830102	0	0	0	0	0	0.01	0.01
CASS1399		6586767	4830155	0	0	0	0	0	0.01	0.01
CASS1400	DUP			0	0	0	0	0	0.01	0.01
CASS1401		6588193	4829867	0	0	0	0.01	0	0.01	0.02
CASS1402		6588287	4829891	0	0	0	0	0	0.01	0.02
CASS1403		6588383	4829851	0	0	0	0	0	0.01	0.02
CASS1404		6588476	4829813	0	0	0	0	0	0.01	0.01
CASS1405		6588567	4829775	0	0	0	0	0	0.01	0.01
CASS1406		6588659	4829735	0	0	0	0	0	0.01	0.01
CASS1407		6587010	4829132	0	0	0.01	0.01	0	0.02	0.02
CASS1408		6586888	4829090	0	0	0.01	0.01	0	0.02	0.03
CASS1409		6586795	4829047	0	0	0.01	0	0	0.01	0.02
CASS1410	BLK			0	0	0	0	0	0	0.01
CASS1411		6586702	4829007	0	0	0.01	0.01	0	0.02	0.02
CASS1412		6586611	4828964	0	0	0.01	0.01	0	0.02	0.03
CASS1413		6586531	4828906	0.01	0	0.01	0.01	0	0.03	0.03
CASS1414		6586448	4828850	0	0	0.01	0	0	0.01	0.02
CASS1415		6588475	4830961	0	0	0	0	0	0.01	0.01
CASS1416		6588575	4830955	0	0	0	0	0	0.01	0.01
CASS1417		6588675	4830952	0	0	0	0	0	0.01	0.01
CASS1418		6588774	4830947	0	0	0	0	0	0.01	0.01
CASS1419		6588875	4830945	0	0	0	0.01	0	0.01	0.02
CASS1420	STD			0.03	1	0.07	0	0	0.01	0.12
CASS1421		6588974	4830952	0	0	0	0.01	0	0.01	0.02
CASS1422		6589076	4830943	0	0	0	0	0	0.01	0.02
CASS1423		6589174	4830955	0	0	0	0	0	0.01	0.01
CASS1424		6589257	4830929	0	0	0	0.01	0	0.01	0.01
CASS1425		6589299	4830881	0	0	0	0.01	0	0.01	0.01
CASS1426		6589151	4830695	0	0	0	0.01	0	0.01	0.02
CASS1427		6589221	4830764	0	0	0	0.01	0	0.01	0.02
CASS1428		6589285	4830824	0	0	0	0	0	0.01	0.01
CASS1429		6582960	4823639	0	0	0	0	0	0.01	0.01
CASS1430	DUP			0	0	0	0	0	0.01	0.01
CASS1431		6583040	4823579	0	0	0	0	0	0.01	0.01
CASS1432		6583117	4823520	0	0	0	0	0	0.01	0.01
CASS1433		6582724	4824027	0	0	0	0.01	0	0.01	0.01
CASS1434		6582820	4824010	0	0	0	0	0	0.01	0.01
CASS1435		6582921	4824009	0	0	0	0	0	0.01	0.01
CASS1436		6583021	4824020	0	0	0	0	0	0.01	0.01
CASS1437		6583114	4824054	0	0	0	0	0	0.01	0.01
CASS1438		6583206	4824092	0	0	0	0	0	0.01	0.01
CASS1439		6583302	4824112	0	0	0	0	0	0.01	0.01
CASS1440	BLK			0	0	0	0	0	0	0.01
CASS1441		6587978	4830244	0	0	0	0	0	0.01	0.01
CASS1442		6588087	4830245	0	0	0	0	0	0.01	0.01

CASS1443		6588187	4830248	0	0	0	0	0	0.01	0.01
CASS1444		6588271	4830245	0	0	0	0	0	0.01	0.01
CASS1445		6587487	4830254	0	0	0	0	0	0.01	0.01
CASS1446		6587587	4830251	0	0	0	0	0	0.01	0.01
CASS1447		6587687	4830246	0	0	0	0	0	0.01	0.01
CASS1448		6587789	4830243	0	0	0	0	0	0.01	0.01
CASS1449		6587886	4830243	0	0	0	0	0	0.01	0.01
CASS1450	STD			0.03	1	0.06	0	0	0.01	0.12
CASS1451		6582549	4831195	0	0	0	0	0	0.01	0.01
CASS1452		6582447	4831166	0	0	0	0	0	0	0.01
CASS1453		6582367	4831097	0	0	0	0	0	0.01	0.01
CASS1454		6582286	4831042	0	0	0	0	0	0.01	0.02
CASS1455		6582197	4830997	0	0	0.01	0	0	0.01	0.02
CASS1456		6582126	4830933	0	0	0	0	0	0.01	0.01
CASS1457		6582074	4830846	0	0	0	0	0	0.01	0.01
CASS1458		6582032	4830758	0	0	0	0	0.01	0.01	0.03
CASS1459		6581950	4830701	0	0	0	0	0	0.01	0.02
CASS1460	DUP			0	0	0	0	0	0.01	0.02
CASS1461		6581881	4830656	0	0	0	0	0	0.01	0.01
CASS1462		6582256	4830268	0.01	0	0	0.01	0	0.02	0.03
CASS1463		6582333	4830332	0.01	0	0	0.04	0.01	0.04	0.07
CASS1464		6582412	4830391	0.01	0	0	0.01	0.01	0.01	0.03
CASS1465		6583539	4830817	0	0	0	0	0	0.01	0.01
CASS1466		6583631	4830776	0	0	0	0	0	0.01	0.01
CASS1467		6583723	4830736	0	0	0	0	0	0.01	0.01
CASS1468		6583824	4830738	0	0	0	0	0	0.01	0.01
CASS1469		6583923	4830741	0	0	0	0	0	0.01	0.01
CASS1470	BLK			0	0	0	0	0	0	0
CASS1471		6584026	4830743	0	0	0	0	0	0	0.01
CASS1472		6584119	4830748	0	0	0	0	0	0.01	0.01
CASS1473		6583587	4828629	0	0	0	0	0	0.01	0.01
CASS1474		6583685	4828625	0	0	0	0	0	0.01	0.01
CASS1475		6583783	4828639	0	0	0	0	0	0.01	0.01
CASS1476		6583880	4828671	0	0	0	0	0	0.01	0.01
CASS1477		6582204	4828370	0	0	0	0	0	0.01	0.01
CASS1478		6582164	4828267	0	0	0	0	0	0.01	0.01
CASS1479		6582106	4828191	0	0	0	0	0	0.01	0.01
CASS1480	STD			0.03	1	0.06	0	0	0.01	0.11
CASS1481		6582233	4828105							
CASS1482		6582025	4828130							
CASS1483		6581954	4828060	0	0	0	0	0	0.01	0.01
CASS1484		6581924	4827984	0	0	0	0	0	0.01	0.01
CASS1485		6582225	4828006	0	0	0	0	0	0.01	0.01
CASS1486		6582224	4827904	0	0	0	0	0	0.01	0.01
CASS1487		6582244	4827806	0	0	0	0	0	0.01	0.01
CASS1488		6587800	4828299	0	0	0	0	0	0.01	0.01

