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RioTinto

Notice to ASX/LSE

Mineral Resources and Ore Reserves updates

19 February 2025

Rio Tinto has today announced to the Australian Securities Exchange (ASX) changes in Mineral Resources and Ore Reserves to support its 2024 annual reporting [1], including:

- Increased Proved Ore Reserves and decreased Mineral Resources at the Rio Tinto Aluminium (RTA) Pacific
 Operations Amrun deposit in Queensland, Australia.
- Increased Indicated Mineral Resources at the Rio Tinto Copper Winu project in Western Australia, Australia.
- Increased Mineral Resources at the Rio Tinto Iron and Titanium Quebec Operations (RTITQO) in Quebec,
 Canada.
- Increased Ore Reserves and decreased Mineral Resources at the RTA Atlantic Operations Porto Trombetas deposit in Brazil. Porto Trombetas is operated by the Mineração Rio do Norte (MRN) joint venture.

Supporting information relating to the changes of Mineral Resources and Ore Reserves is set out in the Table 1 Release and its appendices. This release provides a summary of those changes. Mineral Resources and Ore Reserves are quoted in this release on a 100 percent basis. Mineral Resources are reported in addition to Ore Reserves. The figures used to calculate Mineral Resources and Ore Reserves are often more precise than the rounded numbers shown in the tables, hence small differences may result if the calculations are repeated using the tabulated figures.

These changes will be included in Rio Tinto's 2024 Annual Report, to be released to the market on 19 February 2025 (London time), which will set out in full Rio Tinto's Mineral Resources and Ore Reserves position as at 31 December 2024, and Rio Tinto's interests.

Rio Tinto Aluminium Pacific Operations - Amrun

Mineral Resources and Ore Reserves for the RTA Pacific Operations [2], including the Amrun deposit, are presented in Table A and Table B. The updated Ore Reserves at Amrun reflect a material change in classification. Proved Ore Reserves have increased by 203 million tonnes (Mt) (77%), while Probable Ore Reserves have decreased by 176 Mt (26%). The change in Ore Reserves classification reflects a higher level of confidence in the modifying factors resulting from completion of an access study, and increased confidence in the underlying Mineral Resources as a result of updated orebody knowledge. There has been no material change to other modifying factors, including governmental, tenure, environmental, cultural heritage or community factors. Mineral Resources exclusive of Ore Reserves have decreased by 41 Mt (5%) at Amrun due to the conversion of Mineral Resources to Ore Reserves, and updated orebody knowledge.

Rio Tinto Copper - Winu

Mineral Resources for Winu^[3] are presented in Table C. Indicated Mineral Resources comprise 63% of these Mineral Resources, which is a substantial increase from the previously reported 31% of Mineral Resources. This change is

the result of the implementation of a different classification methodology which uses the relationship between drill hole spacing and orebody uncertainty as determined by conditional simulation of copper grades. The total Mineral Resources tonnage has increased by 19 Mt (2.7%) in comparison to the previously reported estimates.

Rio Tinto Iron and Titanium Quebec Operations

Mineral Resources for RTITQO^[4] are presented in Table D. Significant technical work conducted from 2000 to 2024 on the Grader deposit situated 3 kilometres (km) from the main Lac Tio hemo-ilmenite deposit, with over 4,800 metres (m) of drilling, and the development of a new resource model, has resulted in a 26.7 Mt (100%) increase in Mineral Resources.

Rio Tinto Aluminium Atlantic Operations - Porto Trombetas (MRN)

Mineral Resources and Ore Reserves for the RTA Atlantic Operations, Porto Trombetas deposit are presented in Table E and Table F. Probable Ore Reserves have increased by 167 Mt, while Proved Ore Reserves have decreased by 4 Mt for an overall increase in Ore Reserves of 163 Mt (354%). The increase in Ore Reserves is attributed to the issuance of the Preliminary Licence for the New Mines Project by IBAMA (the Brazilian Federal Environmental Agency). There have been no other significant changes in modifying factors, including governmental, tenure, cultural heritage, community factors, or operational aspects.

