

Overview of water withdrawal, discharges and use in 2020 by country and river basin

Water withdrawal of our sites by country, river basin and baseline water stress level (ML)¹

Country	River Basin (major / minor)	Baseline water stress level ²	# of sites	Surface water	Sea water	Ground-water ³	Rain-water	Potable water from third party	Other water from third party	Water entrained in input	Total water input	Category 1 - Input	Category 2 - Input	Category 3 - Input
Argentina	La Plata / San Francisco	Low	1	0	0	507	0	0	0	3	510	507	0	3
	Salinas Grandes / Belen	Low - Medium	1	0	0	1,011	1,691	0	0	0	2,702	2,702	0	0
	South America, Colorado / San Juan	Medium - High	1	11	0	0	0	0	0	0	11	11	0	0
Australia	Australia, East Coast / Burdekin	Low	2	110	0	491	7,171	111	1,853	727	10,464	2,114	5,278	3,072
	Australia, East Coast / Fitzroy	Low	1	99	0	2,478	1,527	35	2,138	399	6,675	950	711	5,015
		Low - Medium	1	0	0	261	4,325	0	1,869	792	7,247	503	3,822	2,922
		Medium - High	1	0	0	228	1,252	19	1,834	472	3,806	257	1,243	2,307
		High	1	0	0	928	1,112	0	113	2,245	4,398	475	1,565	2,358
	Australia, East Coast / Hunter	Low - Medium	8	3,949	0	12,147	27,459	78	235	4,627	48,495	7,568	27,854	13,074
	Australia, East Coast / MacQuarie / Tuggerah Lakes	Low	1	0	0	0	0	1	0	0	1	1	0	0
	Australia, East Coast / Ross	Low - Medium	1	0	0	26	19	147	0	0	193	147	0	45
	Australia, Interior / Salt Lake	Arid and Low Water Use	1	0	0	11,859	0	0	0	0	11,859	0	0	11,859
	Australia, North Coast / Flinders	Low - Medium	1	1,683	0	4,431	1,635	0	0	102	7,851	0	7,749	102
	Australia, North Coast / Leichhardt	High	5	0	0	4,491	1,217	4,897	32,073	527	43,205	4,897	585	37,723
	Australia, North Coast / McArthur	Low	1	0	0	3,912	4,878	0	0	95	8,885	546	423	7,916
	Murray - Darling / Darling	Arid and Low Water Use	1	0	0	102	17	0	848	44	1,011	119	0	892
Bolivia	La Plata / Pilaya	High	2	235	0	2,470	183	63	0	11	2,961	246	235	2,480

