

Glencore Region	Africa	Africa	Africa	Africa	Africa	Africa	Africa
1. "Tailings Facility" Name/Identifier	Mutanda Mumi Mine, Kolwezi, Democratic Republic of Congo, Mumi 1	Mutanda Mumi Mine, Kolwezi, Democratic Republic of Congo, Mumi 2	Waterval Mine, North West Province, South Africa, Waterval West TSF	Waterval Mine, North West Province, South Africa, Waterval East TSF	Goedgevonden Complex, Emalahleni, ZAF, Goedgevonden	iMpunzi Complex, Emalahleni, ZAF, Phoenix	iMpunzi Complex, Emalahleni, ZAF, ATCOM
2. Location	10°47'30"S, 25°48'29"E	10°47'29"S, 25°48'52"E	25°40'35.7"S, 27°15'54.7"E	25°41'03.7"S, 27°16'09.6"E	26° 5'44"S, 29° 5'5"E	26° 6'20"S, 29°12'59"E	26° 6'57"S, 29°15'11"E
3. Ownership	Subsidiary	Subsidiary	JV	JV	Subsidiary	Subsidiary	Subsidiary
4. Status	Inactive	Active	Closed	Closed	Active	Inactive	Active
5. Date of initial operation	2010	2013	1989	1989	2005	1950	2015
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	Downstream	Downstream	Upstream	Upstream	Centerline	Downstream	Downstream
8. Current Maximum Height (m)	33	18.5	22.6	11.4	23.3	20	18
9. Current Tailings Storage Impoundment Volume (Mm ³)	6.07	0.65	0.12	0.429	18.4	30.0	11.0
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	0.0 (see Q20)	0.0 (see Q20)	0.12	0.429	22.0	30.0	14.5
11. Most Recent Independent Expert Review	KCB, 2019	KCB, 2019	KCB, 2019	KCB, 2019	KCB, 2019	KCB, 2019	KCB, 2019
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Extreme	Extreme	Low	Low	High	High	High
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	Both	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2016	Yes, 2016	Yes, 2018	Yes, 2018	Yes, 2019	Yes, 2020	Yes, 2019
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.	(Q10) Mumi 1 is being hydro-mined as part of closure plan. Materials to be re-processed and sent to Mumi 3	(Q10) Mumi 2 solution to be used as part of the hydro-mining process of Mumi 1. The TSF will be emptied and decommissioned as part of the Mumi 1 hydro-mining process.					

Glencore Region	Africa	Africa	Africa	Africa	Africa	Africa	Africa
1. "Tailings Facility" Name/Identifier	Tweefontein Complex, Emalahleni, ZAF, Boschmans TSF	Tweefontein Complex, Emalahleni, ZAF, New Tavistock Dump TSF	Tweefontein Complex, Emalahleni, ZAF, Old Tavistock Dump	Tweefontein Complex, Emalahleni, ZAF, New South Witbank Waste Dump TSF	Kamoto Copper Mine, Kolwezi, Democratic Republic of Congo, KITD TSF	Kamoto Copper Mine, Kolwezi, Democratic Republic of Congo, Mupine Pit, Mupine Pit TSF	Mutanda Mumi Mine, Kolwezi, Democratic Republic of Congo, Mumi 3
2. Location	26° 2'12"S, 29° 7'40"E	26° 9'6"S, 29°11'19"E	26° 8'21"S, 29°11'44"E	26° 9'58"S, 29° 8'54"E	10°43'57"S, 25°23'30"E	10°41'59"S, 25°24'7"E	10°47'32"S, 25°51'39"E
3. Ownership	Subsidiary	Subsidiary	Subsidiary	Subsidiary	JV	JV	Subsidiary
4. Status	Active	Inactive	Closed	Inactive	Inactive	Active	Active
5. Date of initial operation	2011	2006	2005	2005	2007	2017	2014
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	Downstream	Downstream	Downstream	Downstream	Centerline	Hybrid	Downstream
8. Current Maximum Height (m)	35	25	20	5	12	19	32
9. Current Tailings Storage Impoundment Volume (Mm ³)	21.0	10.0	8.4	4.5	4.0	24.0	17.0
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	23.0	10.0	8.4	4.5	0.0 (see Q20)	47.0	27.0
11. Most Recent Independent Expert Review	KCB, 2019	KCB, 2019	KCB, 2019	KCB, 2019	KCB, 2018	KCB, 2018	KCB, 2019
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	High	Significant	Low	Significant	Significant	High	Extreme
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	Both	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2019	Yes, 2020	Yes, 2020	Yes, 2020	Yes, 2005	Yes, 2005	Yes, 2016
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, No (see Q20)	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.					(Q10) The tailings facility has been mined since 2017 to recover copper and cobalt. (Q18) (& Q4) The facility will be completely mined out and then the extended pit will remove the facility by 2035.		

Glencore Region	Africa	Africa	Africa	Africa	Africa	Africa	Africa
1. "Tailings Facility" Name/Identifier	Mopani Nkana Mine, Kitwe, Zambia, Nkana TD 15A (See Q20)	Mopani Copper, Mufulira, Zambia, Mufulira TSF (See Q20)	Boshhoek Smelter Complex, North West Province, ZAF, Boshhoek Smelter	Rustenburg Smelter, Rustenburg, ZAF, Rustenburg Smelter (See Q20)	Wonderkop Smelter, North West Province, ZAF, Slimes 1	Wonderkop Smelter, North West Province, ZAF, Slimes 2 and 3 (See Q20)	Rhovani Mine, North West Province, South Africa, Rhovani Mine (See Q20)
2. Location	12°48'0"S, 28° 6'58"E	12°32'48"S, 28°11'58"E	25°29'12"S, 27° 6'55"E	25°36'56"S, 27°13'30"E	25°42'57"S, 27°24'18"E	25°42'59"S, 27°24'11"E	25°33'55"S, 27°34'36"E
3. Ownership	JV	JV	JV	JV	JV	JV	JV
4. Status	Active	Active	Active	Active	Inactive	Active	Active
5. Date of initial operation	1980	1980	2005	1989 - 2016	1997	2004 - 2013	1996 - 2012
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	Upstream	Upstream	Downstream	Upstream	Upstream	Upstream	Upstream
8. Current Maximum Height (m)	30	30	10	15.9	17	25	31
9. Current Tailings Storage Impoundment Volume (Mm ³)	116.0	76.0 (see Q20)	0.03	0.37	0.06	0.202	20.0
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	136.0	100.0 (see Q20)	0.04	0.46	0.06	0.39	29.0
11. Most Recent Independent Expert Review	KCB, 2020	KCB, 2020	KCB, 2019	KCB, 2019	KCB, 2019	KCB, 2019	KCB, 2019
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Extreme	Extreme	Significant	Significant	Very High	Very High	Very High
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	Yes (see Q20)	Yes (see Q20)	No	No	No	No	No (see Q20)
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	Both	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2020	Yes, 2018	Yes, 2018	Yes, 2019	Yes, 2017	Yes, 2019	Yes, 2020
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, No	Yes, No	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.	(Q1) Includes secondary dams: Central Wall and East Wall (Q15) Facility was previously designed to be stable against multiple standards. Under an extreme earthquake scenario (>1:500 yr event), the facility does not meet criteria within CDA 2007 (2013) guidelines. Detailed engineering of buttress to CDA guidelines has been completed, which is scheduled for construction in 2021. In addition construction of emergency spillway to pass 1:10 000 yr flood event was completed in 2020 along with decommissioning of redundant decant structure.	(Q1) Includes secondary dams: TD 11 TD2, 6, 7, & 9 and TD 3, 4, 5 & 8 (Q9) Current Tonnage 76 M Tonne impounded TSF design capacity 90 M Tonne (Q10) Current Tonnage 76 M Tonne impounded TSF design capacity 90 M Tonne (Q15) Facility was previously designed to be stable against multiple standards. Under an extreme earthquake scenario (>1:1000 yr event), the facility does not meet criteria within CDA 2007 (2013) guidelines. Detailed engineering of buttress to CDA guidelines is in progress based on updated field investigations. Construction scheduled to commence later in 2021.		(Q1) Includes Secondary Dams: Slimes 1, 2, 3, and 4		(Q1) Includes Secondary Dams: Slimes Dam 2, Slimes Dam 3	(Q15) Previously disclosed in 2019 as a 'Yes' due to facility not meeting CDA guidelines for extreme earthquake scenario. From additional CPT testing completed in 2019 the Engineer of Record has advised meets CDA criteria. Currently under review for future closure requirements. (Q1) Includes secondary dams: Dam 1 and Dam 2