CASS1489		6587721	4828250	0	0	0	0	0	0.01	0.01
CASS1490	DUP			0	0	0	0	0	0.01	0.01
CASS1491		6589929	4831255	0	0	0	0.01	0	0.01	0.02
CASS1492		6589903	4831351	0	0	0	0	0	0.01	0.01
CASS1493		6589875	4831447	0	0	0	0	0	0.01	0.01
CASS1494		6589792	4831503	0	0	0	0	0	0.01	0.01
CASS1495		6589710	4831561	0	0	0	0	0	0.01	0.02
CASS1496		6589627	4831615	0	0	0	0	0	0.01	0.01
CASS1497		6589536	4831657	0	0	0	0	0	0.01	0.01
CASS1498		6589442	4831648	0	0	0	0	0	0.01	0.01
CASS1499		6589930	4831046	0	0	0.01	0	0	0.01	0.01
CASS1500	BLK			0	0	0	0	0	0	0.01
CASS1501		6589831	4831058	0	0	0	0.01	0	0.01	0.01
CASS1502		6589706	4831103	0	0	0	0	0	0.01	0.01
CASS1503		6589618	4831162	0	0	0	0.01	0	0.01	0.02
CASS1504		6589535	4831216	0	0	0	0.01	0	0.01	0.02
CASS1505		6589459	4831269	0	0	0	0.01	0	0.01	0.02
CASS1506		6589740	4831018	0	0	0	0	0	0.01	0.01
CASS1507		6589663	4830959	0	0	0	0	0	0.01	0.01
CASS1508		6589544	4830800	0	0	0.01	0.01	0	0.02	0.03
CASS1509		6589468	4830732	0	0	0	0.01	0	0.01	0.02
CASS1510	STD			0.02	1	0.05	0	0	0	0.08
CASS1511		6587803	4830606	0	0	0	0	0	0.01	0.01
CASS1512		6587873	4830676	0	0	0	0	0	0.01	0.02
CASS1513		6587944	4830747	0	0	0	0	0	0.01	0.01
CASS1514		6587979	4830869	0	0	0.01	0.01	0	0.03	0.03
CASS1515		6588008	4830970	0	0	0	0.01	0	0.01	0.02
CASS1516		6588052	4831058	0	0	0	0	0	0.01	0.01
CASS1517		6588115	4831135	0	0	0	0.01	0	0.01	0.02
CASS1518		6588182	4831211	0	0	0	0.01	0	0.01	0.02
CASS1519		6588253	4831280	0	0	0	0.01	0	0.01	0.02
CASS1520	DUP			0	0	0	0.01	0	0.01	0.02
CASS1521		6588332	4831338	0	0	0	0	0	0.01	0.01
CASS1522		6588413	4831398	0	0	0	0	0	0.01	0.01
CASS1523		6583462	4828560	0	0	0	0	0	0	0.01
CASS1524		6583441	4828451	0	0	0	0	0	0.01	0.01
CASS1525		6583383	4828368	0	0	0	0	0	0.01	0.01
CASS1526		6583465	4828275	0	0	0	0	0	0.01	0.01
CASS1527		6583533	4828201	0	0	0.01	0	0	0.01	0.01
CASS1528		6583619	4828149	0	0	0	0	0	0.01	0.01
CASS1529		6583684	4828074	0	0	0	0	0	0.01	0.01
CASS1530	BLK			0	0	0	0	0	0	0.01
CASS1531		6584607	4831696	0	0	0	0	0	0.01	0.01
CASS1532		6584519	4831724	0	0	0	0	0	0.01	0.01
CASS1533		6584422	4831706	0	0	0	0	0	0.01	0.01
CASS1534		6584316	4831689	0	0	0	0	0	0.01	0.01

CASS1535		6588609	4827528	0	0	0	0	0	0.01	0.01
CASS1536		6588629	4827625	0	0	0	0	0	0.01	0.01
CASS1537		6588647	4827725	0	0	0	0	0	0.01	0.01
CASS1538		6588646	4827823	0	0	0	0	0	0.01	0.01
CASS1539		6588635	4827924	0	0	0	0	0	0	0.01
CASS1540	STD			0.04	1	0.06	0	0	0.01	0.11
CASS1541		6588625	4828023	0	0	0	0.01	0	0.01	0.02
CASS1542		6588619	4828122	0	0	0	0.01	0	0.01	0.02
CASS1543		6588611	4828221	0	0	0	0.01	0	0.01	0.01
CASS1544		6588606	4828322	0	0	0	0	0	0.01	0.01
CASS1545		6588600	4828421	0	0	0	0	0	0.01	0.01
CASS1546		6588595	4828522	0	0	0	0	0	0.01	0.01
CASS1547		6588598	4828624	0	0	0.01	0	0	0.01	0.02
CASS1548		6588590	4828711	0	0	0	0	0	0.01	0.01
CASS1549		6588564	4828832							
CASS1550	DUP									
CASS1658		6590037	4829659	0	0	0	0	0	0.01	0.02
CASS1659		6589961	4829608	0.01	0	0	0	0	0.02	0.02
CASS1660	STD			0.03	1	0.06	0	0	0.01	0.12
CASS1661		6589282	4828786	0	0	0	0	0	0.01	0.01
CASS1662		6589336	4828867	0	0	0	0	0	0.01	0.01
CASS1663		6589390	4828954	0	0	0	0	0	0.01	0.01
CASS1664		6589444	4829036	0.01	0	0.01	0.01	0	0.01	0.02
CASS1665		6589435	4829135	0	0	0	0	0	0.01	0.01
CASS1666		6589421	4829232	0	0	0	0	0	0.01	0.01
CASS1667		6589407	4829334							
CASS1668		6589442	4829429	0	0	0	0	0	0.01	0.01
CASS1669		6589500	4829503	0	0	0	0.01	0	0.02	0.02
CASS1670	DUP			0.01	0	0.01	0.01	0	0.02	0.02
CASS1671		6589582	4829563	0	0	0	0	0	0.01	0.01
CASS1672		6583991	4832958	0.01	0	0	0	0	0.01	0.01
CASS1673		6584090	4832946	0	0	0	0	0	0	0.01
CASS1674		6584172	4832929	0	0	0	0	0	0.01	0.01
CASS1675		6584264	4832887	0	0	0	0	0	0.01	0.01
CASS1676		6584261	4833016	0	0	0	0	0	0.01	0.01
CASS1677		6584336	4833079	0	0	0	0	0	0.01	0.01
CASS1678		6590996	4829075	0	0	0.01	0	0	0.01	0.02
CASS1679		6590910	4829127	0	0	0	0	0	0.01	0.01
CASS1680	BLK			0	0	0	0	0	0	0.01
CASS1681		6590823	4829178	0	0	0	0	0	0.01	0.01
CASS1682		6590741	4829234	0	0	0	0	0	0.01	0.01
CASS1683		6590659	4829291	0	0	0	0	0	0.01	0.01
CASS1684		6590629	4829207	0	0	0	0	0	0.01	0.01
CASS1685		6590550	4829175	0.01	0	0	0	0	0.01	0.01
CASS1686		6585779	4828257	0	0	0	0	0	0.01	0.01
CASS1687		6585740	4828168	0	0	0	0	0	0.01	0.01

