

Figure 1. Regional geological map of the Rio Grande project, highlighting the Três Estradas and Joca Tavares carbonatites and the exploration targets that the Company is currently exploring: Santa Clara, Mato Grande, Porteira and Santa Ines.

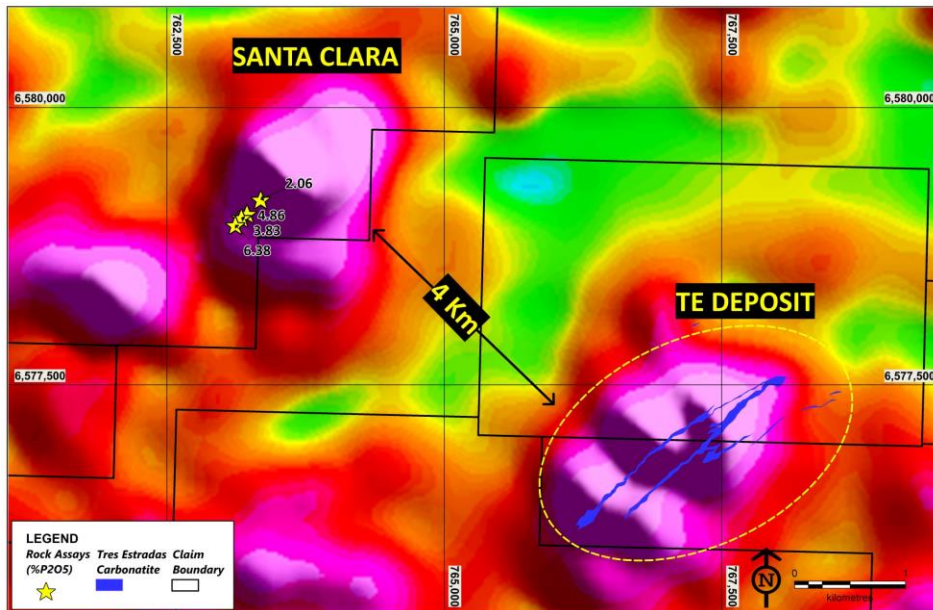


Figure 2. Airborne magnetics of the Santa Clara target highlighting rock samples grading up to 6.38%  $P_2O_5$ . This target sits 4 km northwest from Três Estradas.

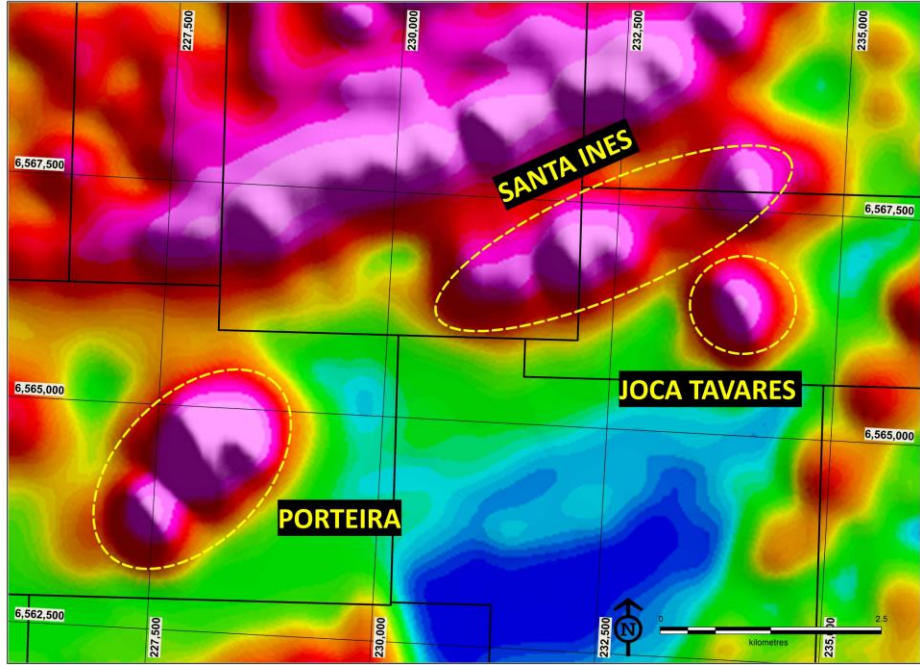


Figure 3. Airborne magnetics of the Santa Ines and Porteira targets, which are adjacent to the Joca Tavares carbonatite.