Glencore Region	Africa	Africa	Africa	Africa	Africa	Africa	Asia
1. "Tailings Facility" Name/Identifier	Kroondal Mine, North West Province, South Africa, Kroondal Mine	Rietvly Silica Mine, ZAF, Rietvly	Lydenburg Smelter, Mpumalanga Province, South Africa, Lydenburg Smelter	Lion Smelter, Mpumalanga, South Africa, Lion Smelter (See Q20)	Thornclyffe Chrome Mine, Mpumalanga, South Africa, Thornclyffe TSF	Helena Chromium Mine, Mpumalanga, South Africa, Helena TSF	Zhaimen Mine, Kazakhstan, Slurry Settler, Lead Gravity Concentrator TSF
2. Location	25°42'38.8"S, 27°19'1"E	25°37'47"S, 27° 7'59"E	25° 4'3"S, 30°28'12"E	24°49'20"S, 30° 7'1"E	24°57'38"S, 30° 7'29"E	25° 0'1"S, 30° 7'11"E	48°17'36"N, 70°12'59"E
3. Ownership	JV	JV	JV	JV	JV	JV	JV
4. Status	Active	Active	Inactive	Active	Active	Inactive	Active
5. Date of initial operation	2002	2017	1997	2006 - 2012	2017	2007	2000
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	Upstream	Upstream	Upstream	Upstream	Upstream	Upstream	Downstream
8. Current Maximum Height (m)	18.9	14.9	25	19.2	18	10	10
9. Current Tailings Storage Impoundment Volume (Mm ³)	0.775	0.0807	0.8	1.12	0.5	0.12	0.7
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	1.07	0.188	0.96	1.52	0.76	0.12	0.7
11. Most Recent Independent Expert Review	KCB, 2019	KCB, 2019	KCB, 2019	KCB, 2019	KCB, 2019	KCB, 2019	KCB, 2016
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Extreme	Low	Significant	High	Significant	Significant	Significant
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No (see Q20)	No	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	Both	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2018	Yes, 2018	Yes, 2018	Yes, 2020	Yes, 2018	Yes, 2018	Yes, 2016
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.	(Q15) Previously identified in 2019 disclosure as a 'Yes' due to dam not meeting CDA guideline for extreme earthquake scenario. Dam designed against national standards. Under an extreme earthquake scenario (1:1000 yr event), the dam does not meet acceptance criteria against CDA Guidelines. Additional geotechnical site investigations were completed in 2019 and a construction of buttress completed 2020 so that dam meets CDA acceptance criteria.			(Q1) Includes Secondary Dams: Cell 1, Cell 2 and 3 Facility end of life: October 2023			

Glencore Region	Asia	Asia	Asia	Asia	Asia	Asia	Europe
1. "Tailings Facility" Name/Identifier	Zhairem Mine, Kazakhstan, Flotation TSF	Zhairem Mine, Kazakhstan, Slurry Settler Mg Concentrator TSF	Altyntau-Kokshetau Complex, Kazakhstan, Altyntau-Kokshetau TSF	Zyryanovsky Concentrator, Kazakhstan, Zyryanovsky TSF	Ridder Mine, Kazakhstan, Chashinsky TSF	Ridder Mine, Kazakhstan, Talovsky TSF	Asturiana De Zinc Smelter, Spain, Balsa I TSF
2. Location	48°13'18"N, 70°15'33"E	48°22'39"C, 70°18'50"B	53°24'39"N, 69°11'34"E	49°46'57"N, 84°19'17"E	50°21'46"N, 83°35'49"E	50°23'46"N, 83°35'19"E	43°34'53"N, 5°56'22"W
3. Ownership	JV	JV	JV	JV	JV	JV	Subsidiary
4. Status	Inactive	Active	Active	Active	Inactive	Active	Closed
5. Date of initial operation	2020	1996	2009	1968	1953	1973	1967
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	No (see Q20)	Yes	Yes
7. Raising method	Centerline	Downstream	Upstream	Upstream	Upstream	Upstream	Downstream
8. Current Maximum Height (m)	10	10	23	45	69	64	20
9. Current Tailings Storage Impoundment Volume (Mm ³)	0.6	0.6	45.0	92.0	84.0	115.0	0.5
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	17.9	0.6	60.0	99.0	84.0	123.0	0.5
11. Most Recent Independent Expert Review	KCB, 2020	KCB, 2016	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2018
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Significant	Significant	High	Very High	Extreme	Extreme	Low
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No (see Q20)	Yes (see Q20)	Yes (see Q20)	Yes (see Q20)	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	Both	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2016	Yes, 2016	Yes, 2019	Yes, 2019	Yes, 2016	Yes, 2019	Yes, 2018
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.			(Q15) Dam originally designed against SNIP RK 3.04-01-2008 and was assessed as not meeting CDA guidelines 2007 (2013) for liquefied strengths. Construction of a buttress was largely completed in 2019 to meet CDA guidelines 2007 (2013) under extreme earthquake loading. Independent review and sign off of buttress will be completed once COVID-19 travel restrictions allow.	(Q15) Dam designed against SNIP RK 3.04-01-2008 but does not meet CDA guidelines 2007 (2013) for extreme earthquake loading. To increase stability under extreme earthquake loading construction of a 8km long buttress around the dam wall commenced in 2019 and is targeted for completion in 2024.	(Q6) Additional assessments are in progress to address the findings raised by auditors (Q15) Dam designed against SNIP RK 3.04-01-2008 standards and may not meet CDA guidelines 2007 (2013). Additional CPT investigations completed in late 2019, which were delayed by COVID-19 with preliminary assessments indicating buttressing will be required to address stability concerns during large seismic events. Construction of any required buttress targeted to commence in 2021.	(Q15) Dam originally designed against SNIP RK 3.04-01-2008 standards but does not meet CDA guidelines 2007 (2013). A buttress is currently under construction and largely complete to meet extreme loading criteria under CDA guidelines 2007 (2013). Construction of the buttress is scheduled to be completed in 2021.	

