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A 9 MILE DEPÓSITO DA CORREIA BARAMA-MAZARUNI GREENSTONE DO ESCUDO DA GUIANA: GEOQUÍMICA, GEOCRONOLOGIA E IMPORTÂNCIA REGIONAL

Roy Bassoo, J. Brendan Murphy

TABLE A1. Field sample locations and analysis

Field Sample #	Sample Number	Field Code/ Hole #	Type/Depth	Approx Horizontal Distance	Easting	Northing	Description	Analysis
RBM001	Sample 1	Fel 1	Field Sample		240576	639575	Unaltered Granodiorite	Lithogeochem
RBM002	Sample 1	Fel 1	Field Sample		240576	639575	Unaltered Granodiorite	Thin Section
RBM003	Sample 2	Fel 2	Field Sample		239002	640803	Unaltered Granodiorite	Lithogeochem
RBM004	Sample 2	Fel 2	Field Sample		239002	640803	Unaltered Granodiorite	Thin Section
RBM005	Sample 3	Fel 3	Field Sample		238272	640671	Unaltered Granodiorite	Thin Section
RBM006	Sample 4	Fel 4	Field Sample		238371	640553	Unaltered Granodiorite	Thin Section
RBM007	Sample 5	Fel 5	Field Sample		238581	641396	Unaltered Granodiorite	Thin Section
RBM008	Sample 6	Maf 1	Field Sample		238272	640671	Mafic Dyke	Lithogeochem
RBM009	Sample 7	Maf 2	Field Sample		238272	640671	Mafic Dyke	Lithogeochem
RBM010	Sample 7	Maf 2	Field Sample		238272	640671	Mafic Dyke	Thin Section
RBM011	Sample 8	Maf 3	Field Sample		238371	640553	Mafic Dyke	Lithogeochem
RBM012	Sample 9	Fel 5	Field Sample		238581	641396	Unaltered Granodiorite	Lithogeochem
RBM013	Sample 10	9M-11-07	200.10m - 200.78m, 200.78m - 200.9m	100.3	239740.32	640801.01	Meta Rhyolite	Lithogeochem
RBM014	Sample 10	9M-11-07	200m-200.10m	100.3	239740.32	640801.01	Meta Rhyolite	Thin Section
RBM015	Sample 11	9M-11-10	80m - 80.3m, 80.4m - 81m	27.5	239884.52	640479.36	Altered Granodiorite	Lithogeochem
RBM016	Sample 11	9M-11-10	80.3m - 80.4m	27.5	239884.52	640479.36	Altered Granodiorite	Thin Section
RBM017	Sample 12	9M-11-02	84m-84.78m, 84.84m - 85m	28.9	239924.42	640551.86	Altered Granodiorite	Lithogeochem
RBM018	Sample 12	9M-11-02	84.78m - 84.84m	28.9	239924.42	640551.86	Altered Granodiorite	Thin Section
RBM019	Sample 13	9M-11-01	13.03m-13.50m, 14.6m-14.86m	4.4	239866.78	640561.32	Unaltered Granodiorite	Lithogeochem
RBM020	Sample 13	9M-11-01	14.5m - 14.6m	4.4	239866.78	640561.32	Unaltered Granodiorite	Thin Section
RBM025	Sample 13	9M-11-01	13.5m - 14.5m	4.4	239866.78	640561.32	Unaltered Granodiorite	U-Pb Dating
RBM021	Sample 14	9M-11-09	60m-60.10m, 60.20m-61m	20.69	239858.78	640524.35	Altered Granodiorite	Lithogeochem
RBM022	Sample 14	9M-11-09	60.1m - 60.2m	20.69	239858.78	640524.35	Altered Granodiorite	Thin Section
RBM023	Sample 15	9M-11-01	14.93m - 15.79m	5.1	239866.78	640561.32	Mafic Dyke	Lithogeochem
RBM024	Sample 15	9M-11-01	14.86m - 14.93m	5.1	239866.78	640561.32	Mafic Dyke	Thin Section

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TABLE A2. Summary petrographic descriptions and modal abundances

