

Iron mineral resources in 2021

Mineral resources (mineral reserves excluded)

as at 31 December 2021 (including sorting plants)

	Quantity, Mt		Percent, Fe			Quantity, Mt		Percent, Fe			Quantity, Mt		Percent, Fe	
	2021	2020	2021	2020		2021	2020	2021	2020		2021	2020	2021	2020
Kiruna magnetite¹⁾					Leveäniemi mixed					Mertainen magnetite				
Measured	112	–	64.0	–	Measured	1	–	59.4	–	Measured	63	60	34.1	36.0
Indicated	481	399	61.9	61.6	Indicated	1	–	53.6	–	Indicated	68	97	35.0	38.5
Inferred	90	314	56.0	58.3	Inferred	0.04	–	57.2	–	Inferred	24	72	31.8	34.4
Total	683	713	61.4	60.1	Total	2	–	57.7	–	Total	155	229	34.1	36.5
Kiruna					Leveäniemi hematite					Mertainen				
Must Take	6	–	8.6	–	Measured	–	1	–	59.5	Must Take	–	–	–	–
Malmberget magnetite					Indicated	–	0	–	49.0	Per Geijer magnetite				
Measured	211	40	58.0	56.8	Inferred	–	0	–	–	Measured	–	–	–	–
Indicated	258	289	57.7	57.2	Total	–	1	–	59.4	Indicated	–	–	–	–
Inferred	373	378	58.4	58.7	Leveäniemi					Inferred	281	–	56.3	–
Total	842	707	58.0	58.0	Must Take	–	–	–	–	Total	281	–	56.3	–
Malmberget mixed					Gruvberget magnetite					Per Geijer mixed				
Measured	4	–	59.0	–	Measured	36	23	56.0	53.7	Measured	–	–	–	–
Indicated	18	–	52.0	–	Indicated	110	24	43.5	50.7	Indicated	–	–	–	–
Inferred	4	–	53.4	–	Inferred	68	147	41.1	49.9	Inferred	72	–	49.2	–
Total	27	–	53.3	–	Total	214	194	44.8	50.5	Total	72	–	49.2	–
Malmberget hematite					Gruvberget mixed					Per Geijer hematite				
Measured	5	3	63.0	51.8	Measured	7	–	56.9	–	Measured	–	–	–	–
Indicated	6	44	55.1	53.3	Indicated	19	–	42.2	–	Indicated	–	–	–	–
Inferred	0.1	23	48.1	53.3	Inferred	25	–	57.0	–	Inferred	55	–	51.3	–
Total	11	71	58.5	53.2	Total	51	–	51.4	–	Total	55	–	51.3	–
Malmberget					Gruvberget hematite					Per Geijer				
Must Take	101	–	24.5	–	Measured	12	17	55.6	52.9	Must Take	0.3	–	13.3	–
Leveäniemi magnetite					Indicated	29	17	40.7	50.1					
Measured	90	68	43.0	47.5	Inferred	53	23	60.5	50.8					
Indicated	58	64	43.1	41.6	Total	94	57	53.8	51.2					
Inferred	14	9	36.4	38.8	Gruvberget									
Total	162	141	42.5	44.2	Must Take	5	–	16.3	–					

1) Including Konsuln.

Iron mineral reserves in 2021

Iron mineral reserves

as at 31 December 2021 (including sorting plants)

	Quantity, Mt		Percent, Fe	
	2021	2020	2021	2020
Kiruna				
Proved	336	246	42.2	42.6
Probable	494	491	41.2	40.9
Total	830	737	41.6	41.5
Malmberget magnetite				
Proved	247	79	40.6	38.2
Probable	37	186	39.4	39.5
Total	284	265	40.4	39.1
Malmberget hematite				
Proved	8	6	46.7	44.6
Probable	6	9	45.5	43.7
Total	14	15	46.2	44.0
Leveäniemi				
Proved	74	81	50.7	50.3
Probable	11	10	24.2	36.8
Total	86	91	47.2	48.9

Phosphorous and rare earth element mineral resources in 2021

Phosphorous mineral resources (Inclusive of reserves)

as at 31 December 2021

	Quantity, Mt		Percent, Fe	
	2021	2020	2021	2020
Kiruna¹⁾				
Measured	704	188	0.17	0.1
Indicated	555	893	0.57	0.3
Inferred	90	327	0.12	0.5
Must Take	24	–	0.26	–
Total	1,373	1,407	0.33	0.3
Malmberget				
Measured	474	99	0.74	0.7
Indicated	352	429	0.50	0.7
Inferred	377	384	0.45	0.5
Must Take	168	–	0.60	–
Total	1,371	912	0.58	0.6
Svappavaara				
Measured	292	–	0.42	–
Indicated	287	–	0.49	–
Inferred	184	–	0.59	–
Must Take	5	–	0.61	–
Total	769	–	0.49	–
Per Geijer				
Measured	–	–	–	–
Indicated	–	–	–	–
Inferred	407	–	2.73	–
Must Take	1	–	1.03	–
Total	408	–	2.73	–

REE mineral resources (Inclusive of reserves)

as at 31 December 2021

	Quantity, Mt		PPM, TREO ²⁾	
	2021	2020	2021	2020
Kiruna¹⁾				
Measured	–	–	–	–
Indicated	–	–	–	–
Inferred	1,349	–	164	–
Must Take	24	–	129	–
Total	1,373	–	163	–
Malmberget				
Measured	–	–	–	–
Indicated	–	–	–	–
Inferred	1,203	–	226	–
Must Take	168	–	232	–
Total	1,371	–	227	–

1) Including Konsuln.

2) Total rare earth oxide (TREO).