Glencore Region	Europe	Europe	North America	North America	North America	North America	North America
1. "Tailings Facility" Name/Identifier	Asturiana De Zinc Smelter, Spain, Balsa II TSF	Asturiana De Zinc Smelter, Spain, Balsa III TSF	Mines Gaspé, Quebec, Canada, Tailings Storage Facility 1	Mines Gaspé, Quebec, Canada, Tailings Storage Facility 2	Mines Gaspé, Quebec, Canada, Tailings Storage Facility 3	Granisle, British Columbia, Canada, No. 1 Tailings Impoundment	Fonderie Horne, Rouyn-Noranda, Quebec, Canada, Noranda 4
2. Location	43°34'48"N, 5°56'34"W	43°35'1"N, 5°56'17"W	48°55'34"N, 65°27'39"W	48°55'19"N, 65°28'17"W	48°55'0"N, 65°29'56"W	54°56'20"N, 126°10'21"W	48°14'00"N, 79° 4'35"W
3. Ownership	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary
4. Status	Closed	Active	Closed	Closed	Closed	Closed	Active
5. Date of initial operation	1983	1983 - 1995	1955	1963	1972	1966	1947 - 2007
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	Downstream	Downstream	Upstream	Upstream	Downstream	Downstream	Downstream
8. Current Maximum Height (m)	20	20	35	44	54	12	9.1
9. Current Tailings Storage Impoundment Volume (Mm ³)	1.3	1.0	26.7	34.9	5.08	4.0	2.4
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	1.3	1.5	26.7	34.9	5.08	4.0	2.4
11. Most Recent Independent Expert Review	KCB, 2018	KCB, 2018	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Low	High	Low	High	Low	Low	High
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	Both	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2018	Yes, 2018	Yes, 2017	Yes, 2017	Yes, 2017	Yes, 2020	Yes, 2018
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.							

Glencore Region	North America	North America	North America	North America	North America	North America	North America
1. "Tailings Facility" Name/Identifier	Louvicourt, Quebec, Canada, Tailings Storage Facility (See Q20)	Brunswick Mine, New Brunswick, Canada, Mine 12 Tailings Impoundment (See Q20)	Blackbird, Idaho, USA, West Fork Tailings Storage Facility	Grey Eagle, California, USA, Tailings Storage Facility	Mines Gaspé, Quebec, Canada, Dam 6	Geco, Ontario, Canada, Tailings Storage Facility (See Q20)	Heath Steele, New Brunswick, Canada, Tailings Management Area (See Q20)
2. Location	48° 7'57"N, 77°36'5"W	47°29'8"N, 65°53'2"W	45° 5'29"N, 114°18'34"W	41°51'49"N, 123°22'28"W	48°55'9"N, 65°26'15"W	49° 9'47"N, 85°46'20"W	47°16'15"N, 66° 3'46"W
3. Ownership	NOJV	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary
4. Status	Closed (see Q20)	Closed	Closed	Closed	Closed	Closed	Closed
5. Date of initial operation	1993	1964	1950	1982	1973	1955 - 1991	1962 - 1996
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	Downstream	Downstream	Upstream	Downstream	Centerline	Upstream	Downstream
8. Current Maximum Height (m)	15	15	40	131	15	35	21
9. Current Tailings Storage Impoundment Volume (Mm ³)	5.99	71.4	1.1	1.0	0.15	40.0	15.7
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	5.99	71.4	1.1	1.0	0.15	40.0	15.7
11. Most Recent Independent Expert Review	SNC, 2017	KCB, 2017	KCB, 2020	Golder, 2021	KCB, 2020	KCB, 2020	KCB, 2020
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	No (see Q20)	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Very High	High	Significant	High	Significant	High	Very High
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	Both	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2013	Yes, 2010	Yes, 2020	Yes, 2020	Yes, 2019	Yes, 2017	Yes, 2019
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes (see Q20)	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.	(Q1) Other Dams at this TSF are Dam 1, Dam 3, Dam 1A, Dam 1B, Dam 1C, Dam 1D, Dam 1E. This TSF has been reported to match the disclosure of our NOJV Partner. (Q4) The site ceased operations in 2005 and is closed. The closure plan is being implemented.	(Q1) Includes dam walls: West Dam - North Section, West Dam - South Section, South Dam, East Dam E1, East Dam E2, East Dam E3, North Dam (Q13) Information is provided for the highest consequence dam [West Dam (North Section)] in the facility. (Q07) All other dams have lower Consequence Classifications and were constructed using upstream methods. (Q08) Some dams with lower Consequence Classification have higher crest heights, with the maximum crest height for the facility at 35 m [East Dam (E1, E2, E3)].	(Q18) Glencore and Rio Tinto jointly perform response actions in accordance with governmental orders and agreements associated with Blackbird. In reference to the response to question 18a, response actions have been performed at the TSF pursuant to United States Environmental Protection Agency (EPA) administrative orders, and monitoring and maintenance is performed under an EPA-approved operation and maintenance plan. These documents are equivalent to a closure plan.		(Q12) Only partial design documentation is available for Dam 6. Geotechnical drilling was conducted to address knowledge gaps. Documentation of the information and analysis is in progress.	(Q1) Includes dam walls: CP Dam, CN1 Dam, CP 3 Dam, Red Pond (RP) Dam, CN2 Dam, E1-E2 Dam, E3 Dam (Q07) CP Dam, CN1 Dam and CP3 Dam were raised using upstream methods. Red Pond Dam, CN2 Dam, E1-E2 Dam and E3 Dam were raised using centreline methods.	(Q1) Includes dam walls: Main Dam, Powerline Dam, Internal Dam

Glencore Region	North America	North America	North America	North America	North America	North America	North America
1. "Tailings Facility" Name/Identifier	Mattabi, Ontario, Canada, Tailings Storage Facility (See Q20)	Willroy, Ontario, Canada, Tailings Storage Facility	Brenda, British Columbia, Canada, Tailings Storage Facility (See Q20)	Boss Mountain, British Columbia, Canada, Tailings Storage Facility (See Q20)	Bell, British Columbia, Canada, Main Tailings Impoundment (See Q20)	Granisle, British Columbia, Canada, No. 2 Tailings Impoundment (See Q20)	Fonderie Horne, Rouyn-Noranda, Quebec, Canada, Quémont-2 TSF (See Q20)
2. Location	49°52'6"N, 90°57'1"W	49° 9'56"N, 85°49'47"W	49°51'35"N, 119°57'5"W	52° 5'35"N, 120°52'10"W	55° 0'11.14"N, 126°13'56.39"W	54°56'20"N, 126°10'21"W	48°16'16"N, 78°59'11"W
3. Ownership	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary
4. Status	Closed	Closed	Closed	Closed	Closed	Closed	Active
5. Date of initial operation	1971	1950	1969 - 1979	1977	1970 - 1980	1968 - 1970	1949 - 2019
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	Upstream	Upstream	Centerline	Downstream	Downstream	Downstream	Unknown, Centerline, Downstream, Upstream
8. Current Maximum Height (m)	10	21	140	15	52	75	14
9. Current Tailings Storage Impoundment Volume (Mm ³)	10.0	5.3	133.0	5.0	49.0	34.0	11.0
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	10.0	5.3	133.0	5.0	49.0	34.0	11.4
11. Most Recent Independent Expert Review	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	High	High	Extreme	Low	Low	Low	Very High
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	Both	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2019	Yes, 2020	Yes, 1986	Yes, 2017	Yes, 2020	Yes, 2020	Yes, 2017
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.	(Q1) Includes dam walls: Main Dam, East Tailings Dam, South Tailings Dam	(Q1) Includes dam walls: Dam D/G, Dam E, Dam F	(Q1) Includes dam walls: Main Dam, Saddle Dam	(Q1) Includes dam walls: Main Dam, North Tailings Berm	(Q1) Includes dam walls: Dam 1, Dam 2, Dam 3, Dam 4, Dam 5, Dam 6	(Q1) Includes dam walls: Dam 2, Dam 3, Dam 4, Dam 5	(Q1) Includes dam walls: A, AB, B, C, D, E, F, G