Measured Mineral Resources have decreased by 178 Mt and Inferred Mineral Resources have decreased by 112 Mt for an overall decrease of 290 Mt (50%). The decrease in Mineral Resources is partly due to the conversion of bauxite from Mineral Resources to Ore Reserves, as mentioned above, as well as to the downgrade of certain plateaus, containing only historical drilling data, from the Inferred Resource category to non-Resource status. The methodology for determining Mineral Resources remains unchanged.

Table A Rio Tinto Aluminium Pacific Operations Mineral Resources as at 31 December 2024

	Likely mining		Ineral Resources cember 2024		Indicated Mr as at 31 Dec		Total Measure Resources as	
	method ⁽¹⁾	Tonnage	Grade		Tonnage	Grade		Tonnage
Bauxite		Mt	% Al ₂ O ₃	% SiO ₂	Mt	% Al ₂ O ₃	% SiO ₂	Mt
Rio Tinto Aluminium (Australia) (2)								
- Amun	O/P	129	49.1	11.7	380	49.7	11.8	509
- East Weipa and Andoom	Q/P	36	48.0	8.9	-	-	-	36
- Gove	O/P	10	47.7	9.0	0.1	49.5	8.4	10
- North of Weipa	O/P	-	-	-	202	52.0	11.1	202
Total (Australia)		175	48.8	11.0	583	50.5	11.6	758

		eral Resources cember 2024	Total Mineral Resources as at 31 December 2024			Rio Tinto interest	Total Mineral as at 31 Dec	
	Tonnage	Grade		Tonnage	Grade			Tonnage
Bauxite	Mt	% Al ₂ O ₃	% SiO ₂	Mt	% Al ₂ O ₃	%SiO ₂	%	Mt
Rio Tinto Aluminium (Australia) (2)								
- Amun	238	51.4	12.4	747	50.1	12.0	100.0	788
- East Weipa and Andoom	-	-	-	36	48.0	8.9	100.0	43
- Gove	-	-	-	10	47.7	9.0	100.0	9
- North of Weipa	1,248	51.8	11.4	1,451	51.9	11.4	100.0	1,451
Total (Australia)	1,486	51.8	11.6	2,244	51.2	11.5		2,291

^{1.} Likely mining method: O/P = open pit/surface.

^{2.} Ro Tinto Aluminium bauxite Mneral Resources are stated as dry product tonnes and total alumina and silica grades.

	UI	as at a l ho	CIIDCI 2024		as at a l hou	202 4	as at a i neceii		
	mine ⁽¹⁾	Tonnage	Grade		Tonnage	Grade		Tonnage	(
Bauxite ⁽²⁾		Mt	% Al ₂ O ₃	% SiO ₂	Mt	% Al ₂ O ₃	% SiO ₂	Mt	
Rio Tinto Aluminium (Australia) ⁽³⁾									
- Amrun	O/P	466	54.6	8.8	512	54.3	9.1	978	
- East Weipa and Andoom	O/P	55	50.6	8.1	2	48.9	8.5	56	
- Gove	O/P	44	50.0	6.4	4	50.3	6.7	48	
Total (Australia)		565	53.8	8.6	518	54.2	9.1	1,083	

	Rio Tinto	Rio Tinto share	Total Ore Rese	erves as at 31 Dece	ember 2023
	interest	recoverable mineral	Tonnage	Grade	
Bauxite ⁽²⁾	%	Mt	Mt	% Al ₂ O ₃	% SiO ₂
Rio Tinto Aluminium (Australia) (3)					
- Amrun	100.0	978	950	54.3	9.1
- East Weipa and Andoom	100.0	56	72	50.5	8.0
- Gove	100.0	48	58	50.2	6.4
Total (Australia)	100.0	1,083	1,080	53.8	8.8

- 1. Type of Mne: O/P = open pit/surface.
- 2. Bauxite Ore Reserves are stated as recoverable Ore Reserves of marketable product after accounting for all mining and processing losses. Mll recoveries are therefore not shown.
- 3. Australian bauxite Ore Reserves are stated as dry tonnes and total alumina and silica grade.