Table 1. Regional exploration results on rock sampling.

TARGET	Sample_ID	UTM_E	UTM_N	Sample Type	Lithology	P2O5%	CaO%	Al2O3%	Fe2O3%	MgO%	SiO2%	CaO/P2O5
Santa Clara	55897	763116	6578942	Rock	Weathered Carbonatite	6,38	9,11	8,91	12,10	2,36	40,90	1,43
Santa Clara	55894	763221	6579044	Rock	Carbonatite	4,86	47,10	0,42	4,82	2,74	3,17	9,70
Santa Clara	55895	763171	6579008	Rock	Carbonatite	3,83	48,80	0,52	3,70	2,57	2,79	12,75
TARGET	Sample_ID	UTM_E	UTM_N	Sample Type	Litho	P2O5%	CaO%	Al2O3%	Fe2O3%	MgO%	SiO2%	CaO/P2O5
Porteira	62658	228612	6564885	Rock	Weathered Carbonatite	14,57	28,20	4,52	10,30	4,91	21,60	1,94
Porteira	62536	228303	6564574	Rock	Weathered Carbonatite	11,00	14,05	2,74	15,11	0,85	47,70	1,28
Porteira	62660	227937	6564946	Rock	Lithic Sandstone	10,03	10,20	5,90	18,80	<0.1	46,80	1,02
Porteira	62550	228559	6564782	Rock	Carbonatite	7,28	7,23	4,04	13,20	0,29	57,10	0,99
Porteira	62554	228847	6565560	Rock	Lithic Sandstone	6,74	6,50	3,69	20,20	0,18	54,10	0,97
Porteira	62657	228592	6564830	Rock	Carbonatite	6,56	7,37	4,87	9,90	0,33	62,50	1,12
Porteira	62534	228584	6564813	Rock	Carbonatite	6,50	26,10	2,01	7,02	6,32	28,80	4,02
Porteira	62553	228815	6565640	Rock	Lithic Sandstone	5,44	5,35	4,99	12,10	<0.1	67,20	0,98
Porteira	56598	227382	6564476	Rock	Lithic Sandstone	5,44	5,71	4,81	10,10	0,21	68,10	1,05
Porteira	62549	228324	6564556	Rock	Lithic Sandstone	5,20	6,50	0,54	10,90	<0.1	74,10	1,25
TARGET	Sample_ID	UTM_E	UTM_N	Sample Type	Litho	P2O5%	CaO%	Al2O3%	Fe2O3%	MgO%	SiO2%	CaO/P2O5
Santa Ines	62694	232237	6566898	Rock	Siltstone	20,534	21,9	8,2	16,3	0,48	23,6	1,07
Santa Ines	62204	231648	6566541	Rock	Siltstone	20,198	26,7	6,78	4,93	0,55	35,5	1,32
Santa Ines	62203	231633	6566547	Rock	Siltstone	16,324	20,5	7,56	10,9	0,61	37,9	1,26
Santa Ines	74547	234252	6567697	Rock	Siltstone	15,51	20,6	8,48	10,8	1,4	36,3	1,33
Santa Ines	82980	231006	6566546	Rock	Carbonatite	13,985	20,1	3,41	32,6	3,22	16,3	1,44
Santa Ines	82984	230940	6566536	Rock	Carbonatite	13,664	18,1	5,72	28,8	4,29	19	1,32
Santa Ines	74576	233392	6567390	Rock	Siltstone	13,59	18,1	8,38	15,3	2,04	37,8	1,33
Santa Ines	62189	231638	6566885	Rock	Sandstone	13,511	17,5	3,06	8,17	0,32	53	1,30
Santa Ines	62170	232002	6567150	Rock	Sandstone	13,278	16,4	4,24	6,48	0,3	54,7	1,24
Santa Ines	62843	232240	6566890	Rock	Siltstone	13,248	14	5,65	23,1	0,41	34	1,06
Santa Ines	62213	231210	6566463	Rock	Siltstone	13,096	16,7	10,5	9,95	1,27	43	1,28
Santa Ines	62190	231595	6566846	Rock	Sandstone	13,037	15,3	3,36	9,7	0,18	53,4	1,17
Santa Ines	62703	232474	6567096	Rock	Carbonatite	12,874	15,4	3,85	32,1	0,8	22,1	1,20
Santa Ines	62712	233090	6567594	Rock	Sandstone	12,289	3,63	4,31	20,7	<0,1	50,4	0,30
Santa Ines	74556	233677	6567282	Rock	Siltstone	12,067	16,3	7,67	15,9	1,97	39,4	1,35
Santa Ines	62711	232622	6567259	Rock	Carbonatite	11,99	14,6	3,44	26,9	0,95	30,8	1,22
Santa Ines	74542	234627	6567938	Rock	Siltstone	11,072	12,3	4,61	23,3	0,35	41	1,11
Santa Ines	62193	231512	6566826	Rock	Sandstone	10,918	13	4,99	8,4	0,41	57,1	1,19
Santa Ines	82966	231253	6566686	Rock	Carbonatite	10,623	32,4	0,99	3,46	6,95	18,7	3,05
Santa Ines	82975	231380	6566751	Rock	Sandstone	10,424	13,4	4,05	9	0,29	57,7	1,29
Santa Ines	74559	233624	6567373	Rock	Siltstone	10,258	12,2	7,09	34,6	1,38	24,7	1,19