Glencore Region	North America	North America	North America	North America	North America	North America	North America
1. "Tailings Facility" Name/Identifier	Fonderie Horne, Rouyn-Noranda, Quebec, Canada, Noranda 5 Polishing Pond (See Q20)	Onaping Area Mines, Ontario, Canada, Strathcona/Onaping TSF (See Q20)	Smelter Complex, Ontario, Canada, Smelter Complex TSF (See Q20)	Nickel Rim Mine, Ontario, Canada, Nickel Rim South TSF (See Q20)	Raglan Mine, Quebec, Canada, Raglan	Hardy Mine, Ontario, Canada, Hardy TSF	CEZinc Processing Plant, Quebec, Canada, Jarosite Triangular, Jarosite
2. Location	48°13'47"N, 79° 5'20"W	46°37'56"N, 81°22'54"W	46°35'33"N, 80°46'59"W	46°40'10"N, 80°48'14"W	61°41'14.73"N, 73°40' 42.29"W	46°38'11"N, 81°24'19"W	45°14'05"N, 74° 7'39"W
3. Ownership	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary
4. Status	Active	Active	Inactive	Inactive	Active	Closed	Active
5. Date of initial operation	2012	1959 - 2005 (see Q20)	1933 - 1946 (see Q20)	1946 - 2003 (see Q20)	1998	1955	1977 - 1990
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes (see Q20)	Yes (see Q20)	Yes	Yes	No (see Q20)	No (see Q20)
7. Raising method	Downstream, Centerline	Centerline	Upstream, Centerline	Centerline	Drystack	Upstream	Downstream
8. Current Maximum Height (m)	9.5	15	15	4	35	15	6
9. Current Tailings Storage Impoundment Volume (Mm ³)	2.07	21.0 (see Q20)	9.0	0.5	11.9	4.0	0.85
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	2.07	32.0 (see Q20)	9.0	0.5	14.0	4.0	0.9
11. Most Recent Independent Expert Review	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2019	KCB, 2020	KCB, 2020
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	No (see Q20)	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Very High	Very High	Very High	Significant	Significant	High	Very High
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	Yes (see Q20)	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	Both	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2018	Yes, 2019	Yes, 2020 (see Q20)	No, -	Yes, 2019	No, - (see Q20)	Yes, 2018
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	No, Yes (see Q20)	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.	(Q1) Includes dam walls: South Dyke, North-East Dyke, West Dyke	(Q5) Tailings deposition started with Fecunis Mill in 1959. Strathcona tailings deposition started in 1968 to the Longvack Mine site and then in 1970 to the current general area. (Q6) Main dam(s) operated in general accordance to design intent. (Q9) Estimate of all tailings stored in TMAs within the TSF. (Q10) Estimated maximum tailings volume in existing constructed TMAs in TSF. There are no containment raises planned due to existing designed long term capacity. (Q15) Construction of new "Narrows Dam" underway to address identified stability concerns and is targeted for completion at the end of 2021. (Q1) Includes Secondary Dams: Strathcona Tailings Area Dam 3A & 3B, Neutralizing Reservoir Dam, Polishing Reservoir Dam	(Q1) Includes secondary dams: Dam 1, Dam 12, East Mine Tailings (Q5) Tailings deposition started with Falconbridge Mill in 1933. East Mine Tailings deposition started in 1946. (Q6) Main dam(s) operated in general accordance to design intent. Note that the East Mine Tailings are not operated as per design intent. (Q17) Work currently in progress (Q17) Work currently in progress	(Q1) Includes Secondary Dams: NR-2, Moose Lake Dam (Q5) Tailings deposition at Nickel Rim North Mine began in 1946. No tailings deposition from Nickel Rim South Mine.		(Q6) No known design intent. In process of identifying design intent. (Q12) Engineering assessment currently being undertaken to address gaps in information. (Q17) Inundation study commenced and scheduled for completion in 2021. (Q18) Geotechnical characterization of tailings facility to inform closure plan development is currently in progress.	(Q1) Includes dam walls: North, North-East, North-West (Q6) Additional assessments are in progress to address.

Glencore Region	North America	North America	North America	North America	North America	North America	North America
1. "Tailings Facility" Name/Identifier	CEZinc Processing Plant, Quebec, Canada, Ferrite	CEZinc Processing Plant, Quebec, Canada, UNA	CEZinc Processing Plant, Quebec, Canada, Jarofix	Kidd Metallurgical Site, Timmins, Ontario, Canada, Kidd TSF	Matagami Mine, Quebec, Canada, Matagami TSF	Bell, British Columbia, Canada, Tailings Extension (See Q20)	Fonderie Horne, Rouyn-Noranda, Quebec, Canada, Noranda 3
2. Location	45°13'43"N, 74° 6'32"W	45°14'7"N, 74° 6'15"W	45°13'52"N, 74° 4'33"W	48°33'29"N, 81° 6'25"W	49°44'19,00"N, 77°46'13,00"W	55° 0'11.14"N, 126°13'56.39"W	48°15'13"N, 79° 2'50"W
3. Ownership	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary
4. Status	Active	Active	Active	Active	Active	Closed	Inactive
5. Date of initial operation	1970 - 1973	1966	1997	1966 - 2001	1963 (see Q20)	1980 - 1989	19XX - 2000 (see Q20)
6. Is the Dam currently operated or closed as per currently approved design?	No (see Q20)	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	Downstream	Downstream, Upstream	Drystack	Centerline	Centerline	Downstream	Upstream
8. Current Maximum Height (m)	3.5	14	3	10	9	55	4.5
9. Current Tailings Storage Impoundment Volume (Mm ³)	1.52	4.0	4.0 (see Q20)	81.95	15.5 (see Q20)	1.0	0.03
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	1.6	4.3	4.5 (see Q20)	89.95	16.33	1.0	0.03
11. Most Recent Independent Expert Review	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes	No
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Very High	High	Significant	High	High	Low	High
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	External	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2018	Yes, 2018	Yes, 2019	Yes, 2018	Yes, 2019	Yes, 2020	No, -
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, - (see Q20)
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.	(Q1) Includes secondary dams: West, North, South (Q6) Additional assessments are in progress to address.	(Q1) Includes dam walls: North-West, South	(Q9) Storage volume on current lot. An extension is planned for 2022-23. (Q10) Maximum on current lot	(Q1) Includes Secondary Dams: West Dam, West Dam, West Dam, North Dam, South Dam, Perimeter Dyke, Dyke	(Q5) Tailings deposition started with the mining operation in 1963. (Q9) Central pond 8.07: Tailings deposited from January 2003 to January 2015 (6.21 Mt; 1.3 t/m3). Current Central Basin configuration since 2002. West pond 1.89: Tailings deposited from June 1999 to December 2002 (1.45 Mt; 1.3 t/m3). Current Ovest Basin configuration since 1998. South pond 5.54: Tailings deposited from February 2015 to December 2020 (4.26 Mt; 1.3t/m3). Current South Basin configuration since 2014. (Q1) Includes Secondary Dams: Lalanne Dyke, Central Dyke, North Freeboard Dyke, West Dyke, North-South Dyke, East-West Dyke, South Dyke	(Q1) Includes dam walls: Dam 7, Dam 8	(Q5) Initial operation date unknown (Q12/Q17/Q18) Engineering assessments currently being undertaken to address gaps in information.