Country	River Basin (major / minor)	Baseline water stress level ²	# of sites	Surface water	Sea water	Ground-water ³	Rain-water	Potable water from third party	Other water from third party	Water entrained in input	Total water Input	Category 1 - Input	Category 2 - Input	Category 3 - Input
	La Puna Region / Lago de Poopa	Low	1	0	0	4,115	114	0	0	6	4,235	0	0	4,235
Canada	Hudson Bay Coast / Bell	Low	1	4,056	0	2,008	6,751	0	0	14	12,829	4,082	0	8,747
	Hudson Bay Coast / Central Mattagami	Low	1	5,553	0	183	15,093	0	0	28	20,857	0	20,829	28
	Hudson Bay Coast / Rio de Puvirnitug	Medium - High	1	657	0	2,713	1,519	0	0	29	4,919	657	0	4,261
	St Lawrence / Montreal Island	Low	2	4,735	0	0	232	609	0	0	5,576	841	4,735	0
	St Lawrence / Upper Ottawa / Kinojevis	Low	1	8,016	0	352	15,043	232	415	66	24,124	8,248	15,043	833
	St Lawrence / Upper St Lawrence / Raisin	Low	1	58,584	0	602	141	6	0	43	59,377	6	59,328	43
	St Lawrence / Vermilion	Low	1	0	0	512	44,576	0	3,310	54	48,452	0	0	48,452
	St Lawrence / Wanapitei	Low	1	3,827	0	7,597	1,607	199	0	123	13,353	199	5,624	7,531
Chad	Lake Chad / Efan	Low	1	7	0	52	0	0	0	0	59	16	43	0
Chile	North Chile, Pacific Coast / Caracoles	Arid and Low Water Use	1	4,934	0	818	0	0	0	0	5,752	5,752	0	0
	North Chile, Pacific Coast / Negra	Arid and Low Water Use	1	0	0	668	0	0	2,733	0	3,400	522	0	2,878
Colombia	Caribbean Coast / Colombia North	Low	1	363	0	28	85	0	0	0	476	0	476	0
	Caribbean Sea Coast													
	Magdalena / Cesar	Low	1	24	0	2,603	7,265	0	0	0	9,891	0	9,891	0
	Magdalena / Magdalena 1	Low	1	0	0	214	8,758	0	0	0	8,972	0	8,972	0
Democratic Republic of Congo	Congo / Lulaba 3	Low	2	6,705	0	37,752	1,256	0	0	999	46,712	44,457	1,256	999
England	England and Wales / Thames Delta	Medium - High	1	0	0	0	51	33	0	0	85	85	0	0
Germany	Ems - Weser / Weser Delta	High	1	8,078	0	0	127	795	0	22	9,022	8,873	127	22
Italy	Mediterranean Sea Islands / Mannu	Extremely High	1	2,889	0	296	279	2	0	11	3,476	2	3,185	290
	Mediterranean Sea Islands / Tirso	Extremely High	1	0	0	18	28	5	0	0	51	5	46	0
Kazakhstan	Ob / Irtyz	Low	14	14,393	0	36,942	5,637	2,764	19,621	457	79,814	20,957	18,233	40,624

Country	River Basin (major / minor)	Baseline water stress level ²	# of sites	Surface water	Sea water	Ground-water ³	Rain-water	Potable water from third party	Other water from third party	Water entrained in input	Total water Input	Category 1 - Input	Category 2 - Input	Category 3 - Input
		High	1	4,226	0	968	1,573	0	0	239	7,006	6,767	0	239
	Syr Darya / Sarysu	Low - Medium	1	0	0	3,626	134	285	0	42	4,087	4,045	0	42
New Caledonia	South Pacific Islands / New Caledonia	Low	1	131	21,344	132	0	0	0	0	21,607	262	21,344	0
Norway	Scandinavia, North Coast / West Norway Coast	Low	1	0	24,642	0	59	1,691	0	0	26,392	1,691	24,701	0
Peru	Amazon / Apurimac	Medium - High	1	836	0	21,519	1,413	392	0	0	24,160	392	2,249	21,519
	Amazon / Mantaro	Low - Medium	9	5,960	0	86,653	6,838	0	23,505	421	123,378	9,141	39,443	74,794
	Peru, Pacific Coast / Huaura	Low	1	1,309	0	3,560	0	0	0	53	4,922	345	3,560	1,017
	Peru, Pacific Coast / Lima Coast	Low	1	577	0	0	0	0	0	31	608	577	0	31
Philippines	Philippines / Visayan Islands	Low	1	0	75,375	0	3	1	2,930	0	78,309	1	75,378	2,930
South Africa	Limpopo / Elefantes	High	13	2,219	0	16,909	2,154	425	2,932	1,454	26,093	1,105	2,505	22,483
	Limpopo / Krokodil	High	8	966	0	1,803	1,395	1,617	33	35	5,848	2,100	3,355	393
	South Africa, South Coast / Incomati	Low - Medium	1	0	0	1,459	114	0	0	61	1,633	45	0	1,588
	South Africa, West Coast / Groot Berg	Extremely High	1	0	0	0	0	952	29	0	981	952	0	29
Spain	Spain - Portugal, Atlantic Coast / Northern Spain Coast	Medium - High	4	3,457	49,009	373	176	41	25	93	53,174	51,131	1,749	294
Tanzania	Nile / Kagera	Low	1	0	0	1	0	0	0	0	1	0	0	0
United States of America	Atlantic Ocean Seaboard / Blackstone	Medium - High	1	0	0	0	0	0	0	0	0	0	0	0
	California / Coyote	Low	1	0	0	0	2	1	0	0	3	3	0	0
Zambia	Congo / Lake Mweru	Low	1	1,019	0	44,230	0	1,319	0	7	46,574	1,319	45,249	7
	Zambezi / Kafue 1	Medium - High	1	0	0	1	0	0	0	0	1	1	0	0
	Zambezi / Lufwanyama	Low	1	12,024	0	23,571	0	1,011	0	38	36,644	1,011	35,595	38