CASS1688		6585685	4828100	0	0	0	0	0	0.01	0.01
CASS1689		6586184	4828241	0.01	0	0.01	0	0	0.02	0.03
CASS1690	STD			0.04	1	0.06	0	0	0.01	0.11
CASS1691		6586182	4828155	0.01	0	0.01	0.01	0	0.02	0.03
CASS1692		6586191	4828047	0	0	0.01	0.01	0	0.02	0.03
CASS1693		6586231	4827947	0	0	0.01	0	0	0.01	0.02
CASS1694		6586114	4828619	0	0	0.01	0.01	0	0.02	0.02
CASS1695		6586052	4828553	0	0	0.01	0	0	0.01	0.02
CASS1696		6585978	4828484	0.01	0	0.01	0	0	0.01	0.02
CASS1697		6585909	4828414	0	0	0	0	0	0.01	0.01
CASS1698		6585837	4828335	0	0	0	0	0	0.01	0.01
CASS1699		6585680	4828488	0	0	0	0	0	0.01	0.01
CASS1700	DUP			0	0	0	0	0	0.01	0.01
CASS1734		6589912	4828646	0	0	0.01	0	0	0.01	0.02
CASS1735		6589973	4828724	0	0	0	0	0	0.01	0.01
CASS1736		6590032	4828804							
CASS1737		6590068	4828897	0	0	0	0	0	0.01	0.01
CASS1738		6590104	4828989	0	0	0	0	0	0.01	0.01
CASS1739		6590127	4829085	0.01	1	0	0.01	0	0.01	0.03
CASS1740	BLK			0	0	0	0	0	0	0.01
CASS1741		6590138	4829185	0	0	0	0	0	0.01	0.01
CASS1742		6590152	4829285	0	0	0	0	0	0.01	0.01
CASS1743		6585525	4832445	0	0	0	0	0	0.01	0.01
CASS1744		6585510	4832344	0	0	0	0	0	0	0.01
CASS1745		6585516	4832246	0	0	0	0	0	0.01	0.01
CASS1746		6585522	4832146	0	0	0	0	0	0.01	0.01
CASS1747		6585524	4832049	0	0	0	0.01	0	0.01	0.02
CASS1748		6585538	4831949	0	0	0	0	0	0.01	0.01
CASS1749		6585577	4831854	0	0	0	0	0	0.01	0.01
CASS1750	STD			0.03	1	0.06	0	0	0.01	0.11
CASS1751		6585611	4831760	0	0	0	0.01	0	0.01	0.01
CASS1752		6585647	4831670	0	0	0	0	0	0.01	0.01
CASS1753		6585688	4831578	0	0	0	0	0	0.01	0.01
CASS1754		6585754	4831502	0	0	0	0	0	0.01	0.01
CASS1755		6585819	4831426	0	0	0	0.01	0	0.01	0.02
CASS1756		6585773	4828439	0	0	0	0	0	0.01	0.01
CASS1801		6586745	4828327	0	0	0	0	0	0.01	0.01
CASS1802		6590318	4824129	0	0	0	0	0	0.01	0.01
CASS1803		6590325	4824058	0	0	0	0	0	0.01	0.01
CASS1804		6590716	4824038	0	0	0	0.01	0	0.01	0.01
CASS1805		6590440	4824946	0	0	0	0	0	0	0.01
CASS1806		6585068	4827219	0	0	0	0	0	0.01	0.01
CASS1807		6585138	4827313	0	0	0	0	0	0.01	0.01
CASS1808		6585208	4827377	0	0	0	0	0	0	0.01
CASS1809		6585308	4827432	0	0	0	0	0	0	0.01
CASS1810	STD			0.03	1	0.06	0	0	0.01	0.12

