

Appendix 9. Largest meteorological floods for global river basins larger than half a million square kilometres

A9.1 Largest meteorological floods for global river basins larger than half a million square kilometres (R: rainfall, S: snow melt, RS: combination).

River basin	Country	Hydrometric station	Latitude	Area. 10 ³ km ²	Peak discharge. Cumecs	Specific discharge. Cumecs/km ²	Flood type
Amazon	Brazil	Obidos	1.9S	4640	370 000	0.08	R
Nile	Egypt	Aswan	24.1N	1500	13 200	0.009	R
Congo	Zaire	Brazzaville	4.3S	3475	76 900	0.022	R
Mississippi	USA	Arkansas Ciry	33.6N	2928	70 000	0.024	R
Amur	Russia	Komsomolsk	50.6N	1730	38 900	0.022	R
Parana	Argentina	Corrientes	27.5S	1950	43 070	0.022	R
Yenisey	Russia	Yeniseysk	58.5N	1400	57 400	0.041	S
Ob	Russia	Salekhard	66.6N	2430	44 800	0.018	S
Lena	Russia	Kasur	70.7N	2430	189 000	0.078	S
Niger	Niger	Lokoja	7.8N	1080	27 140	0.025	R
Zambesi	Mozambique	Tete	16.2S	940	17 000	0.018	R
Yangtze	China	Yichang	30.7N	1010	110 000	0.109	R
Mackenzie	Canada	Norman Wells	65.3N	1570	30 300	0.019	S
Chari	Chad	N'Djamena	12.1N	600	5160	0.009	R
Volga	Russia	Volvograd	48.5N	1350	51 900	0.038	S
St Lawrence	Canada	La Salle	45.4N	960	14 870	0.015	S
Indus	Pakistan	Kotri	25.3N	945	33 280	0.035	RS
Syr darya	Kazakhstan	Tyumen-Aryk	44.1N	219	2730	0.012	RS
Orinoco	Venezuela	Pte Angostura	8.1N	836	98 120	0.117	R
Murray	Australia	Morgan	34.0S	1000	3940	0.004	R
Ganges	Bangladesh	Hardings Br	23.1N	950	74 060	0.078	RS
Euphrates	Iraq	Hit	34.0N	264	7366	0.028	RS
Orange	South Africa	Buchberg	29.0S	343	16 230	0.047	R
Huang he	China	Shanxian	34.8N	688	36 000	0.052	R
Yukon	USA	Pilot Station	61.9N	831	30 300	0.036	S
Senegal	Senegal	Bakel	14.9N	218	9340	0.043	R
Colorado	USA	Yuma	32.7N	629	7080	0.011	R
Rio grande	USA	Roma	26.4N	431	17 850	0.041	RS
Danube	Romania	Orsova	44.7N	575	15 900	0.028	S
Mekong	Cambodia	Kratie	12.5N	646	66 700	0.103	R
Tocantins	Brazil	Itupiranga	5.1S	728	38 780	0.053	R
Columbia	USA	The Dalles	45.6N	614	35 100	0.057	S
Darling	Australia	Menindee	32.4S	570	2840	0.005	R
Brahmaputra	Bangladesh	Bahadurabad	25.2N	636	81 000	0.127	RS
San Francisco	Brazil	Traipu	9.6S	623	15 890	0.026	R
Amu darya	Kazakhstan	Chatly	42.3N	450	6900	0.015	RS
Dneiper	Ukraine	Kiev	50.5N	328	23 100	0.070	S

Source: O'Connor and Costa (2004)