Water discharge of our sites by country, river basin and baseline water stress level (ML)¹

Country	River Basin (major / minor)	Baseline water stress level ²	# of sites	Discharge to surface water	Discharge to sea water / ocean	Discharge to ground-water	Discharge for offsite treatment or disposal	Water exported to a third party	Water entrained in output	Total water Output	Category 1 - Output	Category 2 - Output	Category 3 - Output
Argentina	La Plata / San Francisco	Low	1	506	0	0	0	0	2	510	506	0	2
	Salinas Grandes / Belen	Low - Medium	1	0	0	0	0	0	0	2,732	0	0	0
	South America, Colorado / San Juan	Medium - High	1	0	0	0	0	0	0	11	0	0	0
Australia	Australia, East Coast / Burdekin	Low	2	40	0	0	0	0	1,977	8,986	0	40	1,977
	Australia, East Coast / Fitzroy	Low	1	0	0	19	0	0	656	4,791	0	0	675
		Low - Medium	1	63	0	0	0	0	1,668	7,374	0	63	1,668
		Medium - High	1	38	0	2	0	4	1,478	6,213	0	38	1,484
		High	1	0	0	0	0	0	2,245	4,223	0	0	2,245
	Australia, East Coast / Hunter	Low - Medium	8	4,281	0	0	3	517	8,833	39,505	1	170	13,463
	Australia, East Coast / MacQuarie / Tuggerah Lakes	Low	1	0	0	0	0	0	0	38	0	0	0
	Australia, East Coast / Ross	Low - Medium	1	0	0	0	0	0	0	200	0	0	0
	Australia, Interior / Salt Lake	Arid and Low Water Use	1	0	0	0	0	0	0	11,860	0	0	0
	Australia, North Coast / Flinders	Low - Medium	1	151	0	0	0	0	3,580	7,827	0	151	3,580
	Australia, North Coast / Leichhardt	High	5	0	0	1,679	161	18,735	5,285	42,427	17	0	25,844
	Australia, North Coast / McArthur	Low	1	698	0	0	0	0	1,024	8,403	698	0	1,024
Murray - Darling / Darling	Arid and Low Water Use	1	0	0	0	0	0	0	1,007	0	0	0	
Bolivia	La Plata / Pilaya	High	2	1,936	0	0	0	0	139	2,850	0	1,936	139
	La Puna Region / Lago de Poopa	Low	1	3,196	0	0	0	0	176	4,205	0	3,196	176
Canada	Hudson Bay Coast / Bell	Low	1	12,539	0	0	0	0	270	12,829	0	12,539	270