CASS1811		6586202	4826681	0.01	0	0.01	0.01	0	0.01	0.03
CASS1812		6585853	4826963	2.61	177	0.06	0.92	0.13	0.14	4.16
CASS1813		6586695	4827012	0.01	0	0	0.01	0	0.01	0.02
CASS1814		6586790	4826968	0.01	0	0	0	0	0.01	0.02
CASS1815		6586970	4826890	0.04	0	0.01	0.01	0	0.03	0.06
CASS1816		6587062	4826854	0	0	0	0	0	0	0.01
CASS1817		6585270	4826191	0	0	0	0	0	0.01	0.01
CASS1818		6584471	4826972	0	0	0	0	0	0.01	0.01
CASS1819		6583986	4827276	0	0	0	0	0	0.01	0.01
CASS1820	DUP			0	0	0	0	0	0.01	0.01
CASS1821		6586317	4825235	0	0	0	0	0	0.01	0.01
CASS1822		6586374	4825307	0	0	0	0	0	0.01	0.02
CASS1823		6584675	4825679	0.01	0	0.01	0.01	0	0.02	0.03
CASS1824		6587280	4825031	0	0	0	0	0	0	0.01
CASS1825		6587707	4825273	0	0	0	0	0	0	0
CASS1826		6587872	4825388	0	0	0	0	0	0.01	0.01
CASS1827		6587790	4825332	0	0	0	0	0	0	0
CASS1828		6583772	4825414	0	0	0	0.01	0	0.01	0.02
CASS1829		6583548	4826604	0	0	0	0	0	0.01	0.01
CASS1830	BLK			0	0	0	0	0	0	0.01
CASS1831		6589281	4831593	0	0	0	0	0	0.01	0.02
CASS1832		6588767	4829691	0	0	0	0.01	0	0.01	0.02
CASS1833		6589107	4827424	0	0	0	0	0	0	0
CASS1834		6589267	4827547	0	0	0	0	0	0	0
CASS1835		6582918	4825554	0	0	0	0	0	0.01	0.01
CASS1901		6589616	4829931	0	0	0	0	0	0.01	0.01
CASS1902		6583069	4828383	0	0	0	0	0	0.01	0.01
CASS1903		6583093	4828476	0	0	0.01	0	0	0.01	0.01
CASS1904		6583105	4828576	0	0	0	0	0	0.01	0.01
JZSS0195		6436310	4905402	0	0	0	0.01	0	0.03	0.05
JZSS0196		6436382	4905220	0	0	0	0	0	0.01	0.02
JZSS0197		6436631	4905190	0	0	0	0	0	0	0.01
JZSS0198		6436800	4905242	0	0	0	0.01	0	0.01	0.02
JZSS0199		6436997	4905219	0	0	0	0.01	0	0.02	0.03
JZSS0200	STD			0.03	1	0.07	0	0	0.01	0.14
JZSS0389		6435741	4904739	0	0	0	0	0	0	0
JZSS0390	DUP			0	0	0	0	0	0	0
JZSS0391		6435911	4905021	0	9	0.09	0.05	0.01	0.03	0.3
JZSS0392		6436001	4904810	0	0	0	0.01	0	0.01	0.01
JZSS0393		6436092	4904951	0	0	0	0.02	0	0.01	0.04
JZSS0394		6436251	4904840	0	0	0	0.01	0	0.01	0.01
JZSS0395		6436162	4904692	0	0	0	0.01	0	0.01	0.01
JZSS0396		6436461	4904861	0	0	0	0.01	0	0	0.01
JZSS0397		6436479	4905031	0	0	0	0.01	0	0.01	0.01
JZSS0398		6436309	4908424	0	0	0	0	0	0	0.01
JZSS0399		6436508	4908423	0	0	0	0	0	0	0.02

JZSS0400	BLK			0.01	0	0	0	0	0	0.02
JZSS0463		6438393	4904308	0	0	0	0	0	0	0.01
JZSS0464		6438237	4904863	0	0	0	0.01	0	0.01	0.02
JZSS0465		6436512	4908810	0	0	0	0	0	0	0.01
JZSS0466		6436605	4908945	0	0	0	0	0	0.01	0.04
JZSS0467		6436741	4909080	0	0	0.01	0.01	0	0.01	0.07
JZSS0468		6436818	4908938	0	0	0	0	0	0	0.02
JZSS0469		6436684	4908720	0	1	0	0.01	0	0	0.04
JZSS0470	STD			0.03	1	0.07	0	0	0.01	0.14
JZSS0471		6436868	4908636	0	0	0	0.01	0	0	0.01
JZSS0472		6438114	4906660	0	0	0	0.01	0	0.01	0.02
JZSS0473		6437929	4906722	0	0	0	0	0	0.01	0.02
JZSS0474		6439298	4903529	0	0	0	0	0	0.01	0.02
JZSS0475		6439450	4903399	0	0	0	0	0	0.01	0.03
JZSS0476		6439579	4903252	0	0	0	0	0	0.01	0.02
JZSS0477		6439628	4903057	0	0	0	0.01	0	0.01	0.03
JZSS0478		6439633	4902840	0	0	0	0	0	0.01	0.03
JZSS0479		6439212	4902609	0	0	0	0.01	0	0.01	0.03
JZSS0480	DUP			0	0	0	0.01	0	0.01	0.03
JZSS0481		6439219	4902807	0	0	0	0	0	0.01	0.03
JZSS0482		6439218	4903010	0	0	0	0	0	0.01	0.02
JZSS0483		6437608	4904217	0	0	0	0	0	0.01	0.03
JZSS0484		6438871	4905294	0	0	0	0.01	0	0.02	0.04
JZSS0485		6438400	4905168	0	0	0	0	0	0.01	0.02
JZSS0486		6438433	4904812	0	0	0	0	0	0	0.01
JZSS0487		6438469	4904511	0	0	0	0	0	0.01	0.03
JZSS0488		6438578	4905037	0.01	0	0.03	0.02	0	0.03	0.1
JZSS0489		6438489	4903468	0	0	0	0	0	0.01	0.03
JZSS0490	BLK			0	0	0	0	0	0	0.01
JZSS0491		6438860	4903251	0	0	0	0	0	0.01	0.03
JZSS0492		6438224	4903984	0	0	0	0	0	0.01	0.02
JZSS0493		6438870	4905109	0	0	0	0.01	0	0.02	0.04
JZSS0494		6438712	4904930	0	0	0	0	0	0	0.01
JZSS0495		6438851	4904942	0	0	0	0	0	0	0.01
JZSS0496		6438842	4904747	0	0	0	0.01	0	0.01	0.01
JZSS0497		6439044	4904684	0	0	0	0	0	0	0.03
JZSS0498		6439122	4904613	0	0	0	0	0	0	0.04
JZSS0499		6439347	4904055	0	0	0.01	0	0	0.01	0.04
JZSS0500	STD			0.03	1	0.07	0	0	0.01	0.14
JZSS0501		6437397	4904311	0	0	0	0.01	0	0.01	0.03
JZSS0502		6437981	4904009	0	0	0	0	0	0.01	0.03
JZSS0503		6437919	4903499	0	0	0	0.01	0	0.02	0.03
JZSS0504		6438158	4903403	0	0	0	0.01	0	0.01	0.03
JZSS0505		6438340	4903600	0	0	0	0	0	0.01	0.03
JZSS0506		6438059	4903561	0	0	0	0	0	0.01	0.03
JZSS0507		6438309	4903802	0	0	0	0	0	0.01	0.02