TARGET	Sample_ID*	Drillhole#	Depth	Sample Type	Litho	P2O5%	CaO%	Al2O3%	Fe2O3%	MgO%	SiO2%	CaO/P2O5
Santa Ines	74562	233865	6567398	Rock	Siltstone	10	12,3	11,5	16	1,79	40,8	1,23
Mato Grande	TA2	2	234,70	Core	Carbonatite	2,68	33,00	0,13	2,40	17,50	0,71	12,31
Mato Grande	TA3	2	235,10	Core	Carbonatite	5,58	34,70	0,15	3,33	14,50	2,01	6,22
Mato Grande	TA9	4	45,00	Core	Carbonatite	2,00	31,80	0,23	2,64	17,15	0,79	15,90
Mato Grande	TA19	5	52,35	Core	Carbonatite	4,71	41,50	0,27	2,55	9,59	1,88	8,81
Mato Grande	TA20	5	54,25	Core	Carbonatite	8,38	36,90	0,61	3,32	10,70	6,71	4,40
Mato Grande	TA1	2	199,80	Core	Amphibolite	2,72	47,90	1,26	4,02	2,38	4,45	17,61
Mato Grande	TA5	2	237,20	Core	Amphibolite	5,31	46,90	0,15	2,30	5,50	1,44	8,83
Mato Grande	TA8	2	239,40	Core	Amphibolite	3,17	38,70	3,16	6,07	5,80	9,26	12,21
Mato Grande	TA9-10	4	45,05	Core	Amphibolite	4,46	50,30	0,26	2,70	2,40	0,83	11,28
Mato Grande	TA11-12	4	45,30	Core	Amphibolite	1,67	52,40	0,18	0,53	1,90	0,77	31,38

\*Cerva-Alves *et al.* Integrated Field, mineralogical and Geochemical characteristics of Caçapava do Sul alvikite and berfosite intrusions. A new Ediacaran carbonatite complex in southernmost Brazil. *Ore Geology Reviews*, 2017.