Country	River Basin (major / minor)	Baseline water stress level ²	# of sites	Discharge to surface water	Discharge to sea water / ocean	Discharge to ground-water	Discharge for offsite treatment or disposal	Water exported to a third party	Water entrained in output	Total water Output	Category 1 - Output	Category 2 - Output	Category 3 - Output
	Hudson Bay Coast / Central Mattagami	Low	1	20,336	0	0	0	30	18	20,837	0	20,366	18
	Hudson Bay Coast / Rio de Puvirnituk	Medium - High	1	1,900	2	0	0	0	200	4,714	1,902	0	200
	St Lawrence / Montreal Island	Low	2	0	0	0	5,153	0	0	5,576	34	5,119	0
	St Lawrence / Upper Ottawa / Kinojevis	Low	1	17,543	0	121	80	0	154	24,124	0	17,543	355
	St Lawrence / Upper St Lawrence / Raisin	Low	1	59,327	0	0	0	0	50	59,340	0	59,327	50
	St Lawrence / Vermillion	Low	1	15,842	0	0	0	0	4,746	48,452	0	0	20,588
	St Lawrence / Wanapitei	Low	1	14,697	0	0	0	0	0	13,353	0	14,697	0
Chad	Lake Chad / Efian	Low	1	0	0	0	0	0	0	59	0	0	0
Chile	North Chile, Pacific Coast / Caracoles	Arid and Low Water Use	1	0	0	0	0	0	0	5,757	0	0	0
	North Chile, Pacific Coast / Negra	Arid and Low Water Use	1	0	0	0	0	164	581	3,396	164	0	581
Colombia	Caribbean Coast / Colombia North	Low	1	154	0	0	0	0	0	476	0	154	0
	Caribbean Sea Coast												
	Magdalena / Cesar	Low	1	10,186	0	976	0	0	0	13,856	374	10,788	0
	Magdalena / Magdalena 1	Low	1	4,085	0	2,338	0	0	0	7,060	0	6,423	0
Democratic Republic of Congo	Congo / Lulaba 3	Low	2	8,902	0	0	0	0	2,937	46,684	5,721	3,182	2,937
England	England and Wales / Thames Delta	Medium - High	1	37	0	0	2	0	0	85	2	37	0
Germany	Ems - Weser / Weser Delta	High	1	8,445	0	0	5	0	90	9,017	8,449	0	90
Italy	Mediterranean Sea Islands / Mannu	Extremely High	1	0	0	0	2,000	0	87	3,471	0	2,000	87
	Mediterranean Sea Islands / Tirso	Extremely High	1	38	0	0	2	0	0	50	0	40	0
Kazakhstan	Ob / Irtys	Low	14	40,931	0	0	3,315	392	4,484	86,331	450	26,812	21,861
		High	1	0	0	0	0	0	3	10,306	0	0	3
	Syr Darya / Sarysu	Low - Medium	1	174	0	0	0	0	14	906	174	0	14

Country	River Basin (major / minor)	Baseline water stress level ²	# of sites	Discharge to surface water	Discharge to sea water / ocean	Discharge to ground-water	Discharge for offsite treatment or disposal	Water exported to a third party	Water entrained in output	Total water Output	Category 1 - Output	Category 2 - Output	Category 3 - Output
New Caledonia	South Pacific Islands / New Caledonia	Low	1	0	18,773	0	0	0	0	21,607	0	18,773	0
Norway	Scandinavia, North Coast / West Norway Coast	Low	1	0	24,999	0	21	0	0	26,392	0	9,109	15,911
Peru	Amazon / Apurimac	Medium - High	1	11,737	0	0	0	0	0	31,287	11,737	0	0
	Amazon / Mantaro	Low - Medium	9	85,016	0	0	0	22,465	25	123,378	29,943	65,744	11,819
	Peru, Pacific Coast / Huaura	Low	1	3,206	0	0	0	0	1,676	4,919	0	3,206	1,676
	Peru, Pacific Coast / Lima Coast	Low	1	185	0	0	0	0	4	608	0	185	4
Philippines	Philippines / Visayan Islands	Low	1	0	76,122	0	0	0	243	78,309	0	76,122	243
South Africa	Limpopo / Elefanties	High	13	130	0	0	6	3,125	2,522	25,116	287	807	4,689
	Limpopo / Krokodil	High	8	479	0	0	49	53	69	6,493	6	532	113
	South Africa, South Coast / Incomati	Low - Medium	1	0	0	0	0	0	59	1,604	0	0	59
	South Africa, West Coast / Groot Berg	Extremely High	1	14	407	0	0	0	0	981	421	0	0
Spain	Spain - Portugal, Atlantic Coast / Northern Spain Coast	Medium - High	4	0	50,846	0	1	0	318	53,169	49,009	1,837	319
Tanzania	Nile / Kagera	Low	1	0	0	1	0	0	0	1	0	0	0
United States of America	Atlantic Ocean Seaboard / Blackstone	Medium - High	1	0	0	0	0	0	0	0	0	0	0
	California / Coyote	Low	1	1	0	0	2	0	0	3	1	2	0
Zambia	Congo / Lake Mweru	Low	1	26,278	0	0	0	0	0	46,574	0	26,278	0
	Zambezi / Kafue 1	Medium - High	1	0	0	0	0	0	0	1	0	0	0
	Zambezi / Lufwanyama	Low	1	25,497	0	0	0	842	13	36,644	0	26,339	13