Glencore Region	North America	Oceania	Oceania	Oceania	Oceania	Oceania
1. "Tailings Facility" Name/Identifier	Fonderie Horne, Rouyn-Noranda, Quebec, Canada, Noranda 5 (See Q20)	West Wallsend, Australia, West Wallsend TSF	United Collieries, Australia, United Collieries TSF (See Q20)	Oaky Creek, Australia, Oaky Creek TSF (See Q20)	Hail Creek, Australia, Hail Creek TSF 1	CSA Mine, Cobar, New South Wales, Australia, Southern Tailings Storage Facility
2. Location	48°13'25"N, 79° 5'13"W	32°56'49"S, 151°35'40"E	32°33'37"S, 150°59'25"E	23° 4'38"S, 148°28'24"E	21°29'49"S, 148°22'51"E	31°24'40"S, 145°49'16"E
3. Ownership	Subsidiary	JV	JV	JV	JV	Subsidiary
4. Status	Active	Inactive	Inactive	Inactive	Active	Active
5. Date of initial operation	1947 - 2015	1983	2003 - 2008	1988	2010	1965
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	Centerline, Upstream	Downstream	Downstream	Hybrid, Upstream	Downstream	Upstream
8. Current Maximum Height (m)	12	18	19.5	17	35	27.7
9. Current Tailings Storage Impoundment Volume (Mm ³)	6.6	5.4	0.785	10.0	5.5	11.817
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	7.5	5.4	0.785	10.0	11.4	13.6
11. Most Recent Independent Expert Review	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Very High	Significant	Significant	High	High	Significant
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	Both	External
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2018	Yes, 2017	Yes, 2017	Yes, 2017	Yes, 2018	Yes, 2017
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.	(Q1) Includes dam walls: Dyke N5-2, Dyke N5-1, Dyke N5-3		(Q1) Includes Secondary Dams: TD1 and TD2	(Q1) Includes secondary dams: South Embankment and East Embankment		(Q13) Each structure has individual consequence categories assigned according to the ANCOLD and CDA methodology

Glencore Region	Oceania	Oceania	Oceania	Oceania	Oceania	Oceania
1. "Tailings Facility" Name/Identifier	Mt Isa Mine, Mt. Isa, Queensland, Australia, MIM TSF (See Q20)	Mt Isa Mine, Mt. Isa, Queensland, Australia, TD 1-2	Mt Isa Mine, Mt. Isa, Queensland, Australia, TD 4	Ernest Henry Mine, Cloncurry, Queensland, Australia, EHM TSF (See Q20)	Murrin Murrin Mine, Western Australia, Murrin Murrin TSF (See Q20)	George Fisher Mine, Queensland, Australia, George Fisher Tailings Dam (GFTD)
2. Location	20°45'8.10"S, 139°27'10.79"E	20°43'10"S, 139°28'53"E	20°43'33"S, 139°28'1"E	20°26'39"S, 140°43'52"E	28° 46' 8.45" S, 121° 55' 3.02" E	20°33'33"S, 139°27'53"E
3. Ownership	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary
4. Status	Active	Closed	Closed	Active	Inactive	Inactive
5. Date of initial operation	1958 - 2020	1931	1931	1998	1998	1989
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes (see Q20)	Yes (see Q20)	Yes	Yes	Yes
7. Raising method	Upstream, Downstream	Unknown	Downstream	Upstream	Upstream	Downstream
8. Current Maximum Height (m)	40	0	0	39.7	14.5	25.3
9. Current Tailings Storage Impoundment Volume (Mm ³)	395.5	0.0	0.0	105.0	35.8	1.8
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	415.0	0.0	0.0	130.0	35.8	1.8
11. Most Recent Independent Expert Review	KCB, 2020	KCB, 2020	KCB, 2017	KCB, 2020	Coffey, 2020	KCB, 2020
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	High A	Very Low	Very Low	Extreme	High	High
14. What guideline do you follow for the classification system?	ANCOLD (2019)	ANCOLD (2012)	ANCOLD (2012)	CDA 2007 (2013)	DMIRS	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	External	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2020	No, -	No, -	Yes, 2020	Yes, 2020	Yes, 2018
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, N/A	Yes, N/A	Yes, Yes	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.	(Q1) MIM TSF comprises multiple embankments and historically was four separate Tailings Dams (3,5,7,8). (Q4) Parts of the facility include dams (TD3) which have been decommissioned and are encapsulated by other landforms - below Waste Rock Facility (Q5) Structures in the facility were built progressively from 1958. Most recent new structure commissioned in 2020 (Q13) The MIM TSF is comprised of multiple structures with a range of consequence classifications (Very Low - High A according to ANCOLD, and Significant to Extreme according to CDA). Each structure has individual consequence categories assigned according to the ANCOLD and CDA methodology. MIM has 1 Extreme consequence structure (TD8), 2 High Consequence structures (TD8 Saddle Dam, TD8 West Wall), 9 significant structures (embankments; TD7W, TD5, Kennedy's Saddle Dam, TD5 N/W, TD5 W/NW, TD5 South, TD5 South Spillway, TD5/7 E, TD5/7 W). Internally to the facility, groynes and other access structures have been assessed with 1 High consequence structure (BSOC Dyke), 3 significant structures (Outfall Dyke, Groyne 10, Rockfall Access Road). 10 access groynes were not assessed (G1 to G4, G6,G7,Brooks Crossing, Adams Wall, G8, G9, Murdoch's Crossing). Consequence assessment works for historic facilities are planned (TD3, TD4 CuCon #3 TD)	(Q6) Historical closed facility (Q4/Q9/Q10) Dam Decommissioned (Q13) Canadian Dam Assessments are currently in progress for all Mount Isa Mine TSF structures. These assessments are projected to be completed (including internal review) by August 2021. The ANCOLD classification is reported pending the completion of these assessments. (Q17) To meet the intent of the CoE disclosure request, MIM have taken the approach to disclose all active and historic facilities. This includes facilities that are enclosed within other mining landforms.	(Q6) Historical closed facility (Q17) To meet the intent of the CoE disclosure request, MIM have taken the approach to disclose all dams for our facilities to provide the fullest transparency of assets. As such in instances where a main dam has had a dam breach assessment undertaken to assess the consequence of a dam failure, a separate assessment for auxiliary dams may not be required. In the case of the Mount Isa dams where there is a "no" against the auxiliary dams it means there is no standalone assessment of that particular structure. Notwithstanding, the downstream impact assessment from a failure of the auxiliary dams has been considered through other methodologies. Canadian Dam Assessments are currently in progress for all Mount Isa Mine TSF structures. These assessments are projected to be completed (including internal review) by August 2021. ANCOLD classification is reported pending the completion of this work.	(Q1) Includes Secondary Dams: West Wall, North Wall, East Wall and South Wall (Q13) Each structure has individual consequence categories assigned according to the ANCOLD and CDA methodology. EHM has 1 Extreme consequence structure (West embankment), 3 High Consequence structures (North, East, South Embankments).	(Q1) Includes dam walls: North Dam and South Dam	Q13. Each structure within the facility is categorised following ANCOLD and CDA methodologies, The George Fisher Tailings Dam has been assigned High B (ANCOLD) and High (CDA) classifications.

Glencore Region	Oceania	Oceania	South America	South America	South America	South America	South America
1. "Tailings Facility" Name/Identifier	McArthur River Mine, Northern Territory, Australia, Tailings Storage Facility	Clermont, Australia, Mega Cell	Cerrejon JV, Colombia, Cantor Facility	Minera Alumbrera, Argentina, TSF	Antamina Mine, Peru, Antamina TSF	Antapaccay Mine, Espinar, Peru, Ccamacmayo TSF	Antapaccay Mine, Espinar, Peru, Huinipampa TSF
2. Location	16°24'58"S, 136° 3'45"E	22°43'01"S, 147°37'19"E	11°06'20"N, 72°38'37"W	27°19'55"S, 66°33'50"W	9°33'16"S, 77° 1'55"W	14°51'27"S, 71°18'24"W	14°54'56"S, 71°22'21"W
3. Ownership	Subsidiary	JV	NOJV	JV	NOJV	Subsidiary	Subsidiary
4. Status	Active	Active	Inactive	Inactive	Active	Closed	Closed
5. Date of initial operation	1995	2014	2005	1998	1998	1985	2004
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	Upstream	Downstream	Downstream	Modified Centerline	Downstream/Centerline	Hybrid	Centerline
8. Current Maximum Height (m)	15	8	5	125	255	75	35
9. Current Tailings Storage Impoundment Volume (Mm ³)	22.0	0.5	2.3	450.0	400.0	60.0	42.0
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	35.0	0.6	2.3	450.0	600.0	60.0	42.0
11. Most Recent Independent Expert Review	KP, 2017	Golder, 2020	HCI, 2019	KCB, 2019	STANTEC, 2019	KCB, 2019	KCB, 2019
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Very High	Significant	Significant	Very High	Extreme	High	High
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	External	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2017	Yes, 2020	Yes, 2019	Yes, 2018	Yes, 2018	Yes, 2020	Yes, 2020
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, -	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.						(Q13) Hazard categorization under review	(Q13) Hazard categorization under review