JZSS0508		6438629	4904780	0	0	0	0.01	0	0.01	0.02
JZSS0509		6438673	4904532	0	0	0	0	0	0.01	0.03
JZSS0510	DUP			0	0	0	0	0	0.01	0.02
JZSS0511		6438877	4904535	0	0	0	0	0	0	0.01
JZSS0512		6439138	4904397	0	0	0	0	0	0	0.02
JZSS0513		6439197	4904222	0	0	0	0	0	0.01	0.03
JZSS0514		6437075	4903454	0	0	0	0.01	0	0.01	0.03
JZSS0515		6437009	4903632	0	0	0	0.01	0	0.01	0.02
JZSS0516		6437001	4903829	0	0	0.01	0.02	0	0.01	0.05
JZSS0517		6437036	4904031	0	0	0	0	0	0.01	0.02
JZSS0518		6437030	4904222	0	0	0	0.01	0	0.01	0.02
JZSS0519		6436962	4904351	0	0	0	0	0	0	0.01
JZSS0520	BLK			0	0	0	0	0	0	0.01
JZSS0521		6436837	4904379	0	0	0	0.01	0	0	0.01
JZSS0522		6436846	4904486	0	0	0	0.01	0	0.01	0.03
JZSS0523		6436741	4904623	0	0	0	0	0	0	0.01
JZSS0524		6437337	4902898	0	0	0	0.01	0	0.01	0.01
JZSS0525		6437485	4903028	0	0	0	0	0	0.01	0.02
JZSS0526		6437685	4903234	0	0	0	0	0	0.02	0.02
JZSS0527		6437682	4903114	0	0	0	0	0	0.01	0.01
JZSS0528		6437742	4903093	0	0	0	0.01	0	0.02	0.02
JZSS0529		6437878	4903195	0	0	0	0	0	0.01	0.01
JZSS0530	STD			0.04	1	0.07	0	0	0.01	0.15
JZSS0531		6437242	4904234	0	0	0	0	0	0.01	0.01
JZSS0532		6437131	4904491	0	0	0	0	0	0	0.01
JZSS0533		6436981	4904611	0	0	0	0.01	0	0.01	0.02
JZSS0534		6438400	4902597	0	0	0	0.01	0	0.01	0.04
JZSS0535		6438290	4902763	0	0	0	0	0	0.02	0.03
JZSS0536		6438190	4902733	0	0	0	0	0	0.01	0.02
JZSS0537		6438182	4902924	0	0	0	0.01	0	0.03	0.04
JZSS0538		6438038	4902771	0	0	0	0	0	0.01	0.02
JZSS0539		6437867	4902839	0	0	0	0	0	0.01	0.03
JZSS0540	DUP			0	0	0	0	0	0.01	0.02
JZSS0541		6438009	4903040	0	0	0	0	0	0	0.01
JZSS0542		6437822	4902972	0	0	0	0	0	0	0.02
JZSS0543		6438948	4902091	0	0	0	0.01	0	0.01	0.04
JZSS0544		6439090	4902230	0	0	0	0	0	0.01	0.03
JZSS0545		6438911	4902291	0	0	0	0	0	0.01	0.02
JZSS0546		6438732	4902370	0	0	0	0	0	0.01	0.02
JZSS0547		6438740	4902602	0	0	0	0.01	0	0.03	0.04
JZSS0548		6438761	4902846	0	0	0	0.02	0	0.03	0.04
JZSS0549		6438851	4903041	0	0	0	0.01	0	0.01	0.03
JZSS0550	BLK			0	0	0	0	0	0	0.01
JZSS0551		6436708	4908420	0	0	0	0	0	0.01	0.03
JZSS0552		6436689	4908193	0	0	0	0	0	0	0.02
JZSS0553		6436161	4907744	0	0	0	0	0	0	0.02

JZSS0554		6436337	4907661	0	0	0	0	0	0	0.01
JZSS0555		6436529	4907589	0	1	0.01	0	0	0.01	0.04
JZSS0556		6439172	4903669	0	0	0	0	0	0.01	0.02
JZSS0557		6439029	4903820	0	0	0	0	0	0	0.03
JZSS0558		6438954	4904003	0	0	0	0.01	0	0.01	0.04
JZSS0559		6438880	4904129	0	0	0	0.01	0	0.02	0.04
JZSS0560	STD			0.02	1	0.07	0	0	0.01	0.13
JZSS0561		6438745	4904079	0	0	0.01	0	0	0	0.05
JZSS0562		6438620	4903659	0	0	0	0	0	0.01	0.03
JZSS0563		6438491	4903472	0	0	0	0	0	0.01	0.03
JZSS0564		6437583	4904046	0	0	0	0	0	0.01	0.03
JZSS0565		6437191	4903311	0	0	0	0.01	0	0.01	0.02
JZSS0566		6437361	4903460	0	0	0	0.01	0	0.01	0.02
JZSS0567		6437497	4903314	0	0	0	0.01	0	0.02	0.03
JZSS0568		6437564	4903628	0	0	0	0.01	0	0.01	0.02
JZSS0569		6437752	4903553	0	0	0	0.01	0	0.01	0.02
JZSS0570	DUP			0	0	0	0	0	0.01	0.01
JZSS0571		6437719	4903773	0	0	0	0	0	0.01	0.03
JZSS0572		6437549	4903844	0	0	0	0.01	0	0.02	0.04
JZSS0573		6437848	4903902	0	0	0	0	0	0.01	0.04
JZSS0574		6439200	4901793	0	0	0	0	0	0	0.01
JZSS0575		6439367	4901819	0	0	0	0	0	0	0.01
JZSS0576		6439570	4901899	0	0	0	0.01	0	0.01	0.03
JZSS0577		6439650	4902064	0	0	0	0	0	0.01	0.02
JZSS0578		6439740	4901878	0	0	0	0	0	0.01	0.01
JZSS0579		6439791	4901709	0	0	0	0.01	0	0.01	0.02
JZSS0580	BLK			0.01	0	0	0	0	0	0.02
JZSS0581		6439580	4901244	0	0	0	0.01	0	0.01	0.01
JZSS0582		6439761	4901320	0	0	0	0	0	0.01	0.01
JZSS0583		6439962	4901340	0	0	0	0.01	0	0.01	0.02
JZSS0584		6440010	4901011	0	0	0	0	0	0	0.01
JZSS0585		6439816	4901076	0	0	0	0	0	0.01	0.01
JZSS0586		6439614	4901070	0	0	0	0	0	0	0.01
JZSS0587		6439669	4902647	0	0	0	0	0	0.01	0.02
JZSS0588		6439699	4902431	0	0	0	0	0	0.01	0.03
JZSS0589		6439680	4902253	0	0	0	0	0	0.01	0.03
JZSS0590	STD			0.03	1	0.07	0	0	0.01	0.14
JZSS0591		6439913	4901611	0	0	0	0.01	0	0.01	0.02
JZSS0592		6439622	4901598	0	0	0	0.01	0	0.01	0.02
JZSS0593		6439481	4901461	0	0	0	0	0	0.01	0.01
JZSS0594		6439400	4901620	0	0	0	0.01	0	0.01	0.02
JZSS0595		6439211	4901646	0	0	0	0.01	0	0.01	0.02
JZSS0596		6439342	4901313	0	0	0	0	0	0	0.01
JZSS0597		6439426	4901167	0	0	0	0	0	0	0
JZSS0598		6438851	4901932	0	0	0.01	0.01	0	0.01	0.03
JZSS0599		6439481	4902171	0	0	0	0	0	0.01	0.02