Table C Rio Tinto Copper Winu Mineral Resources as at 31 December 2024

	Likely mining		Mneral Reso ecember 202				Indicated Mneral Resources as at 31 December 2024				Total Measured a Resources as at	
	method ⁽¹⁾	Tonnage	Grade			Tonnage	Grade			Tonnage		
Copper ⁽²⁾		Mt	% Cu	g/t Au	g/t Ag	Mt	% Qu	g/t Au	g/t Ag	Mt		
Winu	O/P	-	-	-	-	464	0.39	0.32	2.24	464		

		eral Resources cember 2024		Total Mineral Resources as at 31 December 2024			Rio Tinto	Total Mne as at 31 D			
	Tonnage	Grade			Tonnage	Grade			interest	Tonnage	Gr
Copper ⁽²⁾	Mt	% Qu	g/t Au	g/t Ag	Mt	%Cu	g/t Au	g/t Ag	%	Mt	
Winu	277	0.41	0.36	2.12	741	0.40	0.33	2.20	100.0	721	

- 1. Likely mining method: O/P = open pit/surface.
- 2. Copper Mineral Resources are stated on a dry in situ weight basis.

Table D Rio Tinto Iron and Titanium Quebec Operations Mineral Resources as at 31 December 2024

	Likely mining	Measured Mneral Resources as at 31 December 2024		Indicated M as at 31 De	Total Measure Resources as	
	method ⁽¹⁾	Tonnage	Grade	Tonnage	Grade	Tonnage
Titanium dioxide feedstock ⁽²⁾	Mt	Mt	% Ti Minerals	Mt	% Ti Mnerals	Mt
Rio Tinto Iron and Titanium (RTIT) Quebec Operations						
(Canada))						
- Grader	O/P	19	82.0	9	81.8	28
- Beaver	O/P	-	-	-	-	-
- Tio	O/P	-	-	-	-	-
Total		19	82.0	9	81.8	28

	Inferred Mineral Resources as at 31 December 2024			ral Resources cember 2024	Rio Tinto interest	Total Mneral Resass at 31 December	
	Tonnage	Tonnage Grade Tonnage Grade		ınterest	Tonnage	Gr	
Titanium dioxide feedstock ⁽²⁾	Mt	% Ti Mnerals	Mt	%Ti Minerals	%	Mt	%
Rio Tinto Iron and Titanium (RTIT) Quebec Operations (Canada))							
- Grader	10	80.4	38	81.6	100.0	11	
- Beaver	16	79.2	16	79.2	100.0	16	
- Tio	-	-	-	-	100.0	-	
Total	25	79.7	53	80.9		27	

- 1. Likely mning metnoa: UP = open pit/surrace.
- 2. Titanium dioxide feedstock Mineral Resources are reported as dry in situ tonnes.

Table E Rio Tinto Aluminium Atlantic Operations Porto Trombetas (MRN) Mineral Resources as at 31 December 2024

	Likely mining					Indicated Mineral Resources as at 31 December 2024		
	method ⁽¹⁾	Tonnage	Grade		Tonnage	Grade		Tonnage
Bauxite		Mt	$\% Al_2O_3$	% SiO ₂	Mt	% Al ₂ O ₃	% SiO ₂	Mt
Porto Trombetas (MRN) (Brazil) ⁽²⁾	O/P	244	46.8	5.9	3	49.1	2.5	247

	Inferred Mne as at 31 Dec	eral Resources ember 2024			otal Mineral Resources at 31 December 2024			Total Mineral as at 31 Dec
	Tonnage	Grade		Tonnage	Grade			Tonnage
Bauxite	Mt	% Al ₂ O ₃	% SiO ₂	Mt	%Al ₂ O ₃	%SiO ₂	%	Mt
Porto Trombetas (MRN) (Brazil) ⁽²⁾	34	47.3	5.2	282	46.9	5.8	22.0	571

- 1. Likely mining method: O/P = open pit/surface.
- 2. Porto Trombetas (MRN) Mneral Resources are stated as dry in situ tonnes, available alumina grade and total reactive silica grade.