Glencore Region	South America	South America	South America	South America	South America	South America	South America
1. "Tailings Facility" Name/Identifier	Antapaccay Mine, Espinar, Peru, Tintaya Pit TSF	Cia. Minera Doña Ines de Collahuasi, Collahuasi Pampa Pabellón TFS	Altonorte, Chile, Process pond	Sinchi Wayra Operations, Bolivar Mine, Bolivia, Queaqueani TSF	Sinchi Wayra Operations, Bolivar Mine, Bolivia, Antiguo TSF	Sinchi Wayra Operations, Caballo Blanco - Don Diego Concentrator Plant, Bolivia, Chilimoco TSF	Sinchi Wayra Operations, Caballo Blanco - Don Diego Concentrator Plant, Bolivia, Yana Khasa TSF
2. Location	14°54'16"S, 71°19'29"W	20° 56' 43" S, 68° 36' 16" W	23°48'22.7"S, 70°20'41.6"W	18°27'54"S, 66° 52'25"W	18°28'10"S, 66° 51'44"W	19°30'40"S, 65° 36'37"W	19°29'46"S, 65° 35'53"W
3. Ownership	Subsidiary	NOJV	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary
4. Status	Active	Active	Active	Active	Inactive	Active	Inactive
5. Date of initial operation	2012	1999	1999	2007	1995	2004	1993
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	N/A	Downstream	Downstream	Downstream	Upstream	Downstream	Upstream
8. Current Maximum Height (m)	72	72	31	33.5	34	53	40
9. Current Tailings Storage Impoundment Volume (Mm ³)	201.0	574.0	5.5	3.2	1.8	2.4	1.6
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	326.0	765.0	6.7	5.5	1.8	3.67	1.6
11. Most Recent Independent Expert Review	KCB, 2019	Wood, 2018	Ausenco, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Significant	Low	High	Extreme	High	Extreme	High
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	Supreme Decree No. 248/2007	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	External	Both	Both	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2020	Yes, 2018	Yes, 2020	Yes, 2020	Yes, 2020	Yes, 2020	Yes, 2020
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.	(Q13) Hazard categorization under review						

Glencore Region	South America	South America	South America	South America	South America	South America	South America
1. "Tailings Facility" Name/Identifier	Sinchi Wayra Operations, Caballo Blanco - Don Diego Concentrator Plant, Bolivia, Dique 1, 2 & 3	Sinchi Wayra Operations, Porco Mine, Bolivia, Dique D TSF	Sinchi Wayra Operations, Porco Mine, Bolivia, Dique A-C TSF (See Q20)	Sinchi Wayra Operations, Porco Mine, Bolivia, Dique 1-5 TSF (See Q20)	Aguilar Mine, Argentina, Colas TSF (See Q20)	Contonga Mine, Peru, Tucush TSF	Contonga Mine, Peru, Pajuscocha TSF
2. Location	19°30'0"S, 65° 35'59"W	19°46'58"S, 66° 0'28"W	19°46'59"S, 65°59'24"W	19°46'26"S, 65°58'53"W	23°12'38"S, 65°36'23"W	9°30'33"S, 77° 4'16"W	9°30'8"S, 77° 4'55"W
3. Ownership	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary
4. Status	Inactive	Active	Inactive	Inactive	Active	Inactive	Closed
5. Date of initial operation	1978	1997	1991 - 1996	1978 - 1987	1965 - 2015	2006	1984
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	Upstream	Downstream	Upstream	Upstream	Upstream, Downstream	Centerline	Upstream
8. Current Maximum Height (m)	15	23	40	25	35	40	15
9. Current Tailings Storage Impoundment Volume (Mm ³)	0.4	5.6	1.54	1.4	26.7	1.7	0.05
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	0.4	8.53	1.54	1.4	28.7	1.7	0.05
11. Most Recent Independent Expert Review	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2018	KCB, 2020	KCB, 2018
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Significant	Extreme	Significant	Significant	High	High	Low
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	Both	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2020	Yes, 2020	Yes, 2020	Yes, 2020	Yes, 2016 (see Q20)	Yes, 2020	No, - (see Q20)
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	No, - (see Q20)	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.			(Q1) Includes dam walls: Dique A, B, C	(Q1) Includes dam walls: Dique 1- 5	(Q17) Does not include historic low height dam walls that have been resloped and covered. (Q18) Contracts for preparation of closure plans are being issued. (Q1) Includes dam walls: South, North, East, East		(Q17) Historic low height TSF with limited deformation/runout potential.

Glencore Region	South America	South America	South America	South America	South America	South America	South America
1. "Tailings Facility" Name/Identifier	Iscaycruz Mine, Peru, Tinyag TSF	Iscaycruz Mine, Peru, Escondida TSF	Iscaycruz Mine, Peru, Geniococha TSF	Yauliyacu mine, Peru, Chinchán TSF	Yauliyacu mine, Peru, Rosaura TSF	San Cristobal Mining Unit, Mahr Tunnel, Peru, Mahr Tunnel TSF (See Q20)	Carahuacra Mining Unit, Junin, Peru, Rumichaca TSF
2. Location	10°47'23"S, 76°43'40"W	10°47'1"S, 76°43'19"W	10°47'27"S, 76°43'10"W	11°35'52"S, 76°14'00"W	11°40'37"S, 76°15'46"W	11°37'39"S, 76° 3'9"W	11°41'45"S, 76° 6'30"W
3. Ownership	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary
4. Status	Inactive	Inactive	Active	Active	Inactive	Inactive	Active
5. Date of initial operation	1996	2006	2012	1982	2004	1970 - 2008	1999
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	Upstream	Centerline	Downstream	Centerline	Downstream	Centerline, Upstream	Downstream
8. Current Maximum Height (m)	11	20	49	104	40	67	37
9. Current Tailings Storage Impoundment Volume (Mm ³)	3.7	1.8	4.2	13.65	2.2	7.7	12.7
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	3.7	1.8	4.83	16.08	2.2	7.7	14.8
11. Most Recent Independent Expert Review	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2019	KCB, 2020
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	High	High	High	High	High	Extreme	Extreme
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	Yes (see Q20)	Yes (see Q20)	No (see Q20)
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	Both	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2017	Yes, 2019	Yes, 2019	Yes, 2019	Yes, 2020	Yes, 2019	Yes, 2020
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.					(Q15) Additional site investigations were completed in 2019/2020 and further engineering assessments are currently being undertaken to assess the risk under extreme seismic and flood events.	(Q1) Includes secondary dams: 1-6 (Q15) Audits indicate the dam does not meet CDA guidelines 2007 (2013) for extreme flood events or seismic events. Deposition of tailings into the facility ceased in November 2019 and the construction of an emergency spillway to manage extreme flood events was completed in January 2021. Engineering of a buttress for extreme earthquake loading has been completed and construction is scheduled to commence after permitting approvals are granted during 2021.	(Q15) Previously identified in 2019 disclosure as a 'Yes' due to dam not meeting CDA guidelines for extreme flood events. An emergency spillway has now been constructed to pass the Probable Maximum Flood.