Water use, reuse, recycling, change in storage and efficiency of our sites by country, river basin and baseline water stress level (ML)¹

Country	River Basin (major / minor)	Baseline water stress level ²	# of sites	Water used in a task / process	Water recycled	Water reused	Change in water in Storage	Average of Reuse efficiency	Average of Recycling efficiency	Average of Reuse / recycling efficiency
Argentina	La Plata / San Francisco	Low	1	100	0	0	0	0%	0%	0%
	Salinas Grandes / Belen	Low - Medium	1	1,011	0	13,388	-30	93%	0%	93%
	South America, Colorado / San Juan	Medium - High	1	0	0	0	0	0%	0%	0%
Australia	Australia, East Coast / Burdekin	Low	2	4,350	0	846	1,478	15%	0%	15%
	Australia, East Coast / Fitzroy	Low	1	3,055	0	1,495	1,885	33%	0%	33%
		Low - Medium	1	6,353	0	7,311	-126	54%	0%	54%
		Medium - High	1	2,419	85	90	-2,407	3%	3%	7%
		High	1	1,191	13	0	174	0%	1%	1%
		Low - Medium	8	15,242	105	10,355	8,990	21%	0%	21%
	Australia, East Coast / Hunter	Low - Medium	8	15,242	105	10,355	8,990	21%	0%	21%
	Australia, East Coast / MacQuarie / Tuggerah Lakes	Low	1	1	0	0	-38	0%	0%	0%
	Australia, East Coast / Ross	Low - Medium	1	147	0	0	-7	0%	0%	0%
	Australia, Interior / Salt Lake	Arid and Low Water Use	1	11,860	0	1,156	-1	9%	0%	9%
	Australia, North Coast / Flinders	Low - Medium	1	4,150	0	2,634	24	39%	0%	39%
Australia, North Coast / Leichhardt	High	5	37,787	140	32,487	779	33%	3%	36%	
Australia, North Coast / McArthur	Low	1	3,362	0	452	482	12%	0%	12%	
Murray - Darling / Darling	Arid and Low Water Use	1	967	0	462	4	32%	0%	32%	
Bolivia	La Plata / Pilaya	High	2	1,651	642	672	111	16%	30%	46%
	La Puna Region / Lago de Poopa	Low	1	1,051	1,051	0	30	0%	50%	50%
Canada	Hudson Bay Coast / Bell	Low	1	4,470	0	0	0	0%	0%	0%
	Hudson Bay Coast / Central Mattagami	Low	1	6,449	14,543	274	21	1%	68%	70%
	Hudson Bay Coast / Rio de Puvirnitug	Medium - High	1	3,371	0	2,713	204	45%	0%	45%

Country	River Basin (major / minor)	Baseline water stress level ²	# of sites	Water used in a task / process	Water recycled	Water reused	Change in water in Storage	Average of Reuse efficiency	Average of Recycling efficiency	Average of Reuse / recycling efficiency
	St Lawrence / Montreal Island	Low	2	5,449	441	0	0	0%	4%	4%
	St Lawrence / Upper Ottawa / Kinojevis	Low	1	9,015	2,653	0	0	0%	23%	23%
	St Lawrence / Upper St Lawrence / Raisin	Low	1	59,193	0	602	37	1%	0%	1%
	St Lawrence / Vermilion	Low	1	8,796	8,530	0	0	0%	49%	49%
	St Lawrence / Wanapitei	Low	1	3,827	0	0	0	0%	0%	0%
Chad	Lake Chad / Efiar	Low	1	0	0	0	0	0%	0%	0%
Chile	North Chile, Pacific Coast / Caracoles	Arid and Low Water Use	1	5,752	177	6,439	-5	52%	1%	53%
	North Chile, Pacific Coast / Negra	Arid and Low Water Use	1	3,400	65	560	5	14%	2%	16%
Colombia	Caribbean Coast / Colombia North	Low	1	321	0	26	0	7%	0%	7%
	Caribbean Sea Coast									
	Magdalena / Cesar	Low	1	2,962	9	0	-3,965	0%	0%	0%
	Magdalena / Magdalena 1	Low	1	1,323	2	0	1,912	0%	0%	0%
Democratic Republic of Congo	Congo / Lulaba 3	Low	2	35,574	5,561	15,664	28	33%	11%	44%
England	England and Wales / Thames Delta	Medium - High	1	33	0	0	0	0%	0%	0%
Germany	Ems - Weser / Weser Delta	High	1	8,373	0	736	6	8%	0%	8%
Italy	Mediterranean Sea Islands / Mannu	Extremely High	1	2,889	713	0	6	0%	20%	20%
	Mediterranean Sea Islands / Tirso	Extremely High	1	18	0	0	1	0%	0%	0%
Kazakhstan	Ob / Irtys	Low	14	58,445	96,153	166,052	-6,517	15%	4%	18%
		High	1	9,034	0	16,882	-3,300	65%	0%	65%
	Syr Darya / Sarysu	Low - Medium	1	3,833	0	3,094	3,180	45%	0%	45%
New Caledonia	South Pacific Islands / New Caledonia	Low	1	21,558	493	0	0	0%	2%	2%
Norway	Scandinavia, North Coast / West Norway Coast	Low	1	26,392	0	770	0	3%	0%	3%