Table F Rio Tinto Aluminium Atlantic Operations Porto Trombetas (MRN) Ore Reserves as at 31

December 2024

	Type of	Proved Ore as at 31 De	Reserves cember 2024	Probable Ore Reserves as at 31 December 2024				
	mine ⁽¹⁾	Tonnage	Grade		Tonnage	Grade		Tonnage
Bauxite ⁽²⁾		Mt	% Al ₂ O ₃	% SiO ₂	Mt	% Al ₂ O ₃	% SiO ₂	Mt
Porto Trombetas (MRN) (Brazil) ⁽³⁾	O/P	39	48.0	5.2	170	49.1	4.6	209

	Rio Tinto interest	Rio Tinto share recoverable mineral	Total Ore Re as at 31 Dec	eserves cember 2023	
	II ILCI CSI		Tonnage	Grade	
Bauxite ⁽²⁾	%	Mt	Mt	% Al ₂ O ₃	% SiO ₂
Porto Trombetas (MRN) (Brazil) ⁽³⁾	22.0	46	46	48.9	4.9

- 1. Type of Mne: O/P = open pit/surface.
- 2. Bauxite Ore Reserves are stated as recoverable Ore Reserves of marketable product after accounting for all mining and processing losses. Mll recoveries are therefore not shown.
- 3. Porto Trombetas (MRN) Ore Reserves are stated as dry tonnes, available alumina grade and reactive silica grade.

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This announcement is authorised for release to the market by Andy Hodges, Rio Tinto's Group Company Secretary.

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In these Mineral Resources and Ore Reserves were reported in accordance with the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, 2012 (JORC Code) and the ASX Listing Rules in a release to the ASX dated 19 February 2025 titled "Ore Reserve and Mineral Resource updates: supporting information and Table 1 checklists" (Table 1 Release). Rio Tinto confirms that it is not aware of any new information or data that materially affects the information included in the Table 1 Release, that all material assumptions and technical parameters underpinning the estimates in the Table 1 Release continue to apply and have not materially changed, and that the form and context in which the Competent Persons' findings are presented have not been materially modified.

The Competent Person for the information in the Table 1 Release that relates to RTA Pacific Operations Mineral Resources is Mr Angus C.

McIntyre, who is a Member of the Australasian Institute of Mining and Metallurgy (Maus IMM). The Competent Person for the information in the Table 1 Release that relates to RTA Pacific Operations Ore Reserves is Mr William Saba Maus IMM.

^[3] The Competent Person for the information in the Table 1 Release that relates to Winu Mneral Resources is Mr James Pocoe MausIMM

^[4] The Competent Person for the information in the Table 1 Release that relates to the data and geological models underpinning the RTITQO

Mneral Resources is Mr. Francois Kerr-Gillespie, who is a Member of the Ordre des geologues du Quebec (OGQ). The Competent Person for the information in the Table 1 Release that relates to RTITQO Mneral Resources is Mr Jacques Dumouchel (OGQ).

The Competent Person for the information in the Table 1 Release that relates to RTA Atlantic Operations - Porto Trombetas (MRN) Mineral Resources is Mr Robson Aglinskas MausIMM. The Competent Person for the information in the Table 1 Release that relates to RTA Atlantic Operations - Porto Trombetas (MRN) Ore Reserves is Mr Luiz Henrique Diniz Costa MausIMM.

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