Glencore Region	South America	South America	South America	South America	South America	South America	South America
1. "Tailings Facility" Name/Identifier	Carahuacra Mining Unit, Junin, Peru, Carachuacra TSF (See Q20)	Ticlio Mining Unit, Ticlio, Peru, Ticlio TSF	Andaychagua Mining Unit, Junin, Peru, Andaychagua TSF (See Q20)	Cerro de Pasco Mining Unit, Peru, Ocroycoc TSF	Cerro de Pasco Mining Unit, Peru, Vinchos TSF (See Q20)	Cerro de Pasco Mining Unit, Peru, El Pilar TSF (See Q20)	Cerro de Pasco Mining Unit, Peru, San Sebastian 1-3 TSF
2. Location	11°41'2"S, 76° 5'30"W	11°36'35"S, 76°11'48"W	11°45'6"S, 76° 0'12"W	10°41'25"S, 76°17'49"W	10°26'18"S, 76°17'11"W	10°38'9"S, 76°15'55"W	10°37'16"S, 76°11'35"W
3. Ownership	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary
4. Status	Closed	Active	Active	Active	Inactive	Closed	Inactive
5. Date of initial operation	1982	1950	1990 - 2009	1980	Unknown	1949	Unknown
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7. Raising method	Upstream	Upstream	Downstream	Downstream	Unknown	Upstream	Unknown
8. Current Maximum Height (m)	38	12	67	49	20	17	18
9. Current Tailings Storage Impoundment Volume (Mm ³)	2.5	0.5	10.1	17.8	0.185	0.08	0.02
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	2.5	0.5	13.1	25.65	0.185	0.08	0.02
11. Most Recent Independent Expert Review	KCB, 2019	KCB, 2020	KCB, 2019	KCB, 2020	KCB, 2020	KCB, 2020	KCB, 2020
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	Yes	No	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Very High	High	Extreme	Extreme	Low	Significant	Significant
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No (see Q20)	Yes (see Q20)	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Both	Both	Both	Both
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2019	Yes, 2020	Yes, 2019	Yes, 2020	Yes, 2019	Yes, 2019	Yes, 2019
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes	No, No	Yes, Yes	No, N/A
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes	Yes	Yes	Yes	No	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.	(Q1) Includes secondary dams: 1-6		(Q15) Previously identified in 2019 disclosure as a 'Yes' due to dam not meeting CDA guidelines for extreme flood events. An emergency spillway has now been constructed to pass the Probable Maximum Flood. (Q1) Includes dam walls: Andaychagua Alto, Andaychagua Bajo	(Q15) Report KCB-2019; Audits raised uncertainty with the potential for post seismic liquefaction of glaciofluvial foundation soils during an extreme seismic event. Additional site investigations have been completed in 2020, which show improved conditions and that buttressing may not be required. Currently being independently reviewed with assessment due May 2021.	(Q1) Includes dam walls: Vinchos 1, 2A, 2B, 3, 4, 6 and 7, Vinchos 5	(Q1) Includes secondary dams: El Pilar Deposit 1, El Pilar Deposit 2, El Pilar Deposit 3	

Glencore Region	South America	South America	South America	South America	South America
1. "Tailings Facility" Name/Identifier	Cerro de Pasco Mining Unit, Peru, San Sebastian 4 TSF	Chungar Mining Unit, Huayllay District, Peru, Chungar Animon TSF	Alpamarca Mining Unit, Peru, Alpamarca TSF	AR Zinc, Argentina, Deposit A	AR Zinc, Argentina, Deposit B and Deposit C
2. Location	10°37'12"S, 76°11'23"W	11° 2'10"S, 76°25'12"W	11°12'32"S, 76°27'37"W	32°47 ' 09"S, 60°43 ' 27"O	32°47 ' 03"S, 60°43 ' 02"
3. Ownership	Subsidiary	Subsidiary	Subsidiary	Subsidiary	Subsidiary
4. Status	Inactive	Active	Active	Closed	Closed
5. Date of initial operation	Unknown	1980	2014	1976 - 2001	1986 - 1988
6. Is the Dam currently operated or closed as per currently approved design?	Yes	Yes	Yes	No (see Q20)	No (see Q20)
7. Raising method	Unknown	Downstream	Downstream	Unknown	Unknown
8. Current Maximum Height (m)	12	36	41.2	8.5	9
9. Current Tailings Storage Impoundment Volume (Mm ³)	0.008	6.97	3.82	0.2	0.5
10. Planned Tailings Storage Impoundment Volume in 5 years time (Mm ³)	0.008	7.3	6.64	0.2	0.5
11. Most Recent Independent Expert Review	KCB, 2019	KCB, 2020	KCB, 2020	BISA, 2018	BISA, 2018
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	Yes	Yes	Yes	No	No (see Q20)
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Significant	Very High	Extreme	High	High
14. What guideline do you follow for the classification system?	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)	CDA 2007 (2013)
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Both	Both	Both	Internal	Internal
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Yes, 2019	Yes, 2020	Yes, 2020	No, - (see Q20)	No, - (see Q20)
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	No, N/A	Yes, Yes	Yes, Yes	Yes, Yes	Yes, Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	No	Yes	Yes	Yes	Yes
20. Any other relevant information (e.g. links to disclosures etc.). These clarifications relate to footnotes from other questions. For example (Q1) Relates to Question 1; (Q2) Relates to Question 2; etc.				(Q6/Q12/Q13/Q16/Q17) Out of service for over 20 years. Engineering assessments currently being undertaken to address gaps in information.	(Q6/Q12/Q13/Q16/Q17) Out of service for over 20 years. Engineering assessments currently being undertaken to address gaps in information.