Country	River Basin (major / minor)	Baseline water stress level ²	# of sites	Water used in a task / process	Water recycled	Water reused	Change in water in Storage	Average of Reuse efficiency	Average of Recycling efficiency	Average of Reuse / recycling efficiency
Peru	Amazon / Apurimac	Medium - High	1	27,465	178	82,298	-7,127	75%	0%	75%
	Amazon / Mantaro	Low - Medium	9	15,395	3,407	2,150	0	6%	17%	23%
	Peru, Pacific Coast / Huaura	Low	1	286	0	2,261	3	89%	0%	89%
	Peru, Pacific Coast / Lima Coast	Low	1	392	1,305	1,105	0	39%	47%	86%
Philippines	Philippines / Visayan Islands	Low	1	78,305	0	0	0	0%	0%	0%
South Africa	Limpopo / Elefantas	High	13	18,091	181	6,995	976	22%	0%	23%
	Limpopo / Krokodil	High	8	4,047	240	3,612	-645	31%	2%	34%
	South Africa, South Coast / Incomati	Low - Medium	1	625	10	162	29	20%	1%	22%
	South Africa, West Coast / Groot Berg	Extremely High	1	854	0	0	0	0%	0%	0%
Spain	Spain - Portugal, Atlantic Coast / Northern Spain Coast	Medium - High	4	53,161	0	3,366	5	2%	0%	2%
Tanzania	Nile / Kagera	Low	1	1	0	0	0	0%	0%	0%
United States of America	Atlantic Ocean Seaboard / Blackstone	Medium - High	1	0	0	0	0	0%	0%	0%
	California / Coyote	Low	1	0	0	0	0	0%	0%	0%
Zambia	Congo / Lake Mweru	Low	1	0	0	0	0	0%	0%	0%
	Zambezi / Kafue 1	Medium - High	1	0	0	0	0	0%	0%	0%
	Zambezi / Lufwanyama	Low	1	0	0	0	0	0%	0%	0%

1 This table covers data from our industrial activities where we have operational control, excluding the following parts of the business as their water-related contribution is immaterial, or where we do not have operational control:

- Minor storage units (ie silos, warehouses, terminals, etc.) and non-coal port facilities
- Offices not associated with operations
- Joint Ventures where we have no operational control (eg Viterra, Cerrejón, Collahuasi, Antamina)
- Sites that were not in operation or did not report any water data in the reporting period.

2 Baseline water stress measures the ratio of total water withdrawals to available renewable water supplies. Water withdrawals include domestic, industrial, irrigation and livestock consumptive and non-consumptive uses. Available renewable water supplies include surface and groundwater supplies and considers the impact of upstream

consumptive water users and large dams on downstream water availability. Higher values indicate more competition among users (Source: Aqueduct 3.0: Updated decision-relevant Global water risk indicators, WRI, July 2019).

3 The majority of groundwater withdrawal is associated with the dewatering of our mines