JZSS0600	DUP			0	0	0	0	0	0.01	0.02
JZSS0601		6439272	4902219	0	0	0	0.01	0	0.01	0.03
JZSS0602		6439229	4902411	0	0	0	0	0	0.01	0.02
JZSS0603		6438862	4903502	0	0	0	0	0	0.01	0.02
JZSS0604		6438840	4903698	0	0	0	0	0	0.01	0.02
JZSS0605		6438151	4902392	0	0	0	0	0	0.01	0.03
JZSS0606		6438321	4902462	0	0	0	0	0	0.01	0.02
JZSS0607		6438550	4902460	0	0	0	0	0	0.01	0.03
JZSS0608		6438351	4902941	0	0	0	0.01	0	0.03	0.04
JZSS0609		6438357	4903142	0	0	0	0.01	0	0.01	0.02
JZSS0610	BLK			0	0	0	0	0	0	0.01
JZSS0611		6438361	4903362	0	0	0	0.03	0	0.01	0.04

JORC TABLE 1

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	<i>Nature and quality of sampling (e.g., cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</i> <i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i> <i>Aspects of the determination of mineralisation that are Material to the Public Report.</i> <i>In cases where ‘industry standard’ work has been done this would be relatively simple (e.g., ‘reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay’). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g., submarine nodules) may warrant disclosure of detailed information.</i>	- Historical drilling: diamond drilling was used to obtain 2m samples (and often shorter sampling intervals), which was then crushed and quartered for volumetry and colorimetry assay techniques. In general terms, majority of historical samples were assayed on Fe and whole rock oxides, certain samples were assayed on a few base-metal elements (Ni, Cu, Pb, Zn and Sb) and limited number of samples were assayed on other elements (Ag, Au, Hg, Cd etc.). - Current exploration: The rock chip samples, usually weighing approximately 1.5-2.5 kg were collected from outcrops of weathered, fresh and gossanous material. The soil samples, usually weighing approximately 2-2.5kg, were collected from below the humus layer, and where this humus layer is thick (i.e., in flat areas, farmlands or near rivers) a hand operated auger is used. Channel samples were collected as continuous chips along the sampling interval, ensuring representability of the entire sampling interval. The samples were collected into calico bags, labelled and sealed. The samples were dried and sieved at the assay laboratory, ALS Laboratory Services doo in Bor

Criteria	JORC Code explanation	Commentary
Drilling techniques	Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	- Historical drilling: all diamond drilling, unoriented core (vertical drilling), details on drilling rig and core diameter were provided sporadically, most drill core is equivalent to NQ diameter (starting diameters sometimes unconventionally 50% larger than PQ). - Current drilling: all diamond drilling, oriented core in competent runs using Devicore tool, downhole survey done on every 30m using Devi Shot tool, core diameter PQ and HQ.
Drill sample recovery	- Method of recording and assessing core and chip sample recoveries and results assessed. - Measures taken to maximise sample recovery and ensure representative nature of the samples. - Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	- Historical drilling: recovery percentage of drill core was recorded in graph logs. Intervals with problematic recovery were also highlighted in the report text. No statistical assessment of recovery-grade bias was carried out, as all holes relevant to possible future resource estimate are planned to be twinned. - Current drilling: recovery measured during RQD logging, so far 96.5% recovery overall. Drilling short runs in broken intervals to maximise recovery. No recovery bias with regards to grade was noted so far.
Logging	- Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. - Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. - The total length and percentage of the relevant intersections logged.	- Historical drill core has been geologically logged only (interval-style logging with description of lithology and alteration). Assays were done on selected intervals with visible mineralisation only (overall, 14% of historical drilling length was assayed only). Petrography and mineralogical studies were completed on certain core intervals. - Current drilling: log per current best industry standards. Logging: interval style including lithology, alteration, mineralisation, RQD, weathering, oxidation, hardness, density, structures and hazards. Drill core sampling: general 1m intervals with honouring lithology/alteration boundaries and core loss intervals. Systematic continuous sampling in initial drilling over new targets, and selective interval sampling in follow-up drill holes.

Criteria	JORC Code explanation	Commentary
Sub-sampling techniques and sample preparation	• <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i> • <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i> • <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i> • <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i> • <i>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</i> • <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i>	• Historic drilling: all was diamond drilling technique. Generally, a cut half-core in competent intervals and full-core in broken or clayey intervals. Sample preparation included crushing, quartering, grinding and quartering again. • Current drilling: Sawn half core, sampled in calico bags, sent to lab within a few days from sampling, regular prep procedure in ALS lab (Bor, Serbia) that includes drying, crushing and milling.
Quality of assay data and laboratory tests	• <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i> • <i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i> • <i>Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e., lack of bias) and precision have been established.</i>	• Historic drilling: the choice of assaying methods used was subject to availability. Quality control was not done systematically on historical drilling, but repeats were done in umpire labs on 5% samples (only comments about possible reasons on repeats with significant differences in results). • Current drilling: generally, total 10% control samples including blank, low-grade standard, high-grade standard and duplicates. Repeat of sample series near failed control samples ($\pm 2SD$ for standards, expected results tolerance for blanks and duplicates). Umpire assays planned to be done at SGS, Bor (Serbia), none requested yet. • Ongoing surface sampling: ALS Bor was consulted on options of available and suitable assaying methods. Systematic QAQC which includes blanks, field duplicates and standards (total of some 10% of control samples). QAQC samples comprising blanks, certified reference materials and field duplicates were inserted at a frequency of 1 in 10 (1 in 30 each).
Verification of sampling and assaying	• <i>The verification of significant intersections by either independent or alternative company personnel.</i> • <i>The use of twinned holes.</i> • <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i> • <i>Discuss any adjustment to assay data.</i>	• Historical drilling: reported significant intervals are compiled from historically reported results for individual samples. • Current drilling: spreadsheet template with drop-down menus and limited data format. Logging on laptops directly in logging spreadsheet. Daily copy of logging sheet stored on server, copy kept at HD.