Explanatory Notes		
Question Number / Description	Disclosure Request Accompanying Notes	Comment for the disclosure
1. "Tailings Facility" Name/Identifier	Please identify every tailings storage facility and identify if there are multiple dams (saddle or secondary dams) within that facility. Please provide details of these within question 20.	Excluded tailings dams include TSF which are in pit (e.g. below ground surface) and very low risk dams which were either small or fully encapsulated with mine material. In alignment with the Global Industry Standard for Tailings Management Glencore have consolidated the individual dam walls disclosed in 2019 into their parent TSF. Where a TSF contains secondary dam walls these are now provided in Q20.
2. Location	Please provide Long/Lat coordinates.	Coordinates are taken from Google Earth.
3. Ownership	Please specify: Owned and Operated, Subsidiary, JV, NOJV, as of March 2019	1. "Owned and Operated" -- Glencore plc is a holding company and the reporting company for purposes of this document. Glencore plc does not own or operate any assets or sites, but is instead a holding company; accordingly, no TSFs described in this document have been designated as "owned and operated"; 2. Subsidiary" – subsidiary refers to any subsidiary that is directly or indirectly wholly-owned by Glencore, or very nearly wholly-owned by Glencore excluding immaterial equity interests (e.g., 99.99% ownership); all other assets or sites which have partners are listed as a JV or NOJV as applicable; provided however that with respect to Glencore's ownership in Volcan Compania Minera S.A.A. ("Volcan"), Volcan is a publicly listed company in Peru and Glencore indirectly holds an ownership interest pursuant to which it exercises control through (a) approximately 55% of the outstanding voting rights in respect of Volcan on account of Glencore's indirect ownership of voting shares issued by Volcan, and (b) appointment of a majority of the board of directors of Volcan, accordingly, all TSFs for mines which are owned and operated by Volcan are included in this document and are each designated as a "Subsidiary"; however, any TSFs which may be owned and operated by any publicly listed company in which Glencore is a minority shareholder and does not exercise control over the management and affairs of such publicly listed company are not included in this document; 3. "JV" – JV refers to any incorporated legal entity or unincorporated joint venture in which a subsidiary of Glencore has an ownership interest and which it controls and operates; and 4. "NOJV" – NOJV refers to any non-publicly listed incorporated legal entity or unincorporated joint venture in which a subsidiary of Glencore has an ownership interest but does not exercise control; for any TSF that is operated and managed by an NOJV, such TSF is operated and managed by (a) independent management appointed on behalf of the shareholders or joint venture partners, or (b) another shareholder or joint venture partner in the NOJV.
4. Status	Please specify: Active, Inactive/Care and Maintenance, Closed etc. We take closed to mean: a closure plan was developed and approved by the relevant local government agency, and key stakeholders were involved in its development; a closed facility means the noted approved closure plan was fully implemented or the closure plan is in the process of being implemented. A facility that is inactive or under C&M is not considered closed until such time a closure plan has been implemented.	Active: operating TSFs In-active: TSFs that are in care and maintenance and have not progressed to closure. This includes sites that are under care and maintenance with a reasonable expectation of reopening and sites which are being used to attenuate water flows for the TSF. This does not include closed sites where water treatment is required. Also includes TSFs under construction but not yet operational. Closed: TSFs that are either closed or progressing to closure. This includes closed sites where water treatment is required.
5.Date of initial operation	(date or range)	Glencore has provided dates with respect to the initial design/commissioning. For TSFs where the date is uncertain, an estimated date has been provided. Where there are multiple secondary dams a range of start dates has been provided to show the evolution of the facility. In some cases, there also could be a discrepancy relating to reporting of the dates of: design, construction or commissioning, however, Glencore does not believe that this is a material discrepancy.
6. Is the Dam currently operated or closed as per currently approved design?	Yes/No. If 'No', more information can be provided in the answer to Q20	Two categories are being reported: Yes: TSFs that are operating within approved designs and design intent or dams that are under construction and not yet operational. No: TSF that are not operating within approved design or design intent and additional information is provided in Q20.
7. Raising method	Note: Upstream, Centerline, Modified Centreline, Downstream, Landform, Other.	The predominant raising method is reported although some TSFs may have occasional raises with different methods (e.g., downstream raises, centerline raises, upstream raises and hybrid – combinations of different methods). Where there are secondary dams present the various raising methods are also reported.
8. Current Maximum Height	Note: Please disclose in metres	The current maximum height of the Main Dam is reported.
9. Current Tailings Storage Impoundment Volume	Note: (m3 as of March 2019)	When available, the current volume of tailings deposited is reported within the facility including secondary dams. When not available, an estimated volume of tailings deposited has been calculated based on the area of the TSF and average height is reported.
10. Planned Tailings Storage Impoundment Volume in 5 years time	(m3 as planned for January 2024)	When available the planned volume is reported. When not available, an estimated volume based on the tailings production rate or other estimate has been made and reported.
11. Most Recent Independent Expert Review	(date) For this question we take 'Independent' to mean a suitably qualified individual or team, external to the Operation, that does not direct the design or construction work for that facility.	No comment.

Explanatory Notes		
Question Number / Description	Disclosure Request Accompanying Notes	Comment for the disclosure
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure	(Yes or No) We take the word "relevant" here to mean that you have all necessary documents to make an informed and substantiated decision on the safety of the dam, be it an old facility, or an acquisition, or legacy site. More information can be provided in your answer to Q20.	Yes means that there is sufficient information to be able to make an assessment of the safety of the dam. For responses with No, please refer to additional information provided in Question 20.
13. What is your hazard categorisation of this facility, based on the consequence of failure?		Hazard categorisation has been conducted according to the classification system provided in Q14. Where there are multiple dams within a TSF we have reported the highest consequence classification.
14. What guideline do you follow for the classification system?		As provided.
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	<p>(Yes or No) We note that this will depend on factors including local legislation that are not necessarily tied to best practice. As such, and because remedial action may have been taken, a "Yes" answer may not indicate heightened risk.</p> <p>Stability concerns might include toe seepage, dam movement, overtopping, spillway failure, piping etc. If yes, have appropriately designed and reviewed mitigation actions been implemented?</p> <p>We also note that this question does not bear upon the appropriateness of the criteria, but rather the stewardship levels of the facility or the dam. Additional comments/information may be supplied in your answer to Q20.</p>	<p>Question 15 asks if any of our facilities have at any point in their history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm). As this question can be open to interpretation we would like to clarify our approach and the context for our response.</p> <p>To fulfil our understanding of the spirit of the question (i.e. are there any potential life threatening safety concerns within an existing facility that have been previously flagged but remain unaddressed), the following interpretation was used:</p> <ul style="list-style-type: none"> Not being certified/confirmed as stable is assumed to be where a noted deficiency is deemed sufficiently significant to trigger a catastrophic failure – the term deficiency is used in that context. For operating facilities, this refers to any identified deficiency for the current life/stage. For a previous life/stage, any deficiency that was not addressed as vetted by an independent review. For closed/legacy facilities, this refers to any deficiency identified that reflects the current state of the facility versus a previous issue that has been addressed through confirmed changed condition via the closure process. <p>The above was used on the basis that we believe the disclosure effort is aimed at identifying tailings facilities that could potentially lead to life-safety concerns, while avoiding falsely identifying issues for facilities that are decades old and no longer resemble the facility referred to in a former noted deficiency (i.e. the formerly noted deficiency is for a facility of nature that materially no longer exists). The approach was agreed with other members of the ICMM, who have also communicated this interpretation to the Investor Initiative.</p> <p>Since our previous disclosure and by applying this interpretation, we have identified 9 TSFs that require further engineering assessments or works to address possible causes of failure that could be initiated by extreme seismic or flood events. In doing so, we have applied leading CDA Guidelines aligned with the Global Industry Standard for Tailings Management, that reflect the most current understanding of risks associated with TSF management. By applying these leading practices we have identified those facilities where there may be a deficiency in the design (hence sometimes exceeding requirements of local regulations). Since our previous disclosure we have completed emergency spillways at Mopani, Mahr Tunel, Rumichaca and Adaychagua to pass the 1:10 000 yr flood event. Buttressing is completed at Kroondal, largely completed at Altyntau-Kokshetau and Talovsky and is progressing at Zyranovsky. Construction of a new Narrows dam at Strathcona/Onaping has commenced and is scheduled for completion at the end of 2021. Detailed engineering for buttresses is being finalised at Mopani, Chashinsky and Mahr Tunel with construction also planned to commence at these locations in 2021.</p>
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Note: Answers may be "Both".	The answer to the question is typically "both". The in-house engineering specialist is a person responsible for TSF oversight and external engineering support is most often carried out for the design. External engineering support is also provided through the Glencore Corporate auditing process.
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Note: Please answer 'yes' or 'no', and if 'yes', provide a date.	Where the answer is "Yes" the assessment of the analysis of the downstream impacts has been carried out for the existing conditions based upon a semi-quantitative dam break analysis that considers both "sunny day" and "rainy day" dam failure modes and consideration of water/tailings flows and "mud flow" from potential tailings liquefaction flow. In some cases numerical dam break analyses have been carried out by the assets consultants.
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	Please answer both parts of this question (e.g. Yes and Yes)	Glencore has a program to have closure plans for all assets which range from conceptual to detailed level. All closed facilities will include appropriate long term monitoring.
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	(Yes or No)	Climate change, results in both higher or lower precipitation and more variability. As part of ongoing Dam Safety Assessments (DSA) and review of meteorological data, the potential impact on the design basis for the tailings facilities will be reviewed on an on-going basis.
20. Any other relevant information and supporting documentation. Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have.	Note: this may include links to annual report disclosures, further information in the public domain, guidelines or reports etc.	Additional information.