Sample	Rock Type	Plg	Qz	Chl	Mag	K-spar	Musc	Bt	Hn	CPX	OPX	Ser	Py	Voids	Description
Sample 1	Granodiorite	40	40	9	5	1			5						Coarse-grained, white and green. Saussuritization of plagioclase cores. Hornblende and chlorite are minimally stretched and fragmented. Biotite altered to chlorite. Rock has a locally developed schistosity, with a lineation defined by the parallel orientation of muscovite and chlorite along the foliation plane.
Sample 2	Granodiorite	24	25	5	3		2		3	6					Coarse-grained, white and green. Moderate fabric of stretched chlorite evident. Increased silicification, chlorite alteration of biotite, pervasive saussuritization of plagioclose feldspar. Hornblende grains are small and stubby. Biotite with chlorite rims evident. Rock has a locally developed schistosity, with a lineation defined by the parallel orientation of muscovite and chlorite along the foliation plane.
Sample 3	Granodiorite	32	29	15	10		9		5						Coarse-grained, white and green. Moderate fabric of stretched chlorite evident. Increased silicification, chlorite alteration of biotite, pervasive saussuritization of plagioclose feldspar. Increased magnetite content compared to other samples. Rock has a locally developed schistocity, with a a lineation defined by the parallel orientation of muscovite and chlorite along the foliation plane.
Sample 4	Granodiorite	35	19	9	3		9	7	9	5	4				Medium-grained, white and green. Chlorite alteration of hornblende and biotite. Dike veinlet evident which consists of clinopyroxene and orthopyroxene aggregates with minor hornblende. Sericitization and sausseritization of plagioclase feldspar is pervasive. Rock has a locally developed schistocity, with a lineation defined by the parallel orientation of muscovite and chlorite along the foliation plane.
Sample 5	Granodiorite	20	46	5	10		3	3	5		8				Medium to fine-grained, white and green. Minor saussuritization. Biotite and hornblende altered to chlorite. Two pyroxene intergrowth and small chloritic veins. Rock has a locally developed schistosity, with a lineation defined by the parallel orientation of muscovite and chlorite along the foliation plane.
Sample 7	Mafic Dyke														Fine-grained and grey with primary major hornblende, K-feldspar, moderate quartz and plagioclase and secondary minor magnetite, chlorite and plagioclase phenocrysts.*
Sample 10	Meta-Rhyolite														Fine-grained, light grey to green. Dominated by primary quartz, plagioclase, K-feldspar, magnetite, and hornblende and secondary chlorite, pyrite and hematite.*
Sample 11	Granodiorite	5	25	7	8		5					48	2		Medium grained, minor white and major green. Saussurite alteration is very pervasive. Some chlorite grains are stretched and show cleavage. Magnetite replacement of chlorite is evident. Fragmentation of large quartz grains and plagioclase with chlorite psuedomorphs of amphiboles. Pyrite grains are fine to medium-grained, stretched and rotated. Sample is close to sheared contact. Moderate to minor silicification
Sample 12	Granodiorite	7	43	10	9		3					24	4		Medium-grained with minor white and major green. Saussurite alteration is very pervasive, some chlorite grains are stretched and show cleavage. Magnetite replacement of chlorite is evident. Fragmentation of large quartz grains and plagioclase with chlorite psuedomorphs of amphiboles. Pyrite grains are fine to medium grained, stretched and rotated. Sample is close to sheared contact. Strong silicification.
Sample 13	Granodiorite	30	45	10	4	3	5		3						Sodium rich granodiorite. Coarse grained with green and white. Dull luster and lustrous mafic minerals. Primary major plagioclase feldspar of two phases; euhedral and anhedral. Saussurite alteration at the core. Weathered grain margins. Accesssory and secondary magnetite. Hornblende and biotite altered to chlorite. Rock has a locally developed schistosity, with parallel orientation of micas. Rock also has magnetite alteration
Sample 14	Granodiorite	48	34	10			5							3	Coarse-grained, white and green. Secondary accessory pyrite, fractured plagioclase and quartz grains. Quartz grains are internally fractured, and moderate dynamic recrystalization. Saussuritic alteration of plagioclase feldspar is pervasive. Hornblende altered to chlorite and hornblende psuedomorphs. Sericitization along grain boundaries and within fractures. Rock has a locally developed schistocity, with a lineation defined by the parallel orientation of muscovite and chlorite along the foliation plane.
Sample 15	Mafic Dyke														Fine grained and grey with primary major hornblende, K-feldspar, moderate quartz and plagioclase and minor magnetite, chlorite and plagioclase phenocrysts.*

* fine-grained nature of sample makes modal estimations unrepresentative. Classified according to La Maitre et al. 2002.