Criteria	JORC Code explanation	Commentary
Location of data points	- Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. - Specification of the grid system used. - Quality and adequacy of topographic control.	- Historic drilling and marking on underground workings: survey using theodolite. Coordinate system used Gauss-Kruger Zone 6. - Current drilling: planned collar locations pegged by surveyor using DGPS. Surveyor (external contractor) picks collars after every few drillholes. Coordinate system used Gauss-Kruger Zone 6. - Current Surface exploration: location of surface samples marked by handheld GPS. Coordinate system used is Gauss-Kruger Zone 6 or equivalent (i.e. MGI Balkans Z6).
Data spacing and distribution	- Data spacing for reporting of Exploration Results. - Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. - Whether sample compositing has been applied.	- Historical drilling: The only area with a drill spacing suitable for geological continuity assessment is Sockovac. Drilling (20 drillholes) has been carried out over 500x300m area; however, most holes were drilled in the central 200x200m area at approximately 50m spacing. Unfortunately, the unsystematic sampling does not allow a great degree of grade continuity assessment. Drilling patterns/spacing over other projects is insufficient for assessment of geology and grade continuity. - Current drilling: various for different prospects. Gramusovici (Cajnice) 80m and 40m spacing. RDK (Sinjakovo) 200m spacing. Berkovici (Cajnice) 100m and 50m spacing. - Current surface exploration: to date, soil samples have been collected on 200m x 200m grids (across Sinjakovo, Sockovac and Gostilj tenements) and infilled to 100x100m where justified (so far at Sinjakovo only), "ridge and spur" sampling style at 200m spacing (at more mountainous Doboj, Jezero and Cajnice tenements) infilled to 100m spacing where justified, and "ridge and spur" style at 50m spacing along trajectories of possible trenches (at Sinjakovo and Sockovac tenements).
Orientation of data in relation to geological structure	- Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. - If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	- Historical drilling: the orientation of drilling is generally at high angle (70-80°) to general orientation of mineralised zones. - Current drilling: drilling is being designed to test mineralised structures orthogonally as best as possible to predict.

Criteria	JORC Code explanation	Commentary
Sample security	<i>The measures taken to ensure sample security.</i>	- Historic drilling: sample security was not addressed in historical reports. - Current drilling: core is kept on site in locked storage for a few days maximum. Truck takes core to main core shed in Bijeljina, where it is kept in building that has 24/7 surveillance of working area and is kept locked overnight. After sampling, core is taken to ALS lab within a few days from sampling date. - Ongoing surface exploration: surface samples are kept in a safe and dry place for a short period of time, in locked facility, before shipping to ALS laboratory in Bor, Serbia.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	

Section 2 Reporting of Exploration Results

(Criteria listed in the previous section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	- Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. - The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	- Historic material is originally produced by Yugoslav State Geological Survey, and now is owned by a successor Republika Srpska Geological Survey. Material was acquired in lines with granted concession terms and conditions. - No national parks exist on any of exploration licences. - No known historical sites exist on any of exploration licences. - All exploration licences are granted. All exploration licences owned 100% by Lykos Metals Ltd.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Previously summarised in Lykos Prospectus. No material change by other parties in this data since then.
Geology	Deposit type, geological setting and style of mineralisation.	- Previously summarised in Lykos Prospectus. No material change in interpretations since then. - However, current exploration is reaching the stage when an updated geological interpretation will be provided with progress of drilling.
Drill hole Information	- A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: - easting and northing of the drill hole collar - elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar - dip and azimuth of the hole - down hole length and interception depth - hole length. - If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	- Material relating to historical drilling is given in Appendix 2-5, Lykos Prospectus, which lists for each drill hole: the hole ID, its coordinates, down-hole sampling intervals and results. - Current drilling: this information will be reported to ASX regularly and timely as it is being collated.

Criteria	JORC Code explanation	Commentary
Data aggregation methods	<i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g., cutting of high grades) and cut-off grades are usually Material and should be stated.</i> <i>Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i> <i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i>	Historic results: Length-weighted average results were used for reporting historic significant intercepts. General cut-off grades of $\geq 0.5\%$ Ni (0.5-1% Ni intervals were arbitrarily used in reporting the significant intercepts; hence most of intercepts include $\geq 1\%$ Ni intervals) and $\geq 1\%$ Pb+Zn cut-off were used separately, max. 2 samples internal waste. Length-weighted average grade = $(L1*G1+L2*G2+...+Ln*Gn) / (SUM L1+L2+...+Ln)$.
Metal Equivalent reporting	<i>Clause 50 of the JORC Code provides a clear guide on the minimum information that should accompany any public report that includes reference to metal equivalents for polymetallic deposits.</i> <i>Clause 50 requires a clear statement that it is the company's opinion that all the elements in the metal equivalents calculation have a reasonable potential to be recovered and sold.</i>	Gold Equivalent (used where stated as "AuEq"). - Due to polymetallic nature of mineralisation, gold equivalent (AuEq) is calculated as a sum of grades of gold (Au), silver (Ag), copper (Cu), lead (Pb), antimony (Sb) and zinc (Zn) – normalised for oz, g/t and % conversion and weighted by respective commodity market prices and metallurgical recoveries as per publicly reported for the analogue deposit. - Deposit analogue is Rupice deposit as being the most recently met-tested polymetallic deposit in the same country as Company's projects (Bosnia and Herzegovina). The recovery data from analogue deposit will be replaced by actual recovery data once met-test is carried out by the Company. Au 64% Ag 89% Cu 94% Pb 93% Sb 94% Zn 91% - The commodity prices used were sourced from www.kitco.com (Au and Ag), www.lme.com (Cu, Pb and Zn) and www.argusmedia.com (Sb) on 11/07/2022: Au 1,735 US\$/oz Ag 19.2 US\$/oz Cu 7,800 US\$/t Pb 1,950 US\$/t Sb 13,450 US\$/t Zn 3,100 US\$/t

Criteria	JORC Code explanation	Commentary
Relationship between mineralisation on widths and intercept lengths	- These relationships are particularly important in the reporting of Exploration Results. - If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. - If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g., 'down hole length, true width not known').	- All historic drill intervals are reported as down-hole lengths. Intersected mineralisation at Sockovac and Sinjakovo is at approximately 80° to drilling trajectories. Intersected mineralisation at Cajnice is at approximately 70° to drilling trajectories. - Current drilling: intervals generally reported as drilling depth and down hole length. On occasion, true widths and depth from surface will be specifically stated.
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	Refer to figures and tables in the body of this announcement.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	Both the minimum and maximum widths and grades of the mineralisation intercepted by historical drilling and individual sampling results were provided in Lykos Prospectus Appendix 2-5.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	Available historical exploration data and information was reported (mostly in form of results, summaries results, conclusions and excerpts from reports - with provided report reference) in Lykos Prospectus. This includes but not limited to: reconnaissance, geological mapping, geophysical surveys, geochemical surveys and historical mining.
Further work	- The nature and scale of planned further work (e.g., tests for lateral extensions or depth extensions or large-scale step-out drilling). - Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	- Subject to systematic geochemical survey, planned geochemical follow-up survey is in form of soil sampling in-fill, trenching and rock-chip sampling. - Geophysical surveys (AMag, AEM and Ground IP methods) over all exploration tenements or certain parts thereof. - Twin drilling of key historical drillholes with importance for verification of historical drilling results and planning future drilling results. - Extensional drilling at historically identified mineralisation and testing newly identified targets (latter subject to previous exploration results). - In-fill drilling to Inferred confidence level where justified to do so.

Section 3 Estimation and Reporting of Mineral Resources

(Criteria listed in section 1, and where relevant in section 2, also apply to this section.)

Criteria	JORC Code explanation	Commentary
Database integrity	- Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes. - Data validation procedures used.	•
Site visits	- Comment on any site visits undertaken by the Competent Person and the outcome of those visits. - If no site visits have been undertaken indicate why this is the case.	•
Geological interpretation	- Confidence in (or conversely, the uncertainty of) the geological interpretation of the mineral deposit. - Nature of the data used and of any assumptions made. - The effect, if any, of alternative interpretations on Mineral Resource estimation. - The use of geology in guiding and controlling Mineral Resource estimation. - The factors affecting continuity both of grade and geology.	•
Dimensions	The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.	•

Criteria	JORC Code explanation	Commentary
Estimation and modelling techniques	- The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of computer software and parameters used. - The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes appropriate account of such data. - The assumptions made regarding recovery of by-products. - Estimation of deleterious elements or other non-grade variables of economic significance (e.g., sulphur for acid mine drainage characterisation). - In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed. - Any assumptions behind modelling of selective mining units. - Any assumptions about correlation between variables. - Description of how the geological interpretation was used to control the resource estimates. - Discussion of basis for using or not using grade cutting or capping. - The process of validation, the checking process used, the comparison of model data to drill hole data, and use of reconciliation data if available.	•
Moisture	Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content.	•
Cut-off parameters	The basis of the adopted cut-off grade(s) or quality parameters applied.	•
Mining factors or assumptions	Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.	•
Metallurgical factors or assumptions	The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding	•

Criteria	JORC Code explanation	Commentary
	metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made.	
Environmental factors or assumptions	Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made.	•
Bulk density	- Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples. - The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc), moisture and differences between rock and alteration zones within the deposit. - Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.	•
Classification	- The basis for the classification of the Mineral Resources into varying confidence categories. - Whether appropriate account has been taken of all relevant factors (i.e., relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data). - Whether the result appropriately reflects the Competent Person's view of the deposit.	•
Audits or reviews	The results of any audits or reviews of Mineral Resource estimates.	•
Discussion of relative	Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative	•

Criteria	JORC Code explanation	Commentary
accuracy/ confidence	<i>accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate.</i> <i>• The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used.</i> <i>• These statements of relative accuracy and confidence of the estimate should be compared with production data, where available.</i>	

Appendix 5B

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

Lykos Metals Limited

ABN

65 650 011 644

Quarter ended ("current quarter")

30 June 2022

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (6 months) \$A'000
1.	Cash flows from operating activities		
1.1	Receipts from customers	-	-
1.2	Payments for		
	(a) exploration & evaluation	(1,046)	(2,095)
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(197)	(476)
	(e) administration and corporate costs	(216)	(874)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	-	-
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other (provide details if material)	-	-
1.9	Net cash from / (used in) operating activities	(1,459)	(3,445)
2.	Cash flows from investing activities		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	(256)	(318)
	(d) exploration & evaluation	-	-
	(e) investments	-	-
	(f) other non-current assets	-	-

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (6 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
2.6	Net cash from / (used in) investing activities	(256)	(318)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	12,250
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	(1,108)
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
3.10	Net cash from / (used in) financing activities	-	11,142

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	8,764	-
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(1,459)	(3,445)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(256)	(318)

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (6 months) \$A'000
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	11,142
4.5	Effect of movement in exchange rates on cash held	15	(315)
4.6	Cash and cash equivalents at end of period	7,064	7,064

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	7,064	8,764
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	7,064	8,764

6.	Payments to related parties of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	-
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
<i>Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.</i>		

7.	Financing facilities <i>Note: the term "facility" includes all forms of financing arrangements available to the entity. Add notes as necessary for an understanding of the sources of finance available to the entity.</i>	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	Total financing facilities	-	-
7.5	Unused financing facilities available at quarter end		N/A
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		
	N/A		

8.	Estimated cash available for future operating activities	\$A'000
8.1	Net cash from / (used in) operating activities (item 1.9)	(1,459)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	-
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(1,459)
8.4	Cash and cash equivalents at quarter end (item 4.6)	7,064
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	7,064
8.7	Estimated quarters of funding available (item 8.6 divided by item 8.3)	4.8
	<i>Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.</i>	
8.8	If item 8.7 is less than 2 quarters, please provide answers to the following questions:	
8.8.1	Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?	
	Answer: N/A	
8.8.2	Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?	
	Answer: N/A	

8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer: N/A

Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.

Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Date: 20 July 2022

Authorised by: The Board of Directors of Lykos Metals Limited

(Name of body or officer authorising release – see note 4)

Notes

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, AASB 6: *Exploration for and Evaluation of Mineral Resources* and AASB 107: *Statement of Cash